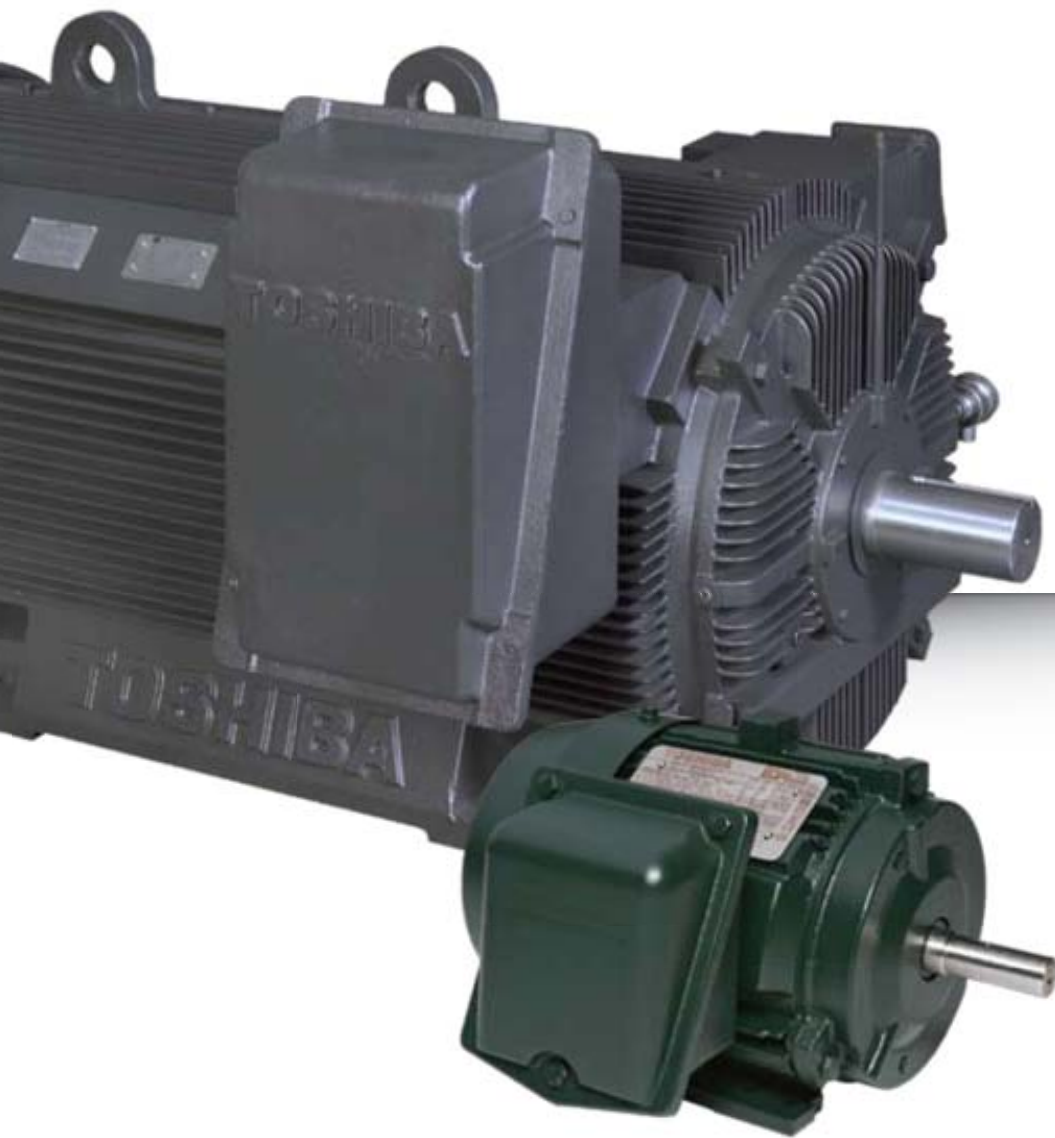


TOSHIBA

Leading Innovation >>>



2011 Motor Catalog

LOW & MEDIUM VOLTAGE



Notes

1	Motors are Not NAFTA Qualified
2	Motors Provided with Drive-End Roller Bearing as Standard
3	Motors are 1.0 Service Factor
4	Motors are Unidirectional CCW Rotation when Facing Non-Drive End of Motor
5	Motors are Unidirectional CW Rotation when Facing Non-Drive End of Motor
6	Motors are NEMA Design A
7	Totally Enclosed Non-Ventilated (TENV)
8	Ball Bearing Long Shaft as Standard
9	Motors Nameplated Dual Frequency 50/60 Hz
10	Motors will be Obsoleted Once Inventory is Depleted
11	"Dura-Bull TX™" Design
12	Copper Bar Rotor
13	Tophat WPI Design
14	Class F Rise by Resistance at 1.0SF
15	Tophat TEAAC Design
16	Motor has Non-NEMA "BA" Dimension

Power - AC Circuits

Efficiency = 746 x Output Horsepower / Input Watts

Three-Phase KW = (Volts x Amperes x Power Factor x 1.732) / 1000

Three-Phase Volt Amperes = Volt Amperes x 1.732

Three-Phase Power Factor = Input Watts / (Volts x Amperes x 1.732)

Three-Phase Efficiency = (746 x Horsepower) / (Volts x Amperes x Power Factor x 1.732)

Three-Phase Amperes = (746 x Horsepower) / (1.732 x Volts x Efficiency x Power Factor)

Single-Phase KW = (Volts x Amperes x Power Factor) / 1000

Single-Phase Amperes = (746 x Horsepower) / (Volts x Efficiency x Power Factor)

Single-Phase Efficiency = (746 x Horsepower) / (Volts x Amperes x Power Factor)

Single-Phase Power Factor = Input Watts / (Volts x Amperes)

Horsepower (Three-Phase) = (Volts x Amperes x 1.732 x Efficiency x Power Factor) / 746

Horsepower (Single-Phase) = (Volts x Amperes x Efficiency x Power Factor) / 746

For Pumps

Horsepower = (GPM x Head (ft.) x Specific Gravity) / (3960 x Efficiency of Pump)

For Fans and Blowers

Horsepower = (CFM x Pressure (lbs./sq.ft.)) / (33,000 x Efficiency)

Motor Application Equations

Torque (lb. ft.) = (Horsepower x 5250) / RPM

Horsepower = (Torque (lb.ft.) x RPM) / 5250

KW = HP x 0.746

Time for Motor to Reach Operating Speed (Seconds)

Seconds = (WK² x Speed Change) / (308 x Average Accelerating Torque)

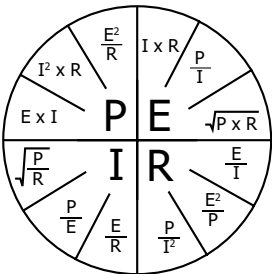
WK² = Inertia of Rotor + Inertia of Load (lb.ft.²)

Average Accelerating Torque = [(FLT + BDT)/2] + BDT + LRT / 3

Load WK² (@ Motor Shaft) = (WK² (Load) x (Load RPM)²) / (Motor RPM)²

Shaft Stress (lbs. per in.²) = (HP x 321,000) / (RPM x (Shaft Diameter)³)

Ohm's Law





Our Company

Toshiba International Corporation (TIC) is a Toshiba America Inc. (TAI) Group Company, a wholly owned subsidiary of Toshiba Corporation. TIC's Industrial Division is headquartered in Houston, Texas and employs approximately 1,000 people. With an extensive product offering ranging from electric motors and adjustable speed drives to LED lighting and super-charge ion batteries, TIC provides application solutions to a wide range of industries. Many of these products are designed, built, and tested in our over 1,000,000 square foot state-of-the-art manufacturing facility in Houston, Texas.

TIC is committed to providing the utmost in quality products and services and strives to uphold Toshiba's worldwide commitment to innovative technology, superior quality, and unmatched reliability. For more information please visit our website at www.toshiba.com/ind.



Our Motors

TIC produces a wide range of general and definite purpose low voltage motors for countless industries and applications. Our low voltage motors products range from 1/2 to 800 HP and 230 to 575 V and our medium voltage motor products range from 100 to 50,000 HP and 2300 to 13,800 V.

Our motor products are robustly built to deliver superior performance in virtually any application. We set a new standard for extreme duty, allowing our products to out-tough even the toughest industries. Even if your motor project requires a customized motor product or integrated system, TIC can deliver a solution to not only meet but exceed your expectations.

This catalog contains all our standard motor offerings. For information on custom projects, please contact the factory directly at (800) 231-1412.



Our Motor Manufacturing

TIC began manufacturing motors in Houston, Texas in 1980 and since then has developed a proud tradition of producing some of the most reliable, robust motors in the market. Today we produce the widest range available of three-phase, industrial grade, low and medium voltage electric motors in our 348,000 sq. ft. motor plant. In addition, our research and development, design, engineering, production and manufacturing, and after-market service and support are all commandeered under one single roof.

Our motors are built using only the highest quality domestic and foreign parts allowing us to in turn deliver the highest quality motors that exceed Toshiba's stringent testing standards as well as domestic and international performance standards.

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All content in this catalog subject to change without notice.

General Purpose CT Series

Open Drip Proof Motors



Toshiba's general purpose CT, open drip proof motors are designed with the cost-conscious consumer in mind and is recommended for use in indoor applications. This product line encompasses Toshiba's standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba, all at a very competitive price. Our CT open drip proof motors are available in EPACT Efficiency, EPACT Efficiency Rolled Steel, and Premium Efficiency options.

Standard Features:

- Open Drip Proof
- EPACT & Premium Efficiency
- 230/460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Class F Insulation
- Inverter Duty; Exceeds Insulation Requirements of NEMA MG1 Part 30
- Stamped Steel Gasketed Conduit Box
- Cast Iron or Rolled Steel Frame
- Cast Iron Brackets
- Ball Bearings on all 143T through 326T
- Roller Bearings on all 364T through 449T, 4 & 6-Pole
- Shaft Slinger on the Drive End
- Lithium Base Grease
- 304 Stainless Steel Nameplate

2 Year
Warranty

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- General Applications

Warranty:

- From Date of Shipment: 24 Months

Product is available until inventory is depleted.



Open Drip Proof

EPACT Efficiency



The general purpose CT, open drip proof, EPACT Efficiency motor series is Toshiba’s most basic general purpose motor product offering. It encompasses Toshiba’s standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba, at a very competitive price. This motor series meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower:	1 to 200 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460, 460, or 575 V
Enclosure:	Open Drip Proof
Frame Size:	143T through 447T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.12 Inches/Second or Less
Insulation:	Class F, Meeting NEMA MG1 Part 30 (Inverter Duty)

Product is available until inventory is depleted.

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143T	46	0014DPSA21A-P	2.8/1.4	82.5	1, 10	MCTDPE	\$346
1	1800	575	143T	46	0014DPSC21A-P	1.1	82.5	1, 10	MCTDPE	\$346
1	1200	230/460	145T	55	0016DPSA21A-P	3.8/1.9	80.0	1, 10	MCTDPE	\$455
1	1200	575	145T	55	0016DPSC21A-P	1.5	80.0	1, 10	MCTDPE	\$455
1.5	3600	230/460	143T	51	Y152DPSA21A-P	4.2/2.1	82.5	1, 10	MCTDPE	\$382
1.5	3600	575	143T	51	Y152DPSC21A-P	1.7	82.5	1, 10	MCTDPE	\$382
1.5	1800	230/460	145T	51	Y154DPSA21A-P	4.2/2.1	84.0	1, 10	MCTDPE	\$382
1.5	1800	575	145T	51	Y154DPSC21A-P	1.7	84.0	1, 10	MCTDPE	\$382
1.5	1200	230/460	182T	84	Y156DPSA21A-P	5.2/2.6	84.0	1, 10	MCTDPE	\$500
1.5	1200	575	182T	84	Y156DPSC21A-P	2.1	84.0	1, 10	MCTDPE	\$500
2	3600	230/460	145T	51	0022DPSA21A-P	5.2/2.7	84.0	1, 10	MCTDPE	\$446
2	3600	575	145T	51	0022DPSC21A-P	2.2	84.0	1, 10	MCTDPE	\$446
2	1800	230/460	145T	53	0024DPSA21A-P	5.6/2.8	84.0	1, 10	MCTDPE	\$418
2	1800	575	145T	53	0024DPSC21A-P	2.3	84.0	1, 10	MCTDPE	\$418
2	1200	230/460	184T	95	0026DPSA21A-P	7/3.5	85.5	1, 10	MCTDPE	\$519
2	1200	575	184T	95	0026DPSC21A-P	2.8	85.5	1, 10	MCTDPE	\$519
3	3600	230/460	145T	55	0032DPSA21A-P	8.0/4	84.0	1, 10	MCTDPE	\$500
3	3600	575	145T	55	0032DPSC21A-P	3.2	84.0	1, 10	MCTDPE	\$500
3	1800	230/460	182T	84	0034DPSA21A-P	8.2/4.1	86.5	1, 10	MCTDPE	\$455
3	1800	575	182T	84	0034DPSC21A-P	3.3	86.5	1, 10	MCTDPE	\$455
3	1200	230/460	213T	155	0036DPSA21A-P	9/4.5	86.5	1, 10	MCTDPE	\$720
3	1200	575	213T	155	0036DPSC21A-P	3.6	86.5	1, 10	MCTDPE	\$720
5	3600	230/460	182T	77	0052DPSA21A-P	12.6/6.3	85.5	1, 10	MCTDPE	\$593
5	3600	575	182T	77	0052DPSC21A-P	5.1	85.5	1, 10	MCTDPE	\$593
5	1800	230/460	184T	99	0054DPSA21A-P	13.4/6.7	87.5	1, 10	MCTDPE	\$538
5	1800	575	184T	99	0054DPSC21A-P	5.4	87.5	1, 10	MCTDPE	\$538
5	1200	230/460	215T	184	0056DPSA21A-P	14.2/7.1	87.5	1, 10	MCTDPE	\$984
5	1200	575	215T	184	0056DPSC21A-P	5.7	87.5	1, 10	MCTDPE	\$984

Open Drip Proof EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	230/460	184T	101	Y752DPSA21A-P	18/9	87.5	1, 10	MCTDPE	\$737
7.5	3600	575	184T	101	Y752DPSC21A-P	7.2	87.5	1, 10	MCTDPE	\$737
7.5	1800	230/460	213T	150	Y754DPSA21A-P	19/9.5	88.5	1, 10	MCTDPE	\$765
7.5	1800	575	213T	150	Y754DPSC21A-P	7.6	88.5	1, 10	MCTDPE	\$765
7.5	1200	230/460	254T	251	Y756DPSA21A-P	21/10.5	88.5	1, 10	MCTDPE	\$1,230
7.5	1200	575	254T	251	Y756DPSC21A-P	8.4	88.5	1, 10	MCTDPE	\$1,230
10	3600	230/460	213T	165	0102DPSA21A-P	25/12.5	88.5	1, 10	MCTDPE	\$937
10	3600	575	213T	165	0102DPSC21A-P	10	88.5	1, 10	MCTDPE	\$937
10	1800	230/460	215T	174	0104DPSA21A-P	26/13	89.5	1, 10	MCTDPE	\$920
10	1800	575	215T	174	0104DPSC21A-P	10.4	89.5	1, 10	MCTDPE	\$920
10	1200	230/460	256T	295	0106DPSA21A-P	27/13.5	90.2	1, 10	MCTDPE	\$1,430
10	1200	575	256T	295	0106DPSC21A-P	10.8	90.2	1, 10	MCTDPE	\$1,430
15	3600	230/460	215T	198	0152DPSA21A-P	37/18.5	89.5	1, 10	MCTDPE	\$1,284
15	3600	575	215T	198	0152DPSC21A-P	14.8	89.5	1, 10	MCTDPE	\$1,284
15	1800	230/460	254T	276	0154DPSA21A-P	38/19	91.0	1, 10	MCTDPE	\$1,260
15	1800	575	254T	276	0154DPSC21A-P	15.2	91.0	1, 10	MCTDPE	\$1,260
15	1200	230/460	284T	379	0156DPSA21A-P	40.6/20.3	90.2	1, 10	MCTDPE	\$2,012
15	1200	575	284T	379	0156DPSC21A-P	16.3	90.2	1, 10	MCTDPE	\$2,012
20	3600	230/460	254T	276	0202DPSA21A-P	48/24	90.2	1, 10	MCTDPE	\$1,530
20	3600	575	254T	276	0202DPSC21A-P	19.2	90.2	1, 10	MCTDPE	\$1,530
20	1800	230/460	256T	304	0204DPSA21A-P	50/25	91.0	1, 10	MCTDPE	\$1,549
20	1800	575	256T	304	0204DPSC21A-P	20	91.0	1, 10	MCTDPE	\$1,549
20	1200	230/460	286T	406	0206DPSA21A-P	52/26	91.0	1, 10	MCTDPE	\$2,514
20	1200	575	286T	406	0206DPSC21A-P	20.8	91.0	1, 10	MCTDPE	\$2,514
25	3600	230/460	256T	333	0252DPSA21A-P	60/30	91.0	1, 10	MCTDPE	\$1,849
25	3600	575	256T	335	0252DPSC21A-P	24	91.0	1, 10	MCTDPE	\$1,849
25	1800	230/460	284T	366	0254DPSA21A-P	62/31	91.7	1, 10	MCTDPE	\$1,813
25	1800	230/460	284TS	366	0254DPSA21B-P	62/31	91.7	1, 10	MCTDPE	\$1,813
25	1800	575	284T	366	0254DPSC21A-P	24.8	91.7	1, 10	MCTDPE	\$1,813
25	1200	230/460	324T	514	0256DPSA21A-P	62/31	91.7	1, 10	MCTDPE	\$2,904
25	1200	575	324T	514	0256DPSC21A-P	24.8	91.7	1, 10	MCTDPE	\$2,904
30	3600	230/460	284TS	392	0302DPSA21B-P	72/36	91.0	1, 10	MCTDPE	\$2,250
30	3600	575	284TS	392	0302DPSC21B-P	28.8	91.0	1, 10	MCTDPE	\$2,250
30	1800	230/460	286T	423	0304DPSA21A-P	73/36.5	92.4	1, 10	MCTDPE	\$2,113
30	1800	230/460	286TS	423	0304DPSA21B-P	73/36.5	92.4	1, 10	MCTDPE	\$2,113
30	1800	575	286T	423	0304DPSC21A-P	29.2	92.4	1, 10	MCTDPE	\$2,113
30	1200	230/460	326T	597	0306DPSA21A-P	74/37	92.4	1, 10	MCTDPE	\$3,188
30	1200	575	326T	597	0306DPSC21A-P	29.6	92.4	1, 10	MCTDPE	\$3,188
40	3600	230/460	286TS	439	0402DPSA21B-P	96/48	91.7	1, 10	MCTDPE	\$2,841
40	3600	575	286TS	439	0402DPSC21B-P	38.4	91.7	1, 10	MCTDPE	\$2,841
40	1800	230/460	324T	575	0404DPSA21A-P	98/49	93.0	1, 10	MCTDPE	\$2,706
40	1800	230/460	324TS	575	0404DPSA21B-P	98/49	93.0	1, 10	MCTDPE	\$2,706
40	1800	575	324T	575	0404DPSC21A-P	39.2	93.0	1, 10	MCTDPE	\$2,706
40	1200	230/460	364T	772	0406DPSA21A-P	100/50	93.0	1, 10	MCTDPE	\$4,463
40	1200	575	364T	772	0406DPSC21A-P	40	93.0	1, 10	MCTDPE	\$4,463
50	3600	230/460	324TS	602	0502DPSA21B-P	118/59	92.4	1, 10	MCTDPE	\$3,443
50	3600	575	324TS	602	0502DPSC21B-P	47.2	92.4	1, 10	MCTDPE	\$3,443

Open Drip Proof
EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
50	1800	230/460	326T	659	0504DPSA21A-P	116/58	93.0	1, 10	MCTDPE	\$3,105
50	1800	230/460	326TS	659	0504DPSA21B-P	116/58	93.0	1, 10	MCTDPE	\$3,105
50	1800	575	326T	659	0504DPSC21A-P	47	93.0	1, 10	MCTDPE	\$3,105
50	1200	230/460	365T	851	0506DPSA21A-P	124/62	93.0	1, 10	MCTDPE	\$5,601
50	1200	575	365T	851	0506DPSC21A-P	49.6	93.0	1, 10	MCTDPE	\$5,601
60	3600	230/460	326TS	690	0602DPSA21B-P	140/70	93.0	1, 10	MCTDPE	\$3,806
60	3600	575	326TS	690	0602DPSC21B-P	56	93.0	1, 10	MCTDPE	\$3,806
60	1800	230/460	364T	772	0604DPSA21A-P	144/72	93.6	1, 10	MCTDPE	\$3,617
60	1800	230/460	364TS	772	0604DPSA21B-P	144/72	93.6	1, 10	MCTDPE	\$3,617
60	1800	575	364T	772	0604DPSC21A-P	57.6	93.6	1, 10	MCTDPE	\$3,617
60	1200	230/460	404T	1032	0606DPSA21A-P	146/73	93.6	1, 10	MCTDPE	\$6,079
60	1200	575	404T	1032	0606DPSC21A-P	58	93.6	1, 10	MCTDPE	\$6,079
75	3600	230/460	364TS	772	0752DPSA21B-P	174/87	93.0	1, 10	MCTDPE	\$5,001
75	3600	575	364TS	772	0752DPSC21B-P	69.6	93.0	1, 10	MCTDPE	\$5,001
75	1800	230/460	365T	851	0754DPSA21A-P	178/89	94.1	1, 10	MCTDPE	\$4,587
75	1800	230/460	365TS	851	0754DPSA21B-P	178/89	94.1	1, 10	MCTDPE	\$4,587
75	1800	575	365T	851	0754DPSC21A-P	71.2	94.1	1, 10	MCTDPE	\$4,587
75	1200	230/460	405T	1139	0756DPSA21A-P	182/91	93.6	1, 10	MCTDPE	\$7,137
75	1200	575	405T	1139	0756DPSC21A-P	73	93.6	1, 10	MCTDPE	\$7,137
100	3600	230/460	365TS	747	1002DPSA21B-P	230/115	93.0	1, 10	MCTDPE	\$6,466
100	3600	575	365TS	747	1002DPSC21B-P	92	93.0	1, 10	MCTDPE	\$6,466
100	1800	230/460	404T	1100	1004DPSA21A-P	234/117	94.1	1, 10	MCTDPE	\$6,008
100	1800	575	404T	1100	1004DPSC21A-P	94	94.1	1, 10	MCTDPE	\$6,008
100	1200	230/460	444T	1406	1006DPSA21A-P	235/117.5	94.1	1, 2, 10	MCTDPE	\$8,772
100	1200	575	444T	1406	1006DPSC21A-P	94	94.1	1, 2, 10	MCTDPE	\$8,772
125	3600	230/460	404TS	1114	1252DPSA21B-P	288/144	93.6	1, 10	MCTDPE	\$8,206
125	3600	575	404TS	1114	1252DPSC21B-P	115	93.6	1, 10	MCTDPE	\$8,206
125	1800	230/460	405T	1209	1254DPSA21A-P	289/144.5	94.5	1, 10	MCTDPE	\$6,756
125	1800	575	405T	1209	1254DPSC21A-P	116	94.5	1, 10	MCTDPE	\$6,756
125	1200	230/460	445T	1507	1256DPSA21A-P	301/150.5	94.1	1, 2, 10	MCTDPE	\$10,267
125	1200	575	445T	1507	1256DPSC21A-P	120	94.1	1, 2, 10	MCTDPE	\$10,267
150	3600	230/460	405TS	1213	1502DPSA21B-P	343/171.5	93.6	1, 10	MCTDPE	\$10,646
150	3600	575	405TS	1213	1502DPSC21B-P	137	93.6	1, 10	MCTDPE	\$10,646
150	1800	230/460	444T	1355	1504DPSA21A-P	345/172.5	95.0	1, 2, 10	MCTDPE	\$9,796
150	1800	575	444T	1355	1504DPSC21A-P	138	95.0	1, 2, 10	MCTDPE	\$9,796
150	1200	460	445T	1617	1506DPSB21A-P	179.5	94.5	1, 2, 10	MCTDPE	\$11,691
150	1200	575	445T	1617	1506DPSC21A-P	144	94.5	1, 2, 10	MCTDPE	\$11,691
200	3600	460	444TS	1520	2002DPSB21B-P	226	94.5	1, 10	MCTDPE	\$13,930
200	3600	575	444TS	1520	2002DPSC21B-P	180	94.5	1, 10	MCTDPE	\$13,930
200	1800	460	445T	1597	2004DPSB21A-P	229	95.0	1, 2, 10	MCTDPE	\$11,677
200	1800	575	445T	1597	2004DPSC21A-P	183	95.0	1, 2, 10	MCTDPE	\$11,677
200	1200	460	447T	2010	2006DPSB21A-P	239	94.5	1, 2, 10	MCTDPE	\$15,888
200	1200	575	447T	2010	2006DPSC21A-P	191	94.5	1, 2, 10	MCTDPE	\$15,888

The weights listed above are estimated.
Please contact Toshiba for information on product availability.

Open Drip Proof Rolled Steel EPACT Efficiency



The general purpose CT, open drip proof, EPACT efficiency, Rolled Steel motor series is created as a solution for customers looking for a less costly product and more lightweight design than the typical CT EPACT motor. These motors offer similar features and performance as the CT EPACT, but at a lower price. The Rolled Steel motor series is light in weight, but not light performance, and meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower:	1 to 30 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Open Drip Proof
Frame Size:	143T through 286T
Construction:	Rolled Steel
Vibration (Unfiltered):	0.15 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 30 (Inverter Duty)

Product is available until inventory is depleted.

HP	RPM	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143T	37	0014DPNA21A-P	3.2/1.6	82.5	1, 10	MCTDPF	\$326
1	1800	575	143T	37	0014DPNC21A-P	1.28	82.5	1, 10	MCTDPF	\$326
1	1200	230/460	145T		0016DPNA21A-P	3.4/1.7	80.0	1, 10	MCTDPF	\$427
1	1200	575	145T		0016DPNC21A-P	1.52	80.0	1, 10	MCTDPF	\$427
1.5	3600	230/460	143T	36	Y152DPNA21A-P	4.2/2.1	82.5	1, 10	MCTDPF	\$360
1.5	3600	575	143T	36	Y152DPNC21A-P	1.68	82.5	1, 10	MCTDPF	\$360
1.5	1800	230/460	145T		Y154DPNA21A-P	5.0/2.5	84.0	1, 10	MCTDPF	\$360
1.5	1800	575	145T		Y154DPNC21A-P	2	84.0	1, 10	MCTDPF	\$360
1.5	1200	230/460	182T		Y156DPNA21A-P	5.2/2.6	84.0	1, 10	MCTDPF	\$470
1.5	1200	575	182T		Y156DPNC21A-P	2.1	84.0	1, 10	MCTDPF	\$470
2	3600	230/460	145T	42	0022DPNA21A-P	5.4/2.7	84.0	1, 10	MCTDPF	\$420
2	3600	575	145T	42	0022DPNC21A-P	2.16	84.0	1, 10	MCTDPF	\$420
2	1800	230/460	145T	40	0024DPNA21A-P	6.4/3.2	84.0	1, 10	MCTDPF	\$393
2	1800	575	145T	40	0024DPNC21A-P	2.56	84.0	1, 10	MCTDPF	\$393
2	1200	230/460	184T		0026DPNA21A-P	7.0/3.5	85.5	1, 10	MCTDPF	\$487
2	1200	575	184T		0026DPNC21A-P	2.8	85.5	1, 10	MCTDPF	\$487
3	3600	230/460	145T	46	0032DPNA21A-P	7.4/3.7	84.0	1, 10	MCTDPF	\$470
3	3600	575	145T	46	0032DPNC21A-P	2.96	84.0	1, 10	MCTDPF	\$470
3	1800	230/460	182T	42	0034DPNA21A-P	8.4/4.2	86.5	1, 10	MCTDPF	\$427
3	1800	575	182T	42	0034DPNC21A-P	3.36	86.5	1, 10	MCTDPF	\$427
3	1200	230/460	213T	112	0036DPNA21A-P	9.0/4.5	86.5	1, 10	MCTDPF	\$677
3	1200	575	213T	112	0036DPNC21A-P	3.36	86.5	1, 10	MCTDPF	\$677
5	3600	230/460	182T		0052DPNA21A-P	12.4/6.2	85.5	1, 10	MCTDPF	\$559
5	3600	575	182T		0052DPNC21A-P	4.96	85.5	1, 10	MCTDPF	\$559
5	1800	230/460	184T	72	0054DPNA21A-P	13.2/6.6	87.5	1, 10	MCTDPF	\$506
5	1800	575	184T	72	0054DPNC21A-P	5.28	87.5	1, 10	MCTDPF	\$506
5	1200	230/460	215T	136	0056DPNA21A-P	14.2/7.1	87.5	1, 10	MCTDPF	\$926
5	1200	575	215T	136	0056DPNC21A-P	5.44	87.5	1, 10	MCTDPF	\$926

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Open Drip Proof
Rolled Steel
EPACT Efficiency



HP	RPM	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	230/460	184T	78	Y752DPNA21A-P	18/9	87.5	1, 10	MCTDPF	\$692
7.5	3600	575	184T	78	Y752DPNC21A-P	7.2	87.5	1, 10	MCTDPF	\$692
7.5	1800	230/460	213T	108	Y754DPNA21A-P	19.4/9.7	88.5	1, 10	MCTDPF	\$720
7.5	1800	575	213T	108	Y754DPNC21A-P	7.76	88.5	1, 10	MCTDPF	\$720
7.5	1200	230/460	254T		Y756DPNA21A-P	22/11	88.5	1, 10	MCTDPF	\$1,157
7.5	1200	575	254T		Y756DPNC21A-P	8.8	88.5	1, 10	MCTDPF	\$1,157
10	3600	230/460	213T	132	0102DPNA21A-P	24.8/12.4	88.5	1, 10	MCTDPF	\$881
10	3600	575	213T	132	0102DPNC21A-P	9.92	88.5	1, 10	MCTDPF	\$881
10	1800	230/460	215T	134	0104DPNA21A-P	16/13	89.5	1, 10	MCTDPF	\$866
10	1800	575	215T	134	0104DPNC21A-P	10.4	89.5	1, 10	MCTDPF	\$866
10	1200	230/460	256T		0106DPNA21A-P	28/14	90.2	1, 10	MCTDPF	\$1,344
10	1200	575	256T		0106DPNC21A-P	11.2	90.2	1, 10	MCTDPF	\$1,344
15	3600	230/460	215T	152	0152DPNA21A-P	36.4/18.2	89.5	1, 10	MCTDPF	\$1,207
15	3600	575	215T	152	0152DPNC21A-P	14.2	89.5	1, 10	MCTDPF	\$1,207
15	1800	230/460	254T	207	0154DPNA21A-P	37/18.5	91.0	1, 10	MCTDPF	\$1,185
15	1800	575	254T	207	0154DPNC21A-P	14.8	91.0	1, 10	MCTDPF	\$1,185
15	1200	230/460	284T		0156DPNA21A-P	40/20	90.2	1, 10	MCTDPF	\$1,892
15	1200	575	284T		0156DPNC21A-P	16	90.2	1, 10	MCTDPF	\$1,892
20	3600	230/460	254T	220	0202DPNA21A-P	48/24	90.2	1, 10	MCTDPF	\$1,438
20	3600	575	254T	220	0202DPNC21A-P	19.2	90.2	1, 10	MCTDPF	\$1,438
20	1800	230/460	256T	219	0204DPNA21A-P	50/25	91.0	1, 10	MCTDPF	\$1,455
20	1800	575	256T	219	0204DPNC21A-P	20	91.0	1, 10	MCTDPF	\$1,455
20	1200	230/460	286T		0206DPNA21A-P	53/26.5	91.0	1, 10	MCTDPF	\$2,364
20	1200	575	286T		0206DPNC21A-P	21	91.0	1, 10	MCTDPF	\$2,364
25	3600	230/460	256T		0252DPNA21A-P	58/29	91.0	1, 10	MCTDPF	\$1,738
25	3600	575	256T		0252DPNC21A-P	23.2	91.0	1, 10	MCTDPF	\$1,738
25	1800	230/460	284T		0254DPNA21A-P	60/30	91.7	1, 10	MCTDPF	\$1,704
25	1800	575	284T		0254DPNC21A-P	24	91.7	1, 10	MCTDPF	\$1,704
30	3600	230/460	284TS		0302DPNA21B-P	72/36	91.0	1, 10	MCTDPF	\$2,115
30	3600	575	284TS		0302DPNC21B-P	29	91.0	1, 10	MCTDPF	\$2,115
30	1800	230/460	286T	309	0304DPNA21A-P	72/36	92.4	1, 10	MCTDPF	\$1,986
30	1800	575	286T	309	0304DPNC21A-P	29	92.4	1, 10	MCTDPF	\$1,986

Please contact Toshiba for information on product availability.

The weights listed above are estimated.

Open Drip Proof Premium Efficiency



The general purpose CT, open drip proof, Premium Efficiency motor series is the general purpose motor product offering that takes energy efficiency in our basic product to the next level. The Premium CT motor line encompasses popular motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba, all at a competitive price. The Premium CT motor series also exceeds the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.

Product Scope

Horsepower:	1 to 75 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Open Drip Proof
Frame Size:	143T through 365T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.12 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 30 (Inverter Duty)

Product is available until inventory is depleted.

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143T	41	0014DPSA31A-P	3/1.5	84.5	1, 10	MCTDPP	\$450
1	1800	575	143T	41	0014DPSC31A-P			1, 10	MCTDPP	\$450
1	1200	230/460	145T	50	0016DPSA31A-P	3.8/1.9	82.5	1, 10	MCTDPP	\$607
1	1200	575	145T	50	0016DPSC31A-P			1, 10	MCTDPP	\$607
1.5	3600	230/460	143T	41	Y152DPSA31A-P	4.2/2.1	84.0	1, 10	MCTDPP	\$515
1.5	3600	575	143T	41	Y152DPSC31A-P			1, 10	MCTDPP	\$515
1.5	1800	230/460	145T	50	Y154DPSA31A-P	4.4/2.2	86.5	1, 10	MCTDPP	\$502
1.5	1800	575	145T	50	Y154DPSC31A-P			1, 10	MCTDPP	\$502
1.5	1200	230/460	182T	72	Y156DPSA31A-P	5.2/2.6	86.5	1, 10	MCTDPP	\$652
1.5	1200	575	182T	72	Y156DPSC31A-P			1, 10	MCTDPP	\$652
2	3600	230/460	145T	50	0022DPSA31A-P	5.4/2.7	85.5	1, 10	MCTDPP	\$590
2	3600	575	145T	50	0022DPSC31A-P			1, 10	MCTDPP	\$590
2	1800	230/460	145T	50	0024DPSA31A-P	5.4/2.7	85.5	1, 10	MCTDPP	\$541
2	1800	575	145T	50	0024DPSC31A-P			1, 10	MCTDPP	\$541
2	1200	230/460	184T	91	0026DPSA31A-P	6.8/3.4	86.5	1, 10	MCTDPP	\$778
2	1200	575	184T	91	0026DPSC31A-P			1, 10	MCTDPP	\$778
3	3600	230/460	145T	50	0032DPSA31A-P	7.8/3.9	85.5	1, 10	MCTDPP	\$678
3	3600	575	145T	50	0032DPSC31A-P			1, 10	MCTDPP	\$678
3	1800	230/460	182T	72	0034DPSA31A-P	8.0/4.0	89.5	1, 10	MCTDPP	\$568
3	1800	575	182T	72	0034DPSC31A-P			1, 10	MCTDPP	\$568
3	1200	230/460	213T	128	0036DPSA31A-P	9.0/4.5	87.5	1, 10	MCTDPP	\$947
3	1200	575	213T	128	0036DPSC31A-P			1, 10	MCTDPP	\$947
5	3600	230/460	182T	72	0052DPSA31A-P	11.6/5.8	86.5	1, 10	MCTDPP	\$802
5	3600	575	182T	72	0052DPSC31A-P			1, 10	MCTDPP	\$802
5	1800	230/460	184T	91	0054DPSA31A-P	13.2/6.6	88.5	1, 10	MCTDPP	\$731
5	1800	575	184T	91	0054DPSC31A-P			1, 10	MCTDPP	\$731
5	1200	230/460	215T	157	0056DPSA31A-P	14.4/7.2	88.5	1, 10	MCTDPP	\$1,307
5	1200	575	215T	157	0056DPSC31A-P			1, 10	MCTDPP	\$1,307

Open Drip Proof

Premium Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	230/460	184T	91	Y752DPSA31A-P	18.0/9.0	88.5	1, 10	MCTDPP	\$1,106
7.5	3600	575	184T	91	Y752DPSC31A-P			1, 10	MCTDPP	\$1,106
7.5	1800	230/460	213T	128	Y754DPSA31A-P	18.8/9.4	90.2	1, 10	MCTDPP	\$1,065
7.5	1800	575	213T	128	Y754DPSC31A-P			1, 10	MCTDPP	\$1,065
7.5	1200	230/460	254T	260	Y756DPSA31A-P	20.4/10.2	90.2	1, 10	MCTDPP	\$1,699
7.5	1200	575	254T	260	Y756DPSC31A-P			1, 10	MCTDPP	\$1,699
10	3600	230/460	213T	128	0102DPSA31A-P	24.8/12.4	89.5	1, 10	MCTDPP	\$1,312
10	3600	575	213T	128	0102DPSC31A-P			1, 10	MCTDPP	\$1,312
10	1800	230/460	215T	157	0104DPSA31A-P	24.4/12.2	90.2	1, 10	MCTDPP	\$1,262
10	1800	575	215T	157	0104DPSC31A-P			1, 10	MCTDPP	\$1,262
10	1200	230/460	256T	297	0106DPSA31A-P	26.6/13.3	91.7	1, 10	MCTDPP	\$2,012
10	1200	575	256T	297	0106DPSC31A-P			1, 10	MCTDPP	\$2,012
15	3600	230/460	215T	157	0152DPSA31A-P	36.8/18.4	90.2	1, 10	MCTDPP	\$1,730
15	3600	575	215T	157	0152DPSC31A-P			1, 10	MCTDPP	\$1,730
15	1800	230/460	254T	230	0154DPSA31A-P	38.2/19.1	93.0	1, 10	MCTDPP	\$1,685
15	1800	575	254T	230	0154DPSC31A-P			1, 10	MCTDPP	\$1,685
15	1200	230/460	284T	394	0156DPSA31A-P	40/20	91.7	1, 10	MCTDPP	\$2,586
15	1200	575	284T	394	0156DPSC31A-P			1, 10	MCTDPP	\$2,586
20	3600	230/460	254T	260	0202DPSA31A-P	47.2/23.6	91.0	1, 10	MCTDPP	\$2,109
20	3600	575	254T	260	0202DPSC31A-P			1, 10	MCTDPP	\$2,109
20	1800	230/460	256T	310	0204DPSA31A-P	50/25	93.0	1, 10	MCTDPP	\$2,167
20	1800	575	256T	310	0204DPSC31A-P			1, 10	MCTDPP	\$2,167
20	1200	230/460	286T	350	0206DPSA31A-P	51.6/25.8	92.4	1, 10	MCTDPP	\$3,293
20	1200	575	286T	350	0206DPSC31A-P			1, 10	MCTDPP	\$3,293
25	3600	230/460	256T	297	0252DPSA31A-P	58/29	91.0	1, 10	MCTDPP	\$2,327
25	3600	575	256T	297	0252DPSC31A-P			1, 10	MCTDPP	\$2,327
25	1800	230/460	284T	374	0254DPSA31A-P	64/32	93.0	1, 10	MCTDPP	\$2,276
25	1800	575	284T	374	0254DPSC31A-P			1, 10	MCTDPP	\$2,276
25	1200	230/460	324T	580	0256DPSA31A-P	67/33.5	93.0	1, 10	MCTDPP	\$3,216
25	1200	575	324T	580	0256DPSC31A-P			1, 10	MCTDPP	\$3,216
30	3600	230/460	284TS	420	0302DPSA31B-P	70.8/35.4	91.7	1, 10	MCTDPP	\$2,786
30	3600	575	284TS	420	0302DPSC31B-P			1, 10	MCTDPP	\$2,786
30	1800	230/460	286T	350	0304DPSA31A-P	72.4/36.2	94.1	1, 10	MCTDPP	\$2,693
30	1800	575	286T	350	0304DPSC31A-P			1, 10	MCTDPP	\$2,693
30	1200	230/460	326T	480	0306DPSA31A-P	80/40	93.6	1, 10	MCTDPP	\$3,675
30	1200	575	326T	480	0306DPSC31A-P			1, 10	MCTDPP	\$3,675
40	3600	230/460	286TS	350	0402DPSA31B-P	93/46.5	92.4	1, 10	MCTDPP	\$3,563
40	3600	575	286TS	350	0402DPSC31B-P			1, 10	MCTDPP	\$3,563
40	1800	230/460	324T	570	0404DPSA31A-P	97/48.5	93.6	1, 10	MCTDPP	\$3,039
40	1800	575	324T	570	0404DPSC31A-P			1, 10	MCTDPP	\$3,039
40	1200	230/460	364T	770	0406DPSA31A-P	98.4/49.2	94.1	1, 10	MCTDPP	\$5,346
40	1200	575	364T	770	0406DPSC31A-P			1, 10	MCTDPP	\$5,346
50	3600	230/460	324TS	606	0502DPSA31B-P	118/59	93.0	1, 10	MCTDPP	\$3,865
50	3600	575	324TS	606	0502DPSC31B-P			1, 10	MCTDPP	\$3,865
50	1800	230/460	326T	639	0504DPSA31A-P	118/59	94.5	1, 10	MCTDPP	\$3,613
50	1800	575	326T	639	0504DPSC31A-P			1, 10	MCTDPP	\$3,613
50	1200	230/460	365T	838	0506DPSA31A-P	123/61.5	93.6	1, 10	MCTDPP	\$6,299

Open Drip Proof Premium Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
50	1200	575	365T	838	0506DPSC31A-P			1, 10	MCTDPP	\$6,299
60	3600	230/460	326TS	692	0602DPSA31B-P	136/68	93.6	1, 10	MCTDPP	\$5,050
60	3600	575	326TS	692	0602DPSC31B-P			1, 10	MCTDPP	\$5,050
60	1800	230/460	364T	770	0604DPSA31A-P	144/72	95.0	1, 10	MCTDPP	\$5,055
60	1800	575	364T	770	0604DPSC31A-P			1, 10	MCTDPP	\$5,055
75	3600	230/460	364TS	686	0752DPSA31B-P			1, 10	MCTDPP	\$6,665
75	3600	575	364TS	686	0752DPSC31B-P			1, 10	MCTDPP	\$6,665
75	1800	230/460	365T	838	0754DPSA31A-P	176/88	95.0	1, 10	MCTDPP	\$6,166
75	1800	575	365T	838	0754DPSC31A-P			1, 10	MCTDPP	\$6,166

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

CT premium refers to premium efficiency motors that exceed EPACT efficiency levels.

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General Purpose CT Series

Totally Enclosed Fan Cooled Motors



Toshiba's general purpose CT, totally enclosed fan cooled motors are designed with the cost-conscious consumer in mind, using the CT EPACT motor as a base. This product line encompasses Toshiba's standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba, all at a very competitive price. This motor series can be used in indoor or outdoor applications. Our CT totally enclosed fan cooled motors are available in EPACT Efficiency, EPACT Efficiency Rolled Steel, EPACT Efficiency C-Face Footed, EPACT Efficiency C-Face Footless, and Premium Efficiency options.

Standard Features:

- Totally Enclosed Fan Cooled
- EPACT & Premium Efficiency
- 230/460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Class F Insulation
- Inverter Duty- Exceeds Insulation Requirements of NEMA MG1 Part 30
- Stamped Steel Gasketed Conduit Box
- Cast Iron Frame
- Stamped Steel Fan Cover
- Cast Iron Brackets
- Ball Bearing 143 through 326T Frames
- Roller Bearing on all 364 through 449T, 4 & 6-Pole
- V-Ring Shaft Slinger on the Drive End
- Lithium Base Grease
- 304 Stainless Steel Nameplate

2Year
Warranty

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- General Applications

Warranty:

- From Date of Shipment: 24 Months

Product is available until inventory is depleted



Totally Enclosed Fan Cooled EPACT Efficiency



The general purpose CT, totally enclosed fan cooled, EPACT Efficiency motor series is Toshiba's most basic general purpose motor product offering. It encompasses Toshiba's standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba, at a very competitive price. This motor series meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower:	1 to 200 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460, 460, or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 449T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.12 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 30 (Inverter Duty)

Product is available until inventory is depleted.

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143T	46	0014FTSA21A-P	2.9/1.45	82.5	1, 10	MCTFCE	\$386
1	1800	575	143T	51	0014FTSC21A-P	1.16	82.5	1, 10	MCTFCE	\$386
1	1200	230/460	145T	55	0016FTSA21A-P	3.4/1.7	80.0	1, 10	MCTFCE	\$466
1	1200	575	145T	55	0016FTSC21A-P	1.4	80.0	1, 10	MCTFCE	\$466
1.5	3600	230/460	143T	53	Y152FTSA21A-P	4.4/2.2	82.5	1, 10	MCTFCE	\$406
1.5	3600	575	143T	55	Y152FTSC21A-P	1.8	82.5	1, 10	MCTFCE	\$406
1.5	1800	230/460	145T	53	Y154FTSA21A-P	4.2/2.1	84.0	1, 10	MCTFCE	\$406
1.5	1800	575	145T	55	Y154FTSC21A-P	1.7	84.0	1, 10	MCTFCE	\$406
1.5	1200	230/460	182T	93	Y156FTSA21A-P	4.6/2.3	85.5	1, 10	MCTFCE	\$519
1.5	1200	575	182T	95	Y156FTSC21A-P	1.84	85.5	1, 10	MCTFCE	\$519
2	3600	230/460	145T	62	0022FTSA21A-P	5.2/2.6	84.0	1, 10	MCTFCE	\$476
2	3600	575	145T	64	0022FTSC21A-P	2.1	84.0	1, 10	MCTFCE	\$476
2	1800	230/460	145T	55	0024FTSA21A-P	5.6/2.8	84.0	1, 10	MCTFCE	\$450
2	1800	575	145T	57	0024FTSC21A-P	2.2	84.0	1, 10	MCTFCE	\$450
2	1200	230/460	184T	104	0026FTSA21A-P	6.2/3.1	86.5	1, 10	MCTFCE	\$588
2	1200	575	184T	108	0026FTSC21A-P	2.48	86.5	1, 10	MCTFCE	\$588
3	3600	230/460	182T	84	0032FTSA21A-P	7.2/3.6	85.5	1, 10	MCTFCE	\$545
3	3600	575	182T	86	0032FTSC21A-P	2.88	85.5	1, 10	MCTFCE	\$545
3	1800	230/460	182T	90	0034FTSA21A-P	8/4	87.5	1, 10	MCTFCE	\$519
3	1800	575	182T	86	0034FTSC21A-P	3.2	87.5	1, 10	MCTFCE	\$519
3	1200	230/460	213T	148	0036FTSA21A-P	8.9/4.45	87.5	1, 10	MCTFCE	\$752
3	1200	575	213T	150	0036FTSC21A-P	3.6	87.5	1, 10	MCTFCE	\$752
5	3600	230/460	184T	101	0052FTSA21A-P	11.8/5.9	87.5	1, 10	MCTFCE	\$675
5	3600	575	184T	97	0052FTSC21A-P	4.72	87.5	1, 10	MCTFCE	\$675
5	1800	230/460	184T	108	0054FTSA21A-P	12.8/6.4	87.5	1, 10	MCTFCE	\$605
5	1800	575	184T	110	0054FTSC21A-P	5.12	85.5	1, 10	MCTFCE	\$605
5	1200	230/460	215T	185	0056FTSA21A-P	14.6/7.3	87.5	1, 10	MCTFCE	\$1,072
5	1200	575	215T	194	0056FTSC21A-P	5.84	87.5	1, 10	MCTFCE	\$1,072

Totally Enclosed Fan Cooled
EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	230/460	213T	154	Y752FTSA21A-P	18.8/9.4	88.5	1, 10	MCTFCE	\$883
7.5	3600	575	213T	157	Y752FTSC21A-P	7.52	88.5	1, 10	MCTFCE	\$883
7.5	1800	230/460	213T	159	Y754FTSA21A-P	18.9/9.45	89.5	1, 10	MCTFCE	\$864
7.5	1800	575	213T	168	Y754FTSC21A-P	7.6	89.5	1, 10	MCTFCE	\$864
7.5	1200	230/460	254T	251	Y756FTSA21A-P	20/10	89.5	1, 10	MCTFCE	\$1,436
7.5	1200	575	254T	238	Y756FTSC21A-P	8.0	89.5	1, 10	MCTFCE	\$1,436
10	3600	230/460	215T	176	0102FTSA21A-P	24/12	89.5	1, 10	MCTFCE	\$1,029
10	3600	575	215T	185	0102FTSC21A-P	9.6	89.5	1, 10	MCTFCE	\$1,029
10	1800	230/460	215T	185	0104FTSA21A-P	25.2/12.6	89.5	1, 10	MCTFCE	\$1,046
10	1800	575	215T	192	0104FTSC21A-P	10.1	89.5	1, 10	MCTFCE	\$1,046
10	1200	230/460	256T	335	0106FTSA21A-P	26.6/13.3	89.5	1, 10	MCTFCE	\$1,826
10	1200	575	256T	313	0106FTSC21A-P	10.6	89.5	1, 10	MCTFCE	\$1,826
15	3600	230/460	254T	287	0152FTSA21A-P	35.2/17.6	90.2	1, 10	MCTFCE	\$1,427
15	3600	575	254T	291	0152FTSC21A-P	14.1	90.2	1, 10	MCTFCE	\$1,427
15	1800	230/460	254T	278	0154FTSA21A-P	36.6/18.3	91.0	1, 10	MCTFCE	\$1,427
15	1800	575	254T	273	0154FTSC21A-P	14.6	91.0	1, 10	MCTFCE	\$1,427
15	1200	230/460	284T	423	0156FTSA21A-P	40/20	90.2	1, 10	MCTFCE	\$2,466
15	1200	575	284T	445	0156FTSC21A-P	16.0	90.2	1, 10	MCTFCE	\$2,466
20	3600	230/460	256T	322	0202FTSA21A-P	47/23.5	90.2	1, 10	MCTFCE	\$1,869
20	3600	575	256T	333	0202FTSC21A-P	18.8	90.2	1, 10	MCTFCE	\$1,869
20	1800	230/460	256T	304	0204FTSA21A-P	49.2/24.6	91.0	1, 10	MCTFCE	\$1,738
20	1800	575	256T	306	0204FTSC21A-P	19.7	91.0	1, 10	MCTFCE	\$1,738
20	1200	230/460	286T	481	0206FTSA21A-P	52/26	90.2	1, 10	MCTFCE	\$2,933
20	1200	575	286T	489	0206FTSC21A-P	20.5	90.2	1, 10	MCTFCE	\$2,933
25	3600	230/460	284TS	448	0252FTSA21B-P	59/29.5	91.0	1, 10	MCTFCE	\$2,241
25	3600	575	284TS	465	0252FTSC21B-P	23.6	91.0	1, 10	MCTFCE	\$2,241
25	1800	230/460	284T	452	0254FTSA21A-P	62/31	92.4	1, 10	MCTFCE	\$2,102
25	1800	230/460	284TS	452	0254FTSA21B-P	62/31	92.4	1, 10	MCTFCE	\$2,102
25	1800	575	284T	485	0254FTSC21A-P	24.8	92.4	1, 10	MCTFCE	\$2,102
25	1200	230/460	324T	573	0256FTSA21A-P	62/31	91.7	1, 10	MCTFCE	\$3,565
25	1200	575	324T	582	0256FTSC21A-P	24.8	91.7	1, 10	MCTFCE	\$3,565
30	3600	230/460	286TS	496	0302FTSA21B-P	70/35	91.0	1, 10	MCTFCE	\$2,552
30	3600	575	286TS	509	0302FTSC21B-P	28.0	91.0	1, 10	MCTFCE	\$2,552
30	1800	230/460	286T	481	0304FTSA21A-P	73/36.5	92.4	1, 10	MCTFCE	\$2,552
30	1800	230/460	286TS	481	0304FTSA21B-P	73/36.5	92.4	1, 10	MCTFCE	\$2,552
30	1800	575	286T	511	0304FTSC21A-P	29.2	92.4	1, 10	MCTFCE	\$2,552
30	1200	230/460	326T	655	0306FTSA21A-P	72/36	91.7	1, 10	MCTFCE	\$4,240
30	1200	575	326T	666	0306FTSC21A-P	28.8	91.7	1, 10	MCTFCE	\$4,240
40	3600	230/460	324TS	595	0402FTSA21B-P	96/48	91.7	1, 10	MCTFCE	\$3,280
40	3600	575	324TS	600	0402FTSC21B-P	38.4	91.7	1, 10	MCTFCE	\$3,280
40	1800	230/460	324T	608	0404FTSA21A-P	96/48	93.0	1, 10	MCTFCE	\$3,244
40	1800	230/460	324TS	608	0404FTSA21B-P	96/48	93.0	1, 10	MCTFCE	\$3,244
40	1800	575	324T	631	0404FTSC21A-P	38.4	93.0	1, 10	MCTFCE	\$3,244
40	1200	230/460	364T	827	0406FTSA21A-P	95.6/47.8	93.0	1, 2, 10	MCTFCE	\$5,554
40	1200	575	364T	825	0406FTSC21A-P	38.2	93.0	1, 2, 10	MCTFCE	\$5,554
50	3600	230/460	326TS	675	0502FTSA21B-P	120/60	92.4	1, 10	MCTFCE	\$4,369
50	3600	575	326TS	701	0502FTSC21B-P	48.0	92.4	1, 10	MCTFCE	\$4,369

Totally Enclosed Fan Cooled EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
50	1800	230/460	326T	714	0504FTSA21A-P	118/59	93.0	1, 10	MCTFCE	\$4,144
50	1800	230/460	326TS	714	0504FTSA21B-P	118/59	93.0	1, 10	MCTFCE	\$4,144
50	1800	575	326T	728	0504FTSC21A-P	47.2	93.0	1, 10	MCTFCE	\$4,144
50	1200	230/460	365T	926	0506FTSA21A-P	116/58	93.0	1, 2, 10	MCTFCE	\$6,498
50	1200	575	365T	946	0506FTSC21A-P	46.4	93.0	1, 2, 10	MCTFCE	\$6,498
60	3600	230/460	364TS	893	0602FTSA21B-P	137/68.5	93.0	1, 10	MCTFCE	\$6,229
60	3600	575	364TS	893	0602FTSC21B-P	54.8	93.0	1, 10	MCTFCE	\$6,229
60	1800	230/460	364T	910	0604FTSA21A-P	144/72	93.6	1, 2, 10	MCTFCE	\$5,779
60	1800	230/460	364TS	910	0604FTSA21B-P	144/72	93.6	1, 10	MCTFCE	\$5,779
60	1800	575	364T	941	0604FTSC21A-P	57.6	93.6	1, 2, 10	MCTFCE	\$5,779
60	1200	230/460	404T	1240	0606FTSA21A-P	140/70	93.6	1, 2, 10	MCTFCE	\$7,345
60	1200	575	404T	1240	0606FTSC21A-P	56.0	93.9	1, 2, 10	MCTFCE	\$7,345
75	3600	230/460	365TS	963	0752FTSA21B-P	166/83	93.0	1, 10	MCTFCE	\$7,501
75	3600	575	365TS	983	0752FTSC21B-P	68.0	93.0	1, 10	MCTFCE	\$7,501
75	1800	230/460	365T	1001	0754FTSA21A-P	178/89	94.1	1, 2, 10	MCTFCE	\$7,312
75	1800	230/460	365TS	1001	0754FTSA21B-P	178/89	94.1	1, 10	MCTFCE	\$7,312
75	1800	575	365T	1001	0754FTSC21A-P	71.2	94.1	1, 2, 10	MCTFCE	\$7,312
75	1200	230/460	405T	1319	0756FTSA21A-P	174/87	93.6	1, 2, 10	MCTFCE	\$8,681
75	1200	575	405T	1319	0756FTSC21A-P	69.6	93.6	1, 2, 10	MCTFCE	\$8,681
100	3600	230/460	405TS	1305	1002FTSA21B-P	230/115	93.6	1, 10	MCTFCE	\$9,948
100	3600	575	405TS	1305	1002FTSC21B-P	92.0	93.6	1, 10	MCTFCE	\$9,948
100	1800	230/460	405T	1370	1004FTSA21A-P	242/121	94.5	1, 2, 10	MCTFCE	\$9,159
100	1800	575	405T	1370	1004FTSC21A-P	96.8	94.5	1, 2, 10	MCTFCE	\$9,159
100	1200	230/460	444T	1786	1006FTSA21A-P	244/122	94.1	1, 2, 10	MCTFCE	\$12,146
100	1200	575	444T	1786	1006FTSC21A-P	97.6	94.1	1, 2, 10	MCTFCE	\$12,146
125	3600	230/460	444TS	1851	1252FTSA21B-P	292/146	94.5	1, 10	MCTFCE	\$13,189
125	3600	575	444TS	1851	1252FTSC21B-P	117.0	94.5	1, 10	MCTFCE	\$13,189
125	1800	230/460	444T	1837	1254FTSA21A-P	290/145	94.5	1, 2, 10	MCTFCE	\$11,525
125	1800	575	444T	1837	1254FTSC21A-P	116.0	94.5	1, 2, 10	MCTFCE	\$11,525
125	1200	230/460	445T	1941	1256FTSA21A-P	302/151	94.1	1, 2, 10	MCTFCE	\$14,234
125	1200	575	445T	1941	1256FTSC21A-P	121.0	94.1	1, 2, 10	MCTFCE	\$14,234
150	3600	230/460	445TS	2016	1502FTSA21B-P	346/173	94.5	1, 10	MCTFCE	\$16,064
150	3600	575	445TS	2016	1502FTSC21B-P	138.0	94.5	1, 10	MCTFCE	\$16,064
150	1800	230/460	445T	2040	1504FTSA21A-P	338/169	95.0	1, 2, 10	MCTFCE	\$13,903
150	1800	575	445T	2040	1504FTSC21A-P	135.0	95.0	1, 2, 10	MCTFCE	\$13,903
150	1200	460	447T	2211	1506FTSB21A-P	179.0	95.0	1, 2, 10	MCTFCE	\$16,456
150	1200	575	447T	2211	1506FTSC21A-P	143.0	95.0	1, 2, 10	MCTFCE	\$16,456
200	3600	460	447TS	2293	2002FTSB21B-P	228.0	95.0	1, 10	MCTFCE	\$20,077
200	3600	575	447TS	2293	2002FTSC21B-P	182.0	95.0	1, 10	MCTFCE	\$20,077
200	1800	460	447T	2375	2004FTSB21A-P	226.0	95.0	1, 2, 10	MCTFCE	\$17,077
200	1800	575	447T	2375	2004FTSC21A-P	180.0	95.0	1, 2, 10	MCTFCE	\$17,077
200	1200	460	449T	2809	2006FTSB21A-P	237.0	95.0	1, 2, 10	MCTFCE	\$21,045
200	1200	575	449T	2809	2006FTSC21A-P	190.0	95.0	1, 2, 10	MCTFCE	\$21,045

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

**Totally Enclosed
Fan Cooled
Rolled Steel
EPACT Efficiency**



The general purpose CT, totally enclosed fan cooled, EPACT efficiency, Rolled Steel motor series is created as a solution for customers looking for a less costly product and more lightweight design than the typical CT EPACT motor. These motors offer similar features and performance as the CT EPACT, but at a lower price. The Rolled Steel motor series is light in weight, but not light performance, and meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower:	1 to 30 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 286T
Construction:	Rolled Steel
Vibration (Unfiltered):	0.15 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 30 (Inverter Duty)

Product is available until inventory is depleted.

HP	RPM	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143T	40	0014FCNA21A-P	3.22/1.61	82.5	1, 10	MCTFCF	\$363
1	1800	575	143T	40	0014FCNC21A-P	1.29	82.5	1, 10	MCTFCF	\$363
1	1200	230/460	145T	45	0016FCNA21A-P	3.5/1.75	80.0	1, 10	MCTFCF	\$438
1	1200	575	145T	45	0016FCNC21A-P	1.4	80.0	1, 10	MCTFCF	\$438
1.5	3600	230/460	143T	43	Y152FCNA21A-P	4.1/2.05	82.5	1, 10	MCTFCF	\$382
1.5	3600	575	143T	43	Y152FCNC21A-P	1.64	82.5	1, 10	MCTFCF	\$382
1.5	1800	230/460	145T	43	Y154FCNA21A-P	4.5/2.25	84.0	1, 10	MCTFCF	\$382
1.5	1800	575	145T	43	Y154FCNC21A-P	1.8	84.0	1, 10	MCTFCF	\$382
1.5	1200	230/460	182T		Y156FCNA21A-P	4.7/2.35	85.5	1, 10	MCTFCF	\$487
1.5	1200	575	182T		Y156FCNC21A-P	1.88	85.5	1, 10	MCTFCF	\$487
2	3600	230/460	145T		0022FCNA21A-P	5.2/2.6	84.0	1, 10	MCTFCF	\$448
2	3600	575	145T		0022FCNC21A-P	2.1	84.0	1, 10	MCTFCF	\$448
2	1800	230/460	145T	44	0024FCNA21A-P	6.0/3.0	84.0	1, 10	MCTFCF	\$423
2	1800	575	145T	44	0024FCNC21A-P	2.4	84.0	1, 10	MCTFCF	\$423
2	1200	230/460	184T		0026FCNA21A-P	6.4/3.2	86.5	1, 10	MCTFCF	\$553
2	1200	575	184T		0026FCNC21A-P	2.56	86.5	1, 10	MCTFCF	\$553
3	3600	230/460	182T	67	0032FCNA21A-P	7.5/3.75	85.5	1, 10	MCTFCF	\$524
3	3600	575	182T	67	0032FCNC21A-P	3	85.5	1, 10	MCTFCF	\$524
3	1800	230/460	182T	71	0034FCNA21A-P	7.9/3.95	87.5	1, 10	MCTFCF	\$497
3	1800	575	182T	71	0034FCNC21A-P	3.16	87.5	1, 10	MCTFCF	\$497
3	1200	230/460	213T	122	0036FCNA21A-P	9.0/4.5	87.5	1, 10	MCTFCF	\$707
3	1200	575	213T	122	0036FCNC21A-P	3.6	87.5	1, 10	MCTFCF	\$707
5	3600	230/460	184T	76	0052FCNA21A-P	12.0/6.0	87.5	1, 10	MCTFCF	\$633
5	3600	575	184T	76	0052FCNC21A-P	4.8	87.5	1, 10	MCTFCF	\$633
5	1800	230/460	184T	82	0054FCNA21A-P	12.6/6.3	87.5	1, 10	MCTFCF	\$570
5	1800	575	184T	82	0054FCNC21A-P	5.04	87.5	1, 10	MCTFCF	\$570
5	1200	230/460	215T	149	0056FCNA21A-P	13.6/6.8	87.5	1, 10	MCTFCF	\$1,008
5	1200	575	215T	149	0056FCNC21A-P	5.4	87.5	1, 10	MCTFCF	\$1,008

Totally Enclosed Fan Cooled Rolled Steel EPACT Efficiency



HP	RPM	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	230/460	213T	146	Y752FCNA21A-P	18.4/9.2	88.5	1, 10	MCTFCF	\$847
7.5	3600	575	213T	146	Y752FCNC21A-P	7.36	88.5	1, 10	MCTFCF	\$847
7.5	1800	230/460	213T	131	Y754FCNA21A-P	19.2/9.6	89.5	1, 10	MCTFCF	\$812
7.5	1800	575	213T	131	Y754FCNC21A-P	7.68	89.5	1, 10	MCTFCF	\$812
7.5	1200	230/460	254T	234	Y756FCNA21A-P	20/10	89.5	1, 10	MCTFCF	\$1,350
7.5	1200	575	254T	234	Y756FCNC21A-P	8	89.5	1, 10	MCTFCF	\$1,350
10	3600	230/460	215T	154	0102FCNA21A-P	24/12	89.5	1, 10	MCTFCF	\$967
10	3600	575	215T	154	0102FCNC21A-P	9.6	89.5	1, 10	MCTFCF	\$967
10	1800	230/460	215T	149	0104FCNA21A-P	25.2/12.6	89.5	1, 10	MCTFCF	\$984
10	1800	575	215T	149	0104FCNC21A-P	10.1	89.5	1, 10	MCTFCF	\$984
10	1200	230/460	256T	249	0106FCNA21A-P	26//13	89.5	1, 10	MCTFCF	\$1,717
10	1200	575	256T	249	0106FCNC21A-P	10.4	89.5	1, 10	MCTFCF	\$1,717
15	3600	230/460	254T	243	0152FCNA21A-P	36/18	90.2	1, 10	MCTFCF	\$1,340
15	3600	575	254T	243	0152FCNC21A-P	14.4	90.2	1, 10	MCTFCF	\$1,340
15	1800	230/460	254T		0154FCNA21A-P	36/18	91.0	1, 10	MCTFCF	\$1,340
15	1800	575	254T		0154FCNC21A-P	14.4	91.0	1, 10	MCTFCF	\$1,340
15	1200	230/460	284T		0156FCNA21A-P	40/20	90.2	1, 10	MCTFCF	\$2,364
15	1200	575	284T		0156FCNC21A-P	16	90.2	1, 10	MCTFCF	\$2,364
20	3600	230/460	256T		0202FCNA21A-P	46/23	90.2	1, 10	MCTFCF	\$1,757
20	3600	575	256T		0202FCNC21A-P	18.4	90.2	1, 10	MCTFCF	\$1,757
20	1800	230/460	256T		0204FCNA21A-P	48/24	91.0	1, 10	MCTFCF	\$1,633
20	1800	575	256T		0204FCNC21A-P	19.2	91.0	1, 10	MCTFCF	\$1,633
20	1200	230/460	286T		0206FCNA21A-P	52/26	90.2	1, 10	MCTFCF	\$2,811
20	1200	575	286T		0206FCNC21A-P	20.8	90.2	1, 10	MCTFCF	\$2,811
25	3600	230/460	284TS		0252FCNA21B-P	59/29.5	91.0	1, 10	MCTFCF	\$2,106
25	3600	575	284TS		0252FCNC21B-P	23.6	91.0	1, 10	MCTFCF	\$2,106
25	1800	230/460	284T		0254FCNA21A-P	62/31	92.4	1, 10	MCTFCF	\$1,976
25	1800	575	284T		0254FCNC21A-P	62/31	92.4	1, 10	MCTFCF	\$1,976
30	3600	230/460	286TS		0302FCNA21B-P	70/35	91.0	1, 10	MCTFCF	\$2,398
30	3600	575	286TS		0302FCNC21B-P	28	91.0	1, 10	MCTFCF	\$2,398
30	1800	230/460	286T		0304FCNA21A-P	73/36.5	92.4	1, 10	MCTFCF	\$2,398
30	1800	575	286T		0304FCNC21A-P	73/36.5	92.4	1, 10	MCTFCF	\$2,398

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Totally Enclosed

Fan Cooled

Premium Efficiency



The general purpose CT, totally enclosed fan cooled, Premium Efficiency motor series is Toshiba’s general purpose motor offering. This series takes energy efficiency in our basic product to the next level. The Premium CT motor exceeds the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower:	1 to 75 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 365T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.12 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 30 (Inverter Duty)

Product is available until inventory is depleted.

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143T	49	0014FTSA31A-P	3/1.5	84.5	1, 10	MCTFCP	\$483
1	1800	575	143T	49	0014FTSC31A-P	1.2	84.5	1, 10	MCTFCP	\$483
1	1200	230/460	145T	53	0016FTSA31A-P	3.4/1.7	82.5	1, 10	MCTFCP	\$626
1	1200	575	145T	53	0016FTSC31A-P	1.36	82.5	1, 10	MCTFCP	\$626
1.5	3600	230/460	143T	46	Y152FTSA31A-P	3.8/1.9	84.0	1, 10	MCTFCP	\$562
1.5	3600	575	143T	46	Y152FTSC31A-P	1.52	84.0	1, 10	MCTFCP	\$562
1.5	1800	230/460	145T	51	Y154FTSA31A-P	4.2/2.1	86.5	1, 10	MCTFCP	\$562
1.5	1800	575	145T	51	Y154FTSC31A-P	1.68	86.5	1, 10	MCTFCP	\$562
1.5	1200	230/460	182T	93	Y156FTSA31A-P	4.6/2.3	87.5	1, 10	MCTFCP	\$712
1.5	1200	575	182T	93	Y156FTSC31A-P	1.92	87.5	1, 10	MCTFCP	\$712
2	3600	230/460	145T	55	0022FTSA31A-P	5/2.5	85.5	1, 10	MCTFCP	\$607
2	3600	575	145T	55	0022FTSC31A-P	2	85.5	1, 10	MCTFCP	\$607
2	1800	230/460	145T	55	0024FTSA31A-P	5.6/2.8	86.5	1, 10	MCTFCP	\$603
2	1800	575	145T	55	0024FTSC31A-P	2.24	86.5	1, 10	MCTFCP	\$603
2	1200	230/460	184T	101	0026FTSA31A-P	6.0/3.0	88.5	1, 10	MCTFCP	\$813
2	1200	575	184T	101	0026FTSC31A-P	2.6	88.5	1, 10	MCTFCP	\$813
3	3600	230/460	182T	79	0032FTSA31A-P	7.2/3.6	86.5	1, 10	MCTFCP	\$753
3	3600	575	182T	79	0032FTSC31A-P	2.88	86.5	1, 10	MCTFCP	\$753
3	1800	230/460	182T	89	0034FTSA31A-P	7.8/3.9	88.5	1, 10	MCTFCP	\$675
3	1800	575	182T	89	0034FTSC31A-P	3.12	88.5	1, 10	MCTFCP	\$675
3	1200	230/460	213T	143	0036FTSA31A-P	8.6/4.3	88.5	1, 10	MCTFCP	\$1,001
3	1200	575	213T	143	0036FTSC31A-P	3.44	88.5	1, 10	MCTFCP	\$1,001
5	3600	230/460	184T	95	0052FTSA31A-P	11.6/5.8	88.5	1, 10	MCTFCP	\$881
5	3600	575	184T	95	0052FTSC31A-P	4.64	88.5	1, 10	MCTFCP	\$881
5	1800	230/460	184T	101	0054FTSA31A-P	12.8/6.4	88.5	1, 10	MCTFCP	\$787
5	1800	575	184T	101	0054FTSC31A-P	5.1	88.5	1, 10	MCTFCP	\$787
5	1200	230/460	215T	177	0056FTSA31A-P	13.8/6.9	89.5	1, 10	MCTFCP	\$1,376
5	1200	575	215T	177	0056FTSC31A-P	5.52	89.5	1, 10	MCTFCP	\$1,376
7.5	3600	230/460	213T	148	Y752FTSA31A-P	18/9.0	89.5	1, 10	MCTFCP	\$1,162

Totally Enclosed Fan Cooled Premium Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	575	213T	148	Y752FTSC31A-P	7.2	89.5	1, 10	MCTFCP	\$1,162
7.5	1800	230/460	213T	153	Y754FTSA31A-P	18.2/9.1	91.0	1, 10	MCTFCP	\$1,125
7.5	1800	575	213T	153	Y754FTSC31A-P	7.28	91.0	1, 10	MCTFCP	\$1,125
7.5	1200	230/460	254T	254	Y756FTSA31A-P	20.1/10.1	91.0	1, 10	MCTFCP	\$1,886
7.5	1200	575	254T	254	Y756FTSC31A-P	8.08	91.0	1, 10	MCTFCP	\$1,886
10	3600	230/460	215T	172	0102FTSA31A-P	23/11.5	90.2	1, 10	MCTFCP	\$1,369
10	3600	575	215T	172	0102FTSC31A-P	9.2	90.2	1, 10	MCTFCP	\$1,369
10	1800	230/460	215T	176	0104FTSA31A-P	23.8/11.9	91.0	1, 10	MCTFCP	\$1,316
10	1800	575	215T	176	0104FTSC31A-P	10	91.0	1, 10	MCTFCP	\$1,316
10	1200	230/460	256T	291	0106FTSA31A-P	26.4/13.2	91.7	1, 10	MCTFCP	\$2,295
10	1200	575	256T	291	0106FTSC31A-P	10.5	91.0	1, 10	MCTFCP	\$2,295
15	3600	230/460	254T	269	0152FTSA31A-P	34.6/17.3	91.0	1, 10	MCTFCP	\$1,819
15	3600	575	254T	269	0152FTSC31A-P	13.8	91.0	1, 10	MCTFCP	\$1,819
15	1800	230/460	254T	271	0154FTSA31A-P	37/18.5	92.4	1, 10	MCTFCP	\$1,781
15	1800	575	254T	271	0154FTSC31A-P	14.8	92.4	1, 10	MCTFCP	\$1,781
15	1200	230/460	284T	384	0156FTSA31A-P	38.8/19.4	91.0	1, 10	MCTFCP	\$3,075
15	1200	575	284T	384	0156FTSC31A-P	15.5	91.0	1, 10	MCTFCP	\$3,075
20	3600	230/460	256T	291	0202FTSA31A-P	46/23	91.0	1, 10	MCTFCP	\$2,299
20	3600	575	256T	291	0202FTSC31A-P	18.4	91.0	1, 10	MCTFCP	\$2,299
20	1800	230/460	256T	300	0204FTSA31A-P	49/24.5	93.0	1, 10	MCTFCP	\$2,242
20	1800	575	256T	300	0204FTSC31A-P	19.6	93.0	1, 10	MCTFCP	\$2,242
20	1200	230/460	286T	443	0206FTSA31A-P	51/25.5	91.7	1, 10	MCTFCP	\$3,731
20	1200	575	286T	443	0206FTSC31A-P	20.4	91.7	1, 10	MCTFCP	\$3,731
25	3600	230/460	284TS	423	0252FTSA31B-P	57.4/28.7	91.7	1, 10	MCTFCP	\$2,769
25	3600	575	284TS	423	0252FTSC31B-P	23	91.7	1, 10	MCTFCP	\$2,769
25	1800	230/460	284T	419	0254FTSA31A-P	60/30	93.6	1, 10	MCTFCP	\$2,621
25	1800	575	284T	419	0254FTSC31A-P	24	93.6	1, 10	MCTFCP	\$2,621
25	1200	230/460	324T	544	0256FTSA31A-P	64/32	92.4	1, 10	MCTFCP	\$4,463
25	1200	575	324T	544	0256FTSC31A-P	25.6	92.4	1, 10	MCTFCP	\$4,463
30	3600	230/460	286TS	467	0302FTSA31B-P	68.2/34.1	91.7	1, 10	MCTFCP	\$3,244
30	3600	575	286TS	467	0302FTSC31B-P	27.28	91.7	1, 10	MCTFCP	\$3,244
30	1800	230/460	286T	456	0304FTSA31A-P	72/36	93.6	1, 10	MCTFCP	\$3,154
30	1800	575	286T	456	0304FTSC31A-P	30	93.6	1, 10	MCTFCP	\$3,154
30	1200	230/460	326T	606	0306FTSA31A-P	72/36	92.4	1, 10	MCTFCP	\$5,241
30	1200	575	326T	606	0306FTSC31A-P	28.8	92.4	1, 10	MCTFCP	\$5,241
40	3600	230/460	324TS	566	0402FTSA31B-P	93.4/46.7	92.4	1, 10	MCTFCP	\$4,313
40	3600	575	324TS	566	0402FTSC31B-P	37.4	92.4	1, 10	MCTFCP	\$4,313
40	1800	230/460	324T	586	0404FTSA31A-P	94.8/47.4	93.6	1, 10	MCTFCP	\$4,043
40	1800	575	324T	586	0404FTSC31A-P	38	93.6	1, 10	MCTFCP	\$4,043
40	1200	230/460	364T	809	0406FTSA31A-P	97/48.5	93.6	1, 2, 10	MCTFCP	\$6,865
40	1200	575	364T	809	0406FTSC31A-P	38.8	93.6	1, 2, 10	MCTFCP	\$6,865
50	3600	230/460	326TS	674	0502FTSA31B-P	114/57	93.0	1, 10	MCTFCP	\$5,588
50	3600	575	326TS	674	0502FTSC31B-P	45.6	93.0	1, 10	MCTFCP	\$5,588
50	1800	230/460	326T	675	0504FTSA31A-P	116/58	94.1	1, 10	MCTFCP	\$5,063
50	1800	575	326T	675	0504FTSC31A-P	47.2	94.1	1, 10	MCTFCP	\$5,063
50	1200	230/460	365T	886	0506FTSA31A-P	120/60	94.1	1, 2, 10	MCTFCP	\$8,064
50	1200	575	365T	886	0506FTSC31A-P	48	94.1	1, 2, 10	MCTFCP	\$8,064

Totally Enclosed Fan Cooled

Premium Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
60	3600	230/460	364TS	833	0602FTSA31B-P	136/68	93.6	1, 10	MCTFCP	\$7,366
60	3600	575	364TS	833	0602FTSC31B-P	54.4	93.6	1, 10	MCTFCP	\$7,366
60	1800	230/460	364T	882	0604FTSA31A-P	143/71.5	94.5	1, 2, 10	MCTFCP	\$7,143
60	1800	575	364T	882	0604FTSC31A-P	57	94.5	1, 2, 10	MCTFCP	\$7,143
75	3600	230/460	365TS	886	0752FTSA31B-P	168/84	93.6	1, 10	MCTFCP	\$9,271
75	3600	575	365TS	886	0752FTSC31B-P	67.2	93.6	1, 10	MCTFCP	\$9,271
75	1800	230/460	365T	950	0754FTSA31A-P	176/88	94.5	1, 2, 10	MCTFCP	\$9,037
75	1800	575	365T	950	0754FTSC31A-P	70	94.5	1, 2, 10	MCTFCP	\$9,037

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

CT premium refers to premium efficiency motors that exceed EPACT efficiency levels.

Totally Enclosed Fan Cooled C-Face Footed EPACT Efficiency



The general purpose CT, totally enclosed fan cooled, EPACT efficiency, C-Face Footed motor series encompasses Toshiba's standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba. This product line meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower:	1 to 75 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143TC through 365TC
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.12 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 30 (Inverter Duty)

Product is available until inventory is depleted.

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Symbol	New List
1	1800	230/460	143TC	50	0014FTSA22A-P	2.9/1.45	82.5	1, 10	MCTFCE	\$425
1	1800	575	143TC	50	0014FTSC22A-P	1.16	82.5	1, 10	MCTFCE	\$425
1	1200	230/460	145TC	57	0016FTSA22A-P	3.4/1.7	80.0	1, 10	MCTFCE	\$513
1	1200	575	145TC	57	0016FTSC22A-P	1.4	80.0	1, 10	MCTFCE	\$513
1.5	3600	230/460	143TC	50	Y152FTSA22A-P	4.4/2.2	82.5	1, 10	MCTFCE	\$448
1.5	3600	575	143TC	50	Y152FTSC22A-P	1.8	82.5	1, 10	MCTFCE	\$448
1.5	1800	230/460	145TC	57	Y154FTSA22A-P	4.2/2.1	84.0	1, 10	MCTFCE	\$448
1.5	1800	575	145TC	57	Y154FTSC22A-P	1.7	84.0	1, 10	MCTFCE	\$448
1.5	1200	230/460	182TC	91	Y156FTSA22A-P	4.6/2.3	85.5	1, 10	MCTFCE	\$571
1.5	1200	575	182TC	91	Y156FTSC22A-P	1.84	85.5	1, 10	MCTFCE	\$571
2	3600	230/460	145TC	60	0022FTSA22A-P	5.2/2.6	84.0	1, 10	MCTFCE	\$523
2	3600	575	145TC	60	0022FTSC22A-P	2.1	84.0	1, 10	MCTFCE	\$523
2	1800	230/460	145TC	62	0024FTSA22A-P	5.6/2.8	84.0	1, 10	MCTFCE	\$495
2	1800	575	145TC	62	0024FTSC22A-P	2.2	84.0	1, 10	MCTFCE	\$495
2	1200	230/460	184TC	105	0026FTSA22A-P	6.2/3.1	86.5	1, 10	MCTFCE	\$647
2	1200	575	184TC	105	0026FTSC22A-P	2.48	86.5	1, 10	MCTFCE	\$647
3	3600	230/460	182TC	91	0032FTSA22A-P	7.2/3.6	85.5	1, 10	MCTFCE	\$600
3	3600	575	182TC	91	0032FTSC22A-P	2.88	85.5	1, 10	MCTFCE	\$600
3	1800	230/460	182TC	101	0034FTSA22A-P	8/4	87.5	1, 10	MCTFCE	\$571
3	1800	575	182TC	101	0034FTSC22A-P	3.2	87.5	1, 10	MCTFCE	\$571
3	1200	230/460	213TC	180	0036FTSA22A-P	8.9/4.45	87.5	1, 10	MCTFCE	\$827
3	1200	575	213TC	180	0036FTSC22A-P	3.6	87.5	1, 10	MCTFCE	\$827
5	3600	230/460	184TC	108	0052FTSA22A-P	11.8/5.9	87.5	1, 10	MCTFCE	\$742
5	3600	575	184TC	108	0052FTSC22A-P	4.72	87.5	1, 10	MCTFCE	\$742
5	1800	230/460	184TC	115	0054FTSA22A-P	12.8/6.4	87.5	1, 10	MCTFCE	\$665
5	1800	575	184TC	115	0054FTSC22A-P	5.12	85.5	1, 10	MCTFCE	\$665
5	1200	230/460	215TC	180	0056FTSA22A-P	14.6/7.3	87.5	1, 10	MCTFCE	\$1,179

Totally Enclosed Fan Cooled

C-Face Footed

EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Symbol	New List
5	1200	575	215TC	180	0056FTSC22A-P	5.84	87.5	1, 10	MCTFCE	\$1,179
7.5	3600	230/460	213TC	170	Y752FTSA22A-P	18.8/9.4	88.5	1, 10	MCTFCE	\$971
7.5	3600	575	213TC	170	Y752FTSC22A-P	7.52	88.5	1, 10	MCTFCE	\$971
7.5	1800	230/460	213TC	180	Y754FTSA22A-P	18.9/9.45	89.5	1, 10	MCTFCE	\$950
7.5	1800	575	213TC	180	Y754FTSC22A-P	7.6	89.5	1, 10	MCTFCE	\$950
7.5	1200	230/460	254TC	258	Y756FTSA22A-P	20/10	89.5	1, 10	MCTFCE	\$1,580
7.5	1200	575	254TC	258	Y756FTSC22A-P	8	89.5	1, 10	MCTFCE	\$1,580
10	3600	230/460	215TC	196	0102FTSA22A-P	24/12	89.5	1, 10	MCTFCE	\$1,132
10	3600	575	215TC	196	0102FTSC22A-P	9.6	89.5	1, 10	MCTFCE	\$1,132
10	1800	230/460	215TC	198	0104FTSA22A-P	25.2/12.6	89.5	1, 10	MCTFCE	\$1,151
10	1800	575	215TC	198	0104FTSC22A-P	10.1	89.5	1, 10	MCTFCE	\$1,151
10	1200	230/460	256TC	310	0106FTSA22A-P	26.6/13.3	89.5	1, 10	MCTFCE	\$2,008
10	1200	575	256TC	310	0106FTSC22A-P	10.6	89.5	1, 10	MCTFCE	\$2,008
15	3600	230/460	254TC	295	0152FTSA22A-P	35.2/17.6	90.2	1, 10	MCTFCE	\$1,569
15	3600	575	254TC	295	0152FTSC22A-P	14.1	90.2	1, 10	MCTFCE	\$1,569
15	1800	230/460	254TC	310	0154FTSA22A-P	36.6/18.3	91.0	1, 10	MCTFCE	\$1,569
15	1800	575	254TC	310	0154FTSC22A-P	14.6	91.0	1, 10	MCTFCE	\$1,569
15	1200	230/460	284TC	427	0156FTSA22A-P	40/20	90.2	1, 10	MCTFCE	\$2,713
15	1200	575	284TC	427	0156FTSC22A-P	16	90.2	1, 10	MCTFCE	\$2,713
20	3600	230/460	256TC	310	0202FTSA22A-P	47/23.5	90.2	1, 10	MCTFCE	\$2,057
20	3600	575	256TC	310	0202FTSC22A-P	18.8	90.2	1, 10	MCTFCE	\$2,057
20	1800	230/460	256TC	340	0204FTSA22A-P	49.2/24.6	91.0	1, 10	MCTFCE	\$1,912
20	1800	575	256TC	340	0204FTSC22A-P	19.7	91.0	1, 10	MCTFCE	\$1,912
20	1200	230/460	286TC	427	0206FTSA22A-P	52/26	90.2	1, 10	MCTFCE	\$3,225
20	1200	575	286TC	427	0206FTSC22A-P	20.5	90.2	1, 10	MCTFCE	\$3,225
25	3600	230/460	284TSC	409	0252FTSA22B-P	59/29.5	91.0	1, 10	MCTFCE	\$2,466
25	3600	575	284TSC	409	0252FTSC22B-P	23.6	91.0	1, 10	MCTFCE	\$2,466
25	1800	230/460	284TC	427	0254FTSA22A-P	62/31	92.4	1, 10	MCTFCE	\$2,312
25	1800	575	284TC	427	0254FTSC22A-P	24.8	92.4	1, 10	MCTFCE	\$2,312
25	1200	230/460	324TC	593	0256FTSA22A-P	62/31	91.7	1, 10	MCTFCE	\$3,921
25	1200	575	324TC	593	0256FTSC22A-P	24.8	91.7	1, 10	MCTFCE	\$3,921
30	3600	230/460	286TSC	465	0302FTSA22B-P	70/35	91.0	1, 10	MCTFCE	\$2,807
30	3600	575	286TSC	465	0302FTSC22B-P	28	91.0	1, 10	MCTFCE	\$2,807
30	1800	230/460	286TC	475	0304FTSA22A-P	73/36.5	92.4	1, 10	MCTFCE	\$2,807
30	1800	575	286TC	475	0304FTSC22A-P	29.2	92.4	1, 10	MCTFCE	\$2,807
30	1200	230/460	326TC	593	0306FTSA22A-P	72/36	91.7	1, 10	MCTFCE	\$4,664
30	1200	575	326TC	593	0306FTSC22A-P	28.8	91.7	1, 10	MCTFCE	\$4,664
40	3600	230/460	324TSC	514	0402FTSA22B-P	96/48	91.7	1, 10	MCTFCE	\$3,608
40	3600	575	324TSC	514	0402FTSC22B-P	38.4	91.7	1, 10	MCTFCE	\$3,608
40	1800	230/460	324TC	593	0404FTSA22A-P	96/48	93.0	1, 10	MCTFCE	\$3,568
40	1800	575	324TC	593	0404FTSC22A-P	38.4	93.0	1, 10	MCTFCE	\$3,568
40	1200	230/460	364TC	714	0406FTSA22A-P	95.6/47.8	93.0	1, 10	MCTFCE	\$6,109
40	1200	575	364TC	714	0406FTSC22A-P	38.2	93.0	1, 10	MCTFCE	\$6,109
50	3600	230/460	326TSC	630	0502FTSA22B-P	120/60	92.4	1, 10	MCTFCE	\$4,806
50	3600	575	326TSC	630	0502FTSC22B-P	48	92.4	1, 10	MCTFCE	\$4,806
50	1800	230/460	326TC	634	0504FTSA22A-P	118/59	93.0	1, 10	MCTFCE	\$4,559
50	1800	575	326TC	634	0504FTSC22A-P	47.2	93.0	1, 10	MCTFCE	\$4,559

Totally Enclosed Fan Cooled C-Face Footed EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Symbol	New List
50	1200	230/460	365TC	771	0506FTSA22A-P	116/58	93.0	1, 10	MCTFCE	\$7,148
50	1200	575	365TC	771	0506FTSC22A-P	46.4	93.0	1, 10	MCTFCE	\$7,148
60	3600	230/460	364TSC	730	0602FTSA22B-P	137/68.5	93.0	1, 10	MCTFCE	\$6,852
60	3600	575	364TSC	730	0602FTSC22B-P	54.8	93.0	1, 10	MCTFCE	\$6,852
60	1800	230/460	364TC	781	0604FTSA22A-P	144/72	93.6	1, 10	MCTFCE	\$6,357
60	1800	575	364TC	781	0604FTSC22A-P	57.6	93.6	1, 10	MCTFCE	\$6,357
75	3600	230/460	365TSC	773	0752FTSA22B-P	166/83	93.0	1, 10	MCTFCE	\$8,251
75	3600	575	365TSC	773	0752FTSC22B-P	68	93.0	1, 10	MCTFCE	\$8,251
75	1800	230/460	365TC	839	0754FTSA22A-P	178/89	94.1	1, 10	MCTFCE	\$8,043
75	1800	575	365TC	839	0754FTSC22A-P	71.2	94.1	1, 10	MCTFCE	\$8,043

The weights listed above are estimated.
Please contact Toshiba for information on product availability.

LV General Purpose CT
LV General Purpose XT
EQP Global
LV Definite Purpose CT
LV Definite Purpose XT
MV General Purpose XT
Stock Modifications
Production Modifications
Spare Parts
Model No. Index
Appendices

Totally Enclosed

Fan Cooled

C-Face Footless

EPACT Efficiency



The general purpose CT, totally enclosed fan cooled, EPACT efficiency, C-Face Footless motor series encompasses Toshiba’s standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba. This product line meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

Horsepower:	1 to 75 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143TC through 365TC
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.12 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 30 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143TC	49	0014FTSA24A-P	2.9/1.45	82.5	1	MCTFCE	\$444
1	1800	575	143TC	49	0014FTSC24A-P	1.15	82.5	1	MCTFCE	\$444
1	1200	230/460	145TC	53	0016FTSA24A-P	3.4/1.7	80.0	1	MCTFCE	\$536
1	1200	575	145TC	53	0016FTSC24A-P	1.4	80.0	1	MCTFCE	\$536
1.5	3600	230/460	143TC	53	Y152FTSA24A-P	4.4/2.2	82.5	1	MCTFCE	\$468
1.5	3600	575	143TC	53	Y152FTSC24A-P	1.8	82.5	1	MCTFCE	\$468
1.5	1800	230/460	145TC	62	Y154FTSA24A-P	4.2/2.1	84.0	1	MCTFCE	\$468
1.5	1800	575	145TC	62	Y154FTSC24A-P	1.7	84.0	1	MCTFCE	\$468
1.5	1200	230/460	182TC	99	Y156FTSA24A-P	4.6/2.3	85.5	1	MCTFCE	\$598
1.5	1200	575	182TC	99	Y156FTSC24A-P	1.84	85.5	1	MCTFCE	\$598
2	3600	230/460	145TC	61	0022FTSA24A-P	5.2/2.6	84.0	1	MCTFCE	\$547
2	3600	575	145TC	61	0022FTSC24A-P	2.1	84.0	1	MCTFCE	\$547
2	1800	230/460	145TC	62	0024FTSA24A-P	5.6/2.8	84.0	1	MCTFCE	\$517
2	1800	575	145TC	62	0024FTSC24A-P	2.2	84.0	1	MCTFCE	\$517
2	1200	230/460	184TC	91	0026FTSA24A-P	6.2/3.1	86.5	1	MCTFCE	\$677
2	1200	575	184TC	91	0026FTSC24A-P	2.48	86.5	1	MCTFCE	\$677
3	3600	230/460	182TC	88	0032FTSA24A-P	7.2/3.6	85.5	1	MCTFCE	\$628
3	3600	575	182TC	88	0032FTSC24A-P	2.88	85.5	1	MCTFCE	\$628
3	1800	230/460	182TC	100	0034FTSA24A-P	8/4	87.5	1	MCTFCE	\$598
3	1800	575	182TC	100	0034FTSC24A-P	3.2	87.5	1	MCTFCE	\$598
3	1200	230/460	213TC	180	0036FTSA24A-P	8.9/4.45	87.5	1	MCTFCE	\$864
3	1200	575	213TC	180	0036FTSC24A-P	3.6	87.5	1	MCTFCE	\$864
5	3600	230/460	184TC	101	0052FTSA24A-P	11.8/5.9	87.5	1	MCTFCE	\$776
5	3600	575	184TC	101	0052FTSC24A-P	4.72	87.5	1	MCTFCE	\$776
5	1800	230/460	184TC	112	0054FTSA24A-P	12.8/6.4	87.5	1	MCTFCE	\$695
5	1800	575	184TC	112	0054FTSC24A-P	5.12	85.5	1	MCTFCE	\$695
5	1200	230/460	215TC	206	0056FTSA24A-P	14.6/7.3	87.5	1	MCTFCE	\$1,233
5	1200	575	215TC	206	0056FTSC24A-P	5.84	87.5	1	MCTFCE	\$1,233

Totally Enclosed Fan Cooled C-Face Footless EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	230/460	213TC	175	Y752FTSA24A-P	18.8/9.4	88.5	1	MCTFCE	\$1,016
7.5	3600	575	213TC	175	Y752FTSC24A-P	7.52	88.5	1	MCTFCE	\$1,016
7.5	1800	230/460	213TC	179	Y754FTSA24A-P	18.9/9.45	89.5	1	MCTFCE	\$993
7.5	1800	575	213TC	179	Y754FTSC24A-P	7.6	89.5	1	MCTFCE	\$993
7.5	1200	230/460	254TC	310	Y756FTSA24A-P	20/10	89.5	1	MCTFCE	\$1,652
7.5	1200	575	254TC	310	Y756FTSC24A-P	8	89.5	1	MCTFCE	\$1,652
10	3600	230/460	215TC	195	0102FTSA24A-P	24/12	89.5	1	MCTFCE	\$1,183
10	3600	575	215TC	195	0102FTSC24A-P	9.6	89.5	1	MCTFCE	\$1,183
10	1800	230/460	215TC	201	0104FTSA24A-P	25.2/12.6	89.5	1	MCTFCE	\$1,203
10	1800	575	215TC	201	0104FTSC24A-P	10.1	89.5	1	MCTFCE	\$1,203
10	1200	230/460	256TC	315	0106FTSA24A-P	26.6/13.3	89.5	1	MCTFCE	\$2,100
10	1200	575	256TC	315	0106FTSC24A-P	10.6	89.5	1	MCTFCE	\$2,100
15	3600	230/460	254TC	290	0152FTSA24A-P	35.2/17.6	90.2	1	MCTFCE	\$1,640
15	3600	575	254TC	290	0152FTSC24A-P	14.1	90.2	1	MCTFCE	\$1,640
15	1800	230/460	254TC	280	0154FTSA24A-P	36.6/18.3	91.0	1	MCTFCE	\$1,640
15	1800	575	254TC	280	0154FTSC24A-P	14.6	91.0	1	MCTFCE	\$1,640
15	1200	230/460	284TC	425	0156FTSA24A-P	40/20	90.2	1	MCTFCE	\$2,835
15	1200	575	284TC	425	0156FTSC24A-P	16	90.2	1	MCTFCE	\$2,835
20	3600	230/460	256TC	340	0202FTSA24A-P	47/23.5	90.2	1	MCTFCE	\$2,151
20	3600	575	256TC	340	0202FTSC24A-P	18.8	90.2	1	MCTFCE	\$2,151
20	1800	230/460	256TC	327	0204FTSA24A-P	49.2/24.6	91.0	1	MCTFCE	\$1,999
20	1800	575	256TC	327	0204FTSC24A-P	19.7	91.0	1	MCTFCE	\$1,999
20	1200	230/460	286TC	427	0206FTSA24A-P	52/26	90.2	1	MCTFCE	\$3,373
20	1200	575	286TC	427	0206FTSC24A-P	20.5	90.2	1	MCTFCE	\$3,373
25	3600	230/460	284TSC	409	0252FTSA24B-P	59/29.5	91.0	1	MCTFCE	\$2,576
25	3600	575	284TSC	409	0252FTSC24B-P	23.6	91.0	1	MCTFCE	\$2,576
25	1800	230/460	284TC	427	0254FTSA24A-P	62/31	92.4	1	MCTFCE	\$2,417
25	1800	575	284TC	427	0254FTSC24A-P	24.8	92.4	1	MCTFCE	\$2,417
25	1200	230/460	324TC	593	0256FTSA24A-P	62/31	91.7	1	MCTFCE	\$4,099
25	1200	575	324TC	593	0256FTSC24A-P	24.8	91.7	1	MCTFCE	\$4,099
30	3600	230/460	286TSC	432	0302FTSA24B-P	70/35	91.0	1	MCTFCE	\$2,934
30	3600	575	286TSC	432	0302FTSC24B-P	28	91.0	1	MCTFCE	\$2,934
30	1800	230/460	286TC	495	0304FTSA24A-P	73/36.5	92.4	1	MCTFCE	\$2,934
30	1800	575	286TC	495	0304FTSC24A-P	29.2	92.4	1	MCTFCE	\$2,934
30	1200	230/460	326TC	593	0306FTSA24A-P	72/36	91.7	1	MCTFCE	\$4,875
30	1200	575	326TC	593	0306FTSC24A-P	28.8	91.7	1	MCTFCE	\$4,875
40	3600	230/460	324TSC	527	0402FTSA24B-P	96/48	91.7	1	MCTFCE	\$3,771
40	3600	575	324TSC	527	0402FTSC24B-P	38.4	91.7	1	MCTFCE	\$3,771
40	1800	230/460	324TC	593	0404FTSA24A-P	96/48	93.0	1	MCTFCE	\$3,731
40	1800	575	324TC	593	0404FTSC24A-P	38.4	93.0	1	MCTFCE	\$3,731
40	1200	230/460	364TC	714	0406FTSA24A-P	95.6/47.8	93.0	1	MCTFCE	\$6,387
40	1200	575	364TC	714	0406FTSC24A-P	38.2	93.0	1	MCTFCE	\$6,387
50	3600	230/460	326TSC	593	0502FTSA24B-P	120/60	92.4	1	MCTFCE	\$5,025
50	3600	575	326TSC	593	0502FTSC24B-P	48	92.4	1	MCTFCE	\$5,025
50	1800	230/460	326TC	634	0504FTSA24A-P	118/59	93.0	1	MCTFCE	\$4,767
50	1800	575	326TC	634	0504FTSC24A-P	47.2	93.0	1	MCTFCE	\$4,767
50	1200	230/460	365TC	662	0506FTSA24A-P	116/58	93.0	1	MCTFCE	\$7,473

Totally Enclosed Fan Cooled
C-Face Footless
EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
50	1200	575	365TC	662	0506FTSC24A-P	46.4	93.0	1	MCTFCE	\$7,473
60	3600	230/460	364TSC	774	0602FTSA24B-P	137/68.5	93.0	1	MCTFCE	\$7,163
60	3600	575	364TSC	774	0602FTSC24B-P	54.8	93.0	1	MCTFCE	\$7,163
60	1800	230/460	364TC	845	0604FTSA24A-P	144/72	93.6	1	MCTFCE	\$6,646
60	1800	575	364TC	845	0604FTSC24A-P	57.6	93.6	1	MCTFCE	\$6,646
75	3600	230/460	365TSC	793	0752FTSA24B-P	166/83	93.0	1	MCTFCE	\$8,626
75	3600	575	365TSC	793	0752FTSC24B-P	68	93.0	1	MCTFCE	\$8,626
75	1800	230/460	365TC	950	0754FTSA24A-P	178/89	94.1	1	MCTFCE	\$8,409
75	1800	575	365TC	950	0754FTSC24A-P	71.2	94.1	1	MCTFCE	\$8,409

The weights listed above are estimated.
Please contact Toshiba for information on product availability.

General Purpose CT Series



Totally Enclosed Explosion Proof Motors

Toshiba's general purpose CT, totally enclosed explosion proof, EPACT efficiency motors offer the performance and reliability the motor industry has come to expect from Toshiba, but at a very competitive price. These motors meet the UL and CSA Listed Hazardous Locations requirements and designed for use in Class I, Division 1, Group D, Class II, Division 1, Groups E, F, and G. All CT Explosion Proof motors carry a temperature code rating of T3C (160°C), are suitable for indoor and outdoor use, and meet the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.

Standard Features:

- Totally Enclosed Explosion Proof
- EPACT Efficiency
- 230/460 or 575 V
- Three-Phase
- 1.15 Service Factor
- 60 Hz
- NEMA Design B
- Class I, Division 1, Group D, Class II, Division 1, Groups E, F, & G
- T3C Temperature Code 160°C
- Class F Insulation
- Cast Iron Conduit Box
- Cast Iron Fan Cover
- Non-Sparking Brass Shaft Slingers
- IP55 Protection
- Normally Closed Thermostats
- Ball Bearings on All Motors
- UL Listed File No. E97127
- CSA Certified File No. 058484

Applications:

- Petrochemical & Gas
- Grain & Feed Mills
- Pharmaceuticals
- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- UL & CSA Listed Hazardous Locations

Warranty:

- From Date of Shipment: 24 Months

2 Year
Warranty



Totally Enclosed
Explosion Proof
EPACT Efficiency



The general purpose CT, totally enclosed explosion proof, EPACT efficiency motor series is designed to meet the UL and CSA Listed Hazardous Locations requirements. It is designed for use in Class I, Division 1, Group D, Class II, Division 1, Groups E, F, and G, and carries a temperature code rating of T3C (160°C). This product line is suitable for indoor and outdoor use and offers the performance, and reliability the motor industry has come to expect from Toshiba, all at a very competitive price.



Product Scope

Horsepower:	1 to 200 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460, 460, or 575 V
Enclosure:	Totally Enclosed Explosion Proof
Frame Size:	143T through 447T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.12 Inches/Second or Less
Insulation:	Class F

Product is available until inventory is depleted.

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	230/460	143T	79	0014XPEA21A-P	2.9/1.45	82.5	1, 10	MCTXPE	\$726
1	1800	575	143T	79	0014XPEC21A-P	1.16	82.5	1, 10	MCTXPE	\$726
1	1200	230/460	145T	90	0016XPEA21A-P	3.4/1.7	80.0	1, 10	MCTXPE	\$840
1	1200	575	145T	90	0016XPEC21A-P	1.4	80.0	1, 10	MCTXPE	\$840
1.5	3600	230/460	143T	83	Y152XPEA21A-P	4.0/2.0	82.5	1, 10	MCTXPE	\$826
1.5	3600	575	143T	83	Y152XPEC21A-P	1.8	82.5	1, 10	MCTXPE	\$826
1.5	1800	230/460	145T	88	Y154XPEA21A-P	4.2/2.1	84.0	1, 10	MCTXPE	\$816
1.5	1800	575	145T	88	Y154XPEC21A-P	1.7	84.0	1, 10	MCTXPE	\$816
1.5	1200	230/460	182T	142	Y156XPEA21A-P	4.6/2.3	85.5	1, 10	MCTXPE	\$911
1.5	1200	575	182T	142	Y156XPEC21A-P	1.84	85.5	1, 10	MCTXPE	\$911
2	3600	230/460	145T	94	0022XPEA21A-P	6.0/3.0	84.0	1, 10	MCTXPE	\$854
2	3600	575	145T	94	0022XPSC21A-P	2.1	84.0	1, 10	MCTXPE	\$854
2	1800	230/460	145T	90	0024XPEA21A-P	5.6/2.8	84.0	1, 10	MCTXPE	\$822
2	1800	575	145T	90	0024XPSC21A-P	2.2	84.0	1, 10	MCTXPE	\$822
2	1200	230/460	184T	164	0026XPEA21A-P	6.2/3.1	86.5	1, 10	MCTXPE	\$1,053
2	1200	575	184T	164	0026XPSC21A-P	2.48	86.5	1, 10	MCTXPE	\$1,053
3	3600	230/460	182T	135	0032XPEA21A-P	7.2/3.6	85.5	1, 10	MCTXPE	\$985
3	3600	575	182T	135	0032XPEC21A-P	2.88	85.5	1, 10	MCTXPE	\$985
3	1800	230/460	182T	140	0034XPEA21A-P	8.0/4.0	87.5	1, 10	MCTXPE	\$989
3	1800	575	182T	140	0034XPEC21A-P	3.2	87.5	1, 10	MCTXPE	\$989
3	1200	230/460	213T	236	0036XPEA21A-P	8.9/4.45	87.5	1, 10	MCTXPE	\$1,332
3	1200	575	213T	236	0036XPEC21A-P	3.6	87.5	1, 10	MCTXPE	\$1,332

Totally Enclosed Explosion Proof EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
5	3600	230/460	184T	151	0052XPEA21A-P	11.8/5.9	87.5	1, 10	MCTXPE	\$1,216
5	3600	575	184T	151	0052XPEC21A-P	4.72	87.5	1, 10	MCTXPE	\$1,216
5	1800	230/460	184T	162	0054XPEA21A-P	12.8/6.4	87.5	1, 10	MCTXPE	\$1,145
5	1800	575	184T	162	0054XPEC21A-P	5.12	87.5	1, 10	MCTXPE	\$1,145
5	1200	230/460	215T	281	0056XPEA21A-P	14.6/7.3	87.5	1, 10	MCTXPE	\$1,715
5	1200	575	215T	281	0056XPEC21A-P	5.84	87.5	1, 10	MCTXPE	\$1,715
7.5	3600	230/460	213T	256	Y752XPEA21A-P	18.8/9.4	88.5	1, 10	MCTXPE	\$1,647
7.5	3600	575	213T	256	Y752XPEC21A-P	7.52	88.5	1, 10	MCTXPE	\$1,647
7.5	1800	230/460	213T	246	Y754XPEA21A-P	18.9/9.45	89.5	1, 10	MCTXPE	\$1,611
7.5	1800	575	213T	246	Y754XPEC21A-P	7.6	89.5	1, 10	MCTXPE	\$1,611
7.5	1200	230/460	254T	356	Y756XPEA21A-P	20/10	89.5	1, 10	MCTXPE	\$2,239
7.5	1200	575	254T	356	Y756XPEC21A-P	8	89.5	1, 10	MCTXPE	\$2,239
10	3600	230/460	215T	267	0102XPEA21A-P	24/12	89.5	1, 10	MCTXPE	\$1,735
10	3600	575	215T	267	0102XPEC21A-P	9.6	89.5	1, 10	MCTXPE	\$1,735
10	1800	230/460	215T	279	0104XPEA21A-P	25.2/12.6	89.5	1, 10	MCTXPE	\$1,878
10	1800	575	215T	279	0104XPEC21A-P	10.1	89.5	1, 10	MCTXPE	\$1,878
10	1200	230/460	256T	428	0106XPEA21A-P	26.6/13.3	89.5	1, 10	MCTXPE	\$2,743
10	1200	575	256T	428	0106XPEC21A-P	10.6	89.5	1, 10	MCTXPE	\$2,743
15	3600	230/460	254T	401	0152XPEA21A-P	35.2/17.6	90.2	1, 10	MCTXPE	\$2,257
15	3600	575	254T	401	0152XPEC21A-P	14.1	90.2	1, 10	MCTXPE	\$2,257
15	1800	230/460	254T	383	0154XPEA21A-P	36.6/18.3	91.0	1, 10	MCTXPE	\$2,578
15	1800	575	254T	383	0154XPEC21A-P	14.6	91.0	1, 10	MCTXPE	\$2,578
15	1200	230/460	284T	557	0156XPEA21A-P	40/20	90.2	1, 10	MCTXPE	\$3,744
15	1200	575	284T	557	0156XPEC21A-P	16	90.2	1, 10	MCTXPE	\$3,744
20	3600	230/460	256T	454	0202XPEA21A-P	47/23.5	90.2	1, 10	MCTXPE	\$3,042
20	3600	575	256T	454	0202XPEC21A-P	18.8	90.2	1, 10	MCTXPE	\$3,042
20	1800	230/460	256T	421	0204XPEA21A-P	49.2/24.6	91.0	1, 10	MCTXPE	\$3,017
20	1800	575	256T	421	0204XPEC21A-P	19.7	91.0	1, 10	MCTXPE	\$3,017
20	1200	230/460	286T	615	0206XPEA21A-P	52/26	90.2	1, 10	MCTXPE	\$4,442
20	1200	575	286T	615	0206XPEC21A-P	20.5	90.2	1, 10	MCTXPE	\$4,442
25	3600	230/460	284TS	587	0252XPEA21B-P	59/29.5	91.0	1, 10	MCTXPE	\$3,740
25	3600	575	284TS	587	0252XPEC21B-P	23.6	91.0	1, 10	MCTXPE	\$3,740
25	1800	230/460	284T	595	0254XPEA21A-P	62/31	92.4	1, 10	MCTXPE	\$3,874
25	1800	575	284T	595	0254XPEC21A-P	24.8	92.4	1, 10	MCTXPE	\$3,874
25	1200	230/460	324T	770	0256XPEA21A-P	62/31	91.7	1, 10	MCTXPE	\$5,315
25	1200	575	324T	770	0256XPEC21A-P	24.8	91.7	1, 10	MCTXPE	\$5,315
30	3600	230/460	286TS	624	0302XPEA21B-P	70/35	91.0	1, 10	MCTXPE	\$4,207
30	3600	575	286TS	624	0302XPEC21B-P	28	91.0	1, 10	MCTXPE	\$4,207
30	1800	230/460	286T	617	0304XPEA21A-P	73/36.5	92.4	1, 10	MCTXPE	\$4,197
30	1800	575	286T	617	0304XPEC21A-P	29.2	92.4	1, 10	MCTXPE	\$4,197
30	1200	230/460	326T	842	0306XPEA21A-P	72/36	91.7	1, 10	MCTXPE	\$6,367
30	1200	575	326T	842	0306XPEC21A-P	28.8	91.7	1, 10	MCTXPE	\$6,367
40	3600	230/460	324TS	809	0402XPEA21B-P	96/48	91.7	1, 10	MCTXPE	\$5,933
40	3600	575	324TS	809	0402XPEC21B-P	38.4	91.7	1, 10	MCTXPE	\$5,933
40	1800	230/460	324T	807	0404XPEA21A-P	96/48	93.0	1, 10	MCTXPE	\$5,941
40	1800	575	324T	807	0404XPEC21A-P	38.4	93.0	1, 10	MCTXPE	\$5,941
40	1200	230/460	364T	1011	0406XPEA21A-P	95.6/47.8	93.0	1, 10	MCTXPE	\$8,371
40	1200	575	364T	1011	0406XPEC21A-P	38.2	93.0	1, 10	MCTXPE	\$8,371

Totally Enclosed

Explosion Proof

EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
50	3600	230/460	326TS	872	0502XPEA21B-P	120/60	92.4	1, 10	MCTXPE	\$7,440
50	3600	575	326TS	872	0502XPEC21B-P	48	92.4	1, 10	MCTXPE	\$7,440
50	1800	230/460	326T	892	0504XPEA21A-P	118/59	93.0	1, 10	MCTXPE	\$6,874
50	1800	575	326T	892	0504XPEC21A-P	47.2	93.0	1, 10	MCTXPE	\$6,874
50	1200	230/460	365T	1127	0506XPEA21A-P	116/58	93.0	1, 10	MCTXPE	\$8,451
50	1200	575	365T	1127	0506XPEC21A-P	46.4	93.0	1, 10	MCTXPE	\$8,451
60	3600	230/460	364TS	1082	0602XPEA21B-P	137/68.5	93.0	1, 10	MCTXPE	\$8,813
60	3600	575	364TS	1082	0602XPEC21B-P	54.8	93.0	1, 10	MCTXPE	\$8,813
60	1800	230/460	364T	1123	0604XPEA21A-P	144/72	93.6	1, 10	MCTXPE	\$8,789
60	1800	575	364T	1123	0604XPEC21A-P	57.6	93.6	1, 10	MCTXPE	\$8,789
60	1200	230/460	404T	1428	0606XPEA21A-P	140/70	93.6	1, 10	MCTXPE	\$12,258
60	1200	575	404T	1428	0606XPEC21A-P	56	93.6	1, 10	MCTXPE	\$12,258
75	3600	230/460	365TS	1168	0752XPEA21B-P	166/83	93.0	1, 10	MCTXPE	\$10,486
75	3600	575	365TS	1168	0752XPEC21B-P	68	93.0	1, 10	MCTXPE	\$10,486
75	1800	230/460	365T	1214	0754XPEA21A-P	178/89	94.1	1, 10	MCTXPE	\$10,300
75	1800	575	365T	1214	0754XPEC21A-P	71.2	94.1	1, 10	MCTXPE	\$10,300
75	1200	230/460	405T	1690	0756XPEA21A-P	174/87	93.6	1, 10	MCTXPE	\$14,399
75	1200	575	405T	1690	0756XPEC21A-P	69.6	93.6	1, 10	MCTXPE	\$14,399
100	3600	230/460	405TS	1674	1002XPEA21B-P	230/115	93.6	1, 10	MCTXPE	\$16,239
100	3600	575	405TS	1674	1002XPEC21B-P	92	93.6	1, 10	MCTXPE	\$16,239
100	1800	230/460	405T	1689	1004XPEA21A-P	242/121	94.5	1, 10	MCTXPE	\$13,996
100	1800	575	405T	1689	1004XPEC21A-P	96.8	94.5	1, 10	MCTXPE	\$13,996
100	1200	230/460	444T	2175	1006XPEA21A-P	244/122	94.1	1, 10	MCTXPE	\$19,038
100	1200	575	444T	2175	1006XPEC21A-P	97.6	94.1	1, 10	MCTXPE	\$19,038
125	3600	230/460	444TS	2194	1252XPEA21B-P	292/146	94.5	1, 10	MCTXPE	\$21,593
125	3600	575	444TS	2194	1252XPEC21B-P	117	94.5	1, 10	MCTXPE	\$21,593
125	1800	230/460	444T	2234	1254XPEA21A-P	290/145	94.5	1, 10	MCTXPE	\$19,490
125	1800	575	444T	2234	1254XPEC21A-P	116	94.5	1, 10	MCTXPE	\$19,490
125	1200	230/460	445T	2546	1256XPEA21A-P	302/151	94.1	1, 10	MCTXPE	\$24,637
125	1200	575	445T	2546	1256XPEC21A-P	121	94.1	1, 10	MCTXPE	\$24,637
150	3600	230/460	445TS	2291	1502XPEA21B-P	346/173	94.5	1, 10	MCTXPE	\$24,366
150	3600	575	445TS	2291	1502XPEC21B-P	138	94.5	1, 10	MCTXPE	\$24,366
150	1800	230/460	445T	2470	1504XPEA21A-P	338/169	95.0	1, 10	MCTXPE	\$23,248
150	1800	575	445T	2470	1504XPEC21A-P	135	95.0	1, 10	MCTXPE	\$23,248
150	1200	460	447T	3022	1506XPEB21A-P	358/179	95.0	1, 10	MCTXPE	\$27,356
150	1200	575	447T	3022	1506XPEC21A-P	143	95.0	1, 10	MCTXPE	\$27,356
200	3600	460	447TSS	2990	2002XPEB21B-P	456/228	95.0	1, 10	MCTXPE	\$28,062
200	3600	575	447TSS	2990	2002XPEC21B-P	182	95.0	1, 10	MCTXPE	\$28,062
200	1800	460	447T	3141	2004XPEB21A-P	452/226	95.0	1, 10	MCTXPE	\$26,473
200	1800	575	447T	3141	2004XPEC21A-P	180	95.0	1, 10	MCTXPE	\$26,473

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

General Purpose XT Series

Open Drip Proof Motors

XT

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

Stock Modifications

Production Modifications

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Appendices

Toshiba's general purpose XT, open drip proof motors are designed to meet the industry's ever-increasing need for improved energy conservation and product reliability. These motors offer some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. It is recommended for indoor use. Our general purpose, XT open drip proof motors are available in High Efficiency, EPACT Efficiency, and our NEMA Premium® Efficiency motor option, the EQPIII.

Standard Features:

- Open Drip Proof
- High, EPACT, & NEMA Premium® Efficiency
- 230/460, 460, or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Class F Insulation
- Inverter Duty- Exceeds Insulation Requirements on NEMA MG1 Part 31
- Stamped Steel Conduit Box
- Cast Iron Frame
- Cast Iron Brackets
- Ball Bearing 143T through 405T
- Roller Bearing on All 444T & Above, 4 & 6-Pole
- Polyurea Base Grease
- 304 Stainless Steel Nameplate

3 Year Warranty

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- General Applications

Warranty:

High/EPACT

- From Date of Shipment: 24 Months

Premium

- From Date of Shipment: 36 Months



Open Drip Proof

High Efficiency



Toshiba’s general purpose XT, open drip proof, High Efficiency motor series is designed to meet the industry’s ever-increasing need for improved energy conservation and product reliability. This product line offers a high torque and low vibration design leading to longer life and greater reliability.



Product Scope

Horsepower:	250 to 800 HP
Speed:	3600, 1800, or 1200 RPM (250 to 800 HP) 900 RPM (250 to 500 HP)
Voltage:	230/460, 460, or 575 V
Enclosure:	Open Drip Proof
Frame Size:	143T through 5810US
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
250	3600	230/460	445TS	1517	B2502VLG3UM	570/285	94.1	10	MXTDPS	\$23,482
250	3600	575	445TS	1517	B2502VLG3OS	228	94.1	10	MXTDPS	\$23,482
250	1800	460	447TS	1721	B2504VLG3BM	285	93.6	10	MXTDPS	\$20,746
250	1800	575	447TS	1721	B2504VLG3OM	228	93.6	10	MXTDPS	\$20,746
250	1800	460	447T	1721	B2504VLF4BM	285	93.6	2, 10	MXTDPS	\$20,746
250	1800	575	447T	1721	B2504VLF4OM	228	93.6	2, 10	MXTDPS	\$20,746
250	1200	460	449T	2575	B2506VLF4BME	302	95.0	2, 10	MXTDPS	\$22,964
250	1200	575	449T	2500	B2506VLF4OME	235	95.0	2, 10	MXTDPS	\$22,964
250	1200	460	505US	2072	B2506VLG3BM	309	94.1	10	MXTDPS	\$24,620
250	1200	575	505US	2072	B2506VLG3OM	247	94.1	10	MXTDPS	\$24,620
250	1200	460	505UZ	2072	B2506VLF4BM	309	94.1	2, 10	MXTDPS	\$27,901
250	1200	575	505UZ	2072	B2506VLF4OM	247	94.1	2, 10	MXTDPS	\$27,901
250	900	460	507US	2675	B2508VLG3BM	309	93.6		MXTDPS	\$33,464
250	900	575	507US	2675	B2508VLG3OM	247	93.6		MXTDPS	\$33,464
250	900	460	507UZ	2675	B2508VLF4BD	309	93.6	2	MXTDPS	\$36,745
250	900	575	507UZ	2675	B2508VLF4OD	247	93.6	2	MXTDPS	\$36,745
300	3600	460	445TS	1639	B3002VLG3BM	340	94.5	10	MXTDPS	\$27,577
300	3600	575	445TS	1639	B3002VLG3OM	272	94.5	10	MXTDPS	\$27,577
300	1800	460	447TS	1770	B3004VLG3BM	340	94.5	10	MXTDPS	\$23,014
300	1800	575	447TS	1770	B3004VLG3OM	272	94.5	10	MXTDPS	\$23,014
300	1800	460	447T	1770	B3004VLF4BM	340	94.5	2, 10	MXTDPS	\$23,014
300	1800	575	447T	1770	B3004VLF4OM	272	94.5	2, 10	MXTDPS	\$23,014
300	1200	460	449TS	2510	B3006VKG3BME	358	95.4	10	MXTDPS	\$26,667
300	1200	575	449TS	2510	B3006VKG3OME	285	95.4	10	MXTDPS	\$26,667
300	1200	460	449T	2575	B3006VKF4BME	358	95.4	2, 10	MXTDPS	\$26,667
300	1200	575	449T	2510	B3006VKF4OME	285	95.4	2, 10	MXTDPS	\$26,667

Open Drip Proof High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
300	1200	460	507US	2474	B3006VLG3BM	360	95.0	10	MXTDPS	\$28,590
300	1200	575	507US	2474	B3006VLG3OM	288	95.0	10	MXTDPS	\$28,590
300	1200	460	507UZ	2474	B3006VLF4BM	360	95.0	2, 10	MXTDPS	\$31,871
300	1200	575	507UZ	2474	B3006VLF4OM	288	95.0	2, 10	MXTDPS	\$31,871
300	900	460	509US	3250	F3008VLG3BM	368	94.1		MXTDPS	\$36,458
300	900	575	509US	3250	F3008VLG3OM	295	94.1		MXTDPS	\$36,458
300	900	460	509UZ	3250	F3008VLF4BM	368	94.1	2	MXTDPS	\$39,739
300	900	575	509UZ	3250	F3008VLF4OM	295	94.1	2	MXTDPS	\$39,739
350	3600	460	447TS	1864	B3502VLG3BM	390	94.5	10	MXTDPS	\$31,587
350	3600	575	447TS	1864	B3502VLG3OM	312	94.5	10	MXTDPS	\$31,587
350	1800	460	449TS	2695	B3504VLG3BME	283	95.0	10	MXTDPS	\$25,401
350	1800	575	449TS	2695	B3504VLG3OME	296	95.0	10	MXTDPS	\$25,401
350	1800	460	449T	2520	B3504VLF4BME	382	95.0	2, 10	MXTDPS	\$25,401
350	1800	575	449T	2520	B3504VLF4OME	296	95.0	2, 10	MXTDPS	\$25,401
350	1800	460	505US	2054	B3504VLG3BM	395	94.1	10	MXTDPS	\$27,234
350	1800	575	505US	2054	B3504VLG3OM	316	94.1	10	MXTDPS	\$27,234
350	1800	460	505UZ	2054	B3504VLF4BM	395	94.1	2, 10	MXTDPS	\$30,515
350	1800	575	505UZ	2054	B3504VLF4OM	316	94.1	2, 10	MXTDPS	\$30,515
350	1200	460	509US		B3506VLG3BM	406	95.0	10	MXTDPS	\$29,306
350	1200	575	509US		B3506VLG3OM	325	95.0	10	MXTDPS	\$29,306
350	1200	460	509UZ		B3506VLF4BM	406	95.0	2, 10	MXTDPS	\$32,587
350	1200	575	509UZ		B3506VLF4OM	325	95.0	2, 10	MXTDPS	\$32,587
350	900	460	509US		F3508VLG3BM	435	94.1		MXTDPS	\$42,534
350	900	575	509US		F3508VLG3OM	348	94.1		MXTDPS	\$42,534
350	900	460	509UZ		F3508VLF4BM	435	94.1	2	MXTDPS	\$45,816
350	900	575	509UZ		F3508VLF4OM	348	94.1	2	MXTDPS	\$45,816
400	3600	460	447TS	2003	B4002VLG3BM	445	94.5	10	MXTDPS	\$35,942
400	3600	575	447TS	2003	B4002VLG3OM	356	94.5	10	MXTDPS	\$35,942
400	1800	460	449TS	2785	B4004VLG3BME	436	95.0	10	MXTDPS	\$26,956
400	1800	575	449TS	2785	B4004VLG3OME	339	95.0	10	MXTDPS	\$26,956
400	1800	460	449T	2785	B4004VLF4BME	436	95.0	2, 10	MXTDPS	\$26,956
400	1800	575	449T	2785	B4004VLF4OME	339	95.0	2, 10	MXTDPS	\$26,956
400	1800	460	505US	2171	B4004VLG3BM	450	95.0	10	MXTDPS	\$28,901
400	1800	575	505US	2171	B4004VLG3OM	360	95.0	10	MXTDPS	\$28,901
400	1800	460	505UZ	2171	B4004VLF4BM	450	95.0	2, 10	MXTDPS	\$32,182
400	1800	575	505UZ	2171	B4004VLF4OM	360	95.0	2, 10	MXTDPS	\$32,182
400	1200	460	509US		F4006VLG3BM	464	95.0		MXTDPS	\$43,750
400	1200	575	509US		F4006VLG3OM	371	95.0		MXTDPS	\$43,750
400	1200	460	509UZ		F4006VLF4BM	464	95.0	2	MXTDPS	\$47,031
400	1200	575	509UZ		F4006VLF4OM	371	95.0	2	MXTDPS	\$47,031
400	900	460	5810US		F4008VLG3BM	577	94.1		MXTDPS	\$48,611
400	900	575	5810US		F4008VLG3OM	462	94.1		MXTDPS	\$48,611
400	900	460	5810UZ		F4008VLF4BM	577	94.1	2	MXTDPS	\$51,892
400	900	575	5810UZ		F4008VLF4OM	462	94.1	2	MXTDPS	\$51,892
450	3600	460	449TS	2440	B4502VLG3BME	498	95.4	10	MXTDPS	\$36,645
450	3600	575	449TS	2440	B4502VLG3OME	394	95.0	10	MXTDPS	\$36,645
450	3600	460	505USS	2156	B4502VLG3BM	505	94.5	10	MXTDPS	\$39,287

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

Stock Modifications

Production Modifications

Spare Parts

Model No. Index

Appendices

Open Drip Proof
High Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
450	3600	575	505USS	2156	B4502VLG3OM	404	94.5	10	MXTDPS	\$39,287
450	1800	460	449TS	2710	B4504VKG3BME	497	95.4	10	MXTDPS	\$28,201
450	1800	575	449TS	2710	B4504VKG3OME	387	95.4	10	MXTDPS	\$28,201
450	1800	460	449T	2710	B4504VKF4BME	497	95.4	2, 10	MXTDPS	\$28,201
450	1800	575	449T	2710	B4504VKF4OME	387	95.4	2, 10	MXTDPS	\$28,201
450	1800	460	507US		B4504VLG3BM	490	94.5	10	MXTDPS	\$32,443
450	1800	575	507US		B4504VLG3OM	392	94.5	10	MXTDPS	\$32,443
450	1800	460	507UZ	2171	B4504VLF4BM	490	94.5	2, 10	MXTDPS	\$35,724
450	1800	575	507UZ	2171	B4504VLF4OM	392	94.5	2, 10	MXTDPS	\$35,724
450	1200	460	509US		F4506VLG3BM	523	95.4		MXTDPS	\$49,218
450	1200	575	509US		F4506VLG3OM	418	95.4		MXTDPS	\$49,218
450	1200	460	509UZ		F4506VLF4BM	523	95.4	2	MXTDPS	\$52,500
450	1200	575	509UZ		F4506VLF4OM	418	95.4	2	MXTDPS	\$52,500
450	900	460	5810US		F4508VLG3BM	649	94.1		MXTDPS	\$54,687
450	900	575	5810US		F4508VLG3OM	519	94.1		MXTDPS	\$54,687
450	900	460	5810UZ		F4508VLF4BM	649	94.1	2	MXTDPS	\$57,968
450	900	575	5810UZ		F4508VLF4OM	519	94.1	2	MXTDPS	\$57,968
500	3600	460	449TS	2575	B5002VLG3BME	557	95.0	10	MXTDPS	\$39,836
500	3600	575	449TS	2575	B5002VLG3OME	432	95.0	10	MXTDPS	\$39,836
500	3600	460	505USS	2256	B5002VLG3BM	560	94.5	10	MXTDPS	\$42,711
500	3600	575	505USS	2256	B5002VLG3OM	448	94.5	10	MXTDPS	\$42,711
500	1800	460	449TS	2575	B5004VKG3BME	558	95.4	10	MXTDPS	\$39,167
500	1800	575	449TS	2575	B5004VKG3OME	443	95.4	10	MXTDPS	\$39,167
500	1800	460	449T	2575	B5004VKF4BME	558	95.4	2, 10	MXTDPS	\$39,167
500	1800	575	449T	2575	B5004VKF4OME	443	95.4	2, 10	MXTDPS	\$39,167
500	1800	460	509US	3100	B5004VLG3BM	545	95.0	10	MXTDPS	\$43,085
500	1800	575	509US	3100	B5004VLG3OM	436	95.0	10	MXTDPS	\$43,085
500	1800	460	509UZ	3200	B5004VLF4BM	545	95.0	2, 10	MXTDPS	\$46,366
500	1800	575	509UZ	3200	B5004VLF4OM	436	95.0	2, 10	MXTDPS	\$46,366
500	1200	460	5810US		F5006VLG3BM	683	95.8		MXTDPS	\$54,687
500	1200	575	5810US		F5006VLG3OM	546	95.8		MXTDPS	\$54,687
500	1200	460	5810UZ		F5006VLF4BM	683	95.8	2	MXTDPS	\$57,968
500	1200	575	5810UZ		F5006VLF4OM	546	95.8	2	MXTDPS	\$57,968
500	900	460	5810US		F5008VLG3BM	701	94.1		MXTDPS	\$60,764
500	900	575	5810US		F5008VLG3OM	561	94.1		MXTDPS	\$60,764
500	900	460	5810UZ		F5008VLF4BM	701	94.1	2	MXTDPS	\$64,045
500	900	575	5810UZ		F5008VLF4OM	561	94.1	2	MXTDPS	\$64,045
600	3600	460	449TS	2686	B6002VKG3BME	675	95.0		MXTDPS	\$54,372
600	3600	575	449TS	2686	B6002VKG3OME	432	95.0		MXTDPS	\$54,372
600	3600	460	507USS	2722	F6002VLG3BM	665	94.1		MXTDPS	\$59,692
600	3600	575	507USS	2722	F6002VLG3OM	532	94.1		MXTDPS	\$59,692
600	1800	460	509US		F6004VLG3BM	651	95.4		MXTDPS	\$51,041
600	1800	575	509US		F6004VLG3OM	521	95.4		MXTDPS	\$51,041
600	1800	460	509UZ		F6004VLF4BM	651	95.4	2	MXTDPS	\$54,323
600	1800	575	509UZ		F6004VLF4OM	521	95.4	2	MXTDPS	\$54,323
600	1200	460	5810US		F6006VLG3BM	866	95.4		MXTDPS	\$65,625
600	1200	575	5810US		F6006VLG3OM	693	95.4		MXTDPS	\$65,625

Open Drip Proof High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
600	1200	460	5810UZ		F6006VLF4BM	866	95.4	2	MXTDPS	\$68,906
600	1200	575	5810UZ		F6006VLF4OM	693	95.4	2	MXTDPS	\$68,906
700	3600	460	507USS		F7002VKG3BM	770	94.1	3	MXTDPS	\$63,802
700	3600	575	507USS		F7002VKG3OM	616	94.1	3	MXTDPS	\$63,802
700	3600	460	509USS		F7003VLG3BM	756	96.0	4	MXTDPS	\$63,802
700	3600	575	509USS		F7003VLG3OM	611	96.0	4	MXTDPS	\$63,802
700	3600	460	509USS		F7001VLG3BM	756	96.0	5	MXTDPS	\$63,802
700	3600	575	509USS		F7001VLG3OM	611	96.0	5	MXTDPS	\$63,802
700	1800	460	5810US		F7004VLG3BM	852	95.4		MXTDPS	\$59,548
700	1800	575	5810US		F7004VLG3OM	682	95.4		MXTDPS	\$59,548
700	1800	460	5810UZ		F7004VLF4BM	852	95.4	2	MXTDPS	\$62,829
700	1800	575	5810UZ		F7004VLF4OM	682	95.4	2	MXTDPS	\$62,829
700	1200	460	5810US		F7006VKG3BM	991	95.8	3	MXTDPS	\$76,562
700	1200	575	5810US		F7006VKG3OM	793	95.8	3	MXTDPS	\$76,562
700	1200	460	5810UZ		F7006VKF4BM	991	95.8	2, 3	MXTDPS	\$79,843
700	1200	575	5810UZ		F7006VKF4OM	793	95.8	2, 3	MXTDPS	\$79,843
800	3600	460	509USS		F8003VLG3BM	882	95.8	4	MXTDPS	\$72,916
800	3600	575	509USS		F8003VLG3OM	706	95.8	4	MXTDPS	\$72,916
800	3600	460	509USS		F8001VLG3BM	882	95.8	5	MXTDPS	\$72,916
800	3600	575	509USS		F8001VLG3OM	706	95.8	5	MXTDPS	\$72,916
800	1800	460	5810US		F8004VLG3BM	969	95.4		MXTDPS	\$68,055
800	1800	575	5810US		F8004VLG3OM	775	95.4		MXTDPS	\$68,055
800	1800	460	5810UZ		F8004VLF4BM	969	95.4	2	MXTDPS	\$71,336
800	1800	575	5810UZ		F8004VLF4OM	775	95.4	2	MXTDPS	\$71,336

The weights listed above are estimated.
Please contact Toshiba for information on product availability.

LV General Purpose CT
LV General Purpose XT
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Appendices

Open Drip Proof

EPACT Efficiency



Toshiba’s general purpose XT, open drip proof, EPACT Efficiency motor series is designed to meet the industry’s ever-increasing need for improved energy conservation and product reliability. It offers a high torque and low vibration design leading to longer life and greater reliability. This product line also meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.

XT

Product Scope

Horsepower:	3/4 to 500 HP
Speed:	3600, 1800, or 1200 RPM (250 to 500 HP) 900 RPM (3/4 to 200 HP)
Voltage:	230/460, 460 or 575 V
Enclosure:	Open Drip Proof
Frame Size:	143T through 509US
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	900	230/460	145T		3/48DPSA21A		74.0		MXTDPE	\$924
0.75	900	575	145T		3/48DPSC21A		74.0		MXTDPE	\$924
1	900	230/460	182T		0018DPSA21A		74.0		MXTDPE	\$1,036
1	900	575	182T		0018DPSC21A		74.0		MXTDPE	\$1,036
1.5	900	230/460	184T		Y158DPSA21A		75.5		MXTDPE	\$1,255
1.5	900	575	184T		Y158DPSC21A		75.5		MXTDPE	\$1,255
2	900	230/460	213T		0028DPSA21A		85.5		MXTDPE	\$1,519
2	900	575	213T		0028DPSC21A		85.5		MXTDPE	\$1,519
3	900	230/460	215T		0038DPSA21A		86.5		MXTDPE	\$1,896
3	900	575	215T		0038DPSC21A		86.5		MXTDPE	\$1,896
5	900	230/460	254T		0058DPSA21A		87.5		MXTDPE	\$2,621
5	900	575	254T		0058DPSC21A		87.5		MXTDPE	\$2,621
7.5	900	230/460	256T		Y758DPSA21A		88.5		MXTDPE	\$3,335
7.5	900	575	256T		Y758DPSC21A		88.5		MXTDPE	\$3,335
10	900	230/460	284T		0108DPSA21A		89.5		MXTDPE	\$3,956
10	900	575	284T		0108DPSC21A		89.5		MXTDPE	\$3,956
15	900	230/460	286T		0158DPSA21A		89.5		MXTDPE	\$5,199
15	900	575	286T		0158DPSC21A		89.5		MXTDPE	\$5,199
20	900	230/460	324T		0208DPSA21A		90.2		MXTDPE	\$6,263
20	900	575	324T		0208DPSC21A		90.2		MXTDPE	\$6,263
25	900	230/460	326T		0258DPSA21A		90.2		MXTDPE	\$7,418
25	900	575	326T		0258DPSC21A		90.2		MXTDPE	\$7,418
30	900	230/460	364T		0308DPSA21A		91.0		MXTDPE	\$8,415
30	900	575	364T		0308DPSC21A		91.0		MXTDPE	\$8,415
40	900	230/460	365T		0408DPSA21A		91.0		MXTDPE	\$10,421
40	900	575	365T		0408DPSC21A		91.0		MXTDPE	\$10,421

Open Drip Proof EPACT Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
50	900	230/460	404T		0508DPSA21A		91.7		MXTDPE	\$12,419
50	900	575	404T		0508DPSC21A		91.7		MXTDPE	\$12,419
60	900	230/460	405T		0608DPSA21A		92.4		MXTDPE	\$14,397
60	900	575	405T		0608DPSC21A		92.4		MXTDPE	\$14,397
75	900	230/460	444T		0758DPSA21A-R		93.6	2	MXTDPE	\$17,244
75	900	575	444T		0758DPSC21A-R		93.6	2	MXTDPE	\$17,244
100	900	230/460	445T		1008DPSA21A-R		93.6	2	MXTDPE	\$21,807
100	900	575	445T		1008DPSC21A-R		93.6	2	MXTDPE	\$21,807
125	900	460	445TS		1258DPSA21B		93.6		MXTDPE	\$23,302
125	900	575	445TS		1258DPSC21B		93.6		MXTDPE	\$23,302
125	900	460	445TZ		1258DPSA21A-R		93.6	2	MXTDPE	\$25,691
125	900	575	445TZ		1258DPSC21A-R		93.6	2	MXTDPE	\$25,691
150	900	460	447TS		1508DPSA21B		93.6		MXTDPE	\$29,637
150	900	575	447TS		1508DPSC21B		93.6		MXTDPE	\$29,637
150	900	460	447TZ		1508DPSA21D-R		93.6	2	MXTDPE	\$31,100
150	900	575	447TZ		1508DPSC21D-R		93.6	2	MXTDPE	\$31,100
200	900	460	505US		2008DPSA21E		93.6		MXTDPE	\$31,631
200	900	575	505US		2008DPSC21E		93.6		MXTDPE	\$31,631
200	900	460	505UZ		2008DPSA21G-R		93.6	2	MXTDPE	\$35,733
200	900	575	505UZ		2008DPSC21G-R		93.6	2	MXTDPE	\$35,733
250	3600	230/460	445TS		2502DPAB21B		94.5		MXTDPE	\$24,834
250	3600	575	445TS		2502DPAC21B		94.5		MXTDPE	\$24,834
250	1800	460	447T		2504DPAB21A		95.4	8	MXTDPE	\$22,520
250	1800	575	447T		2504DPAC21A		95.4	8	MXTDPE	\$22,520
250	1800	460	447T		2504DPAB21A-R		95.4	2	MXTDPE	\$23,219
250	1800	575	447T		2504DPAC21A-R		95.4	2	MXTDPE	\$23,219
250	1200	460	505US		2506DPAB21E		95.4		MXTDPE	\$28,718
250	1200	575	505US		2506DPAC21E		95.4		MXTDPE	\$28,718
250	1200	460	505UZ		2506DPAB21G-R		95.4	2	MXTDPE	\$31,608
250	1200	575	505UZ		2506DPAC21G-R		95.4	2	MXTDPE	\$31,608
300	3600	460	445TS		3002DPAB21B		95.0		MXTDPE	\$32,327
300	3600	575	445TS		3002DPAC21B		95.0		MXTDPE	\$32,327
300	1800	460	447T		3004DPAB21A		95.4	8	MXTDPE	\$25,408
300	1800	575	447T		3004DPAC21A		95.4	8	MXTDPE	\$25,408
300	1800	460	447T		3004DPAB21A-R		95.4	2	MXTDPE	\$26,861
300	1800	575	447T		3004DPAC21A-R		95.4	2	MXTDPE	\$26,861
300	1200	460	509US		3006DPAB21E		95.4		MXTDPE	\$36,243
300	1200	575	509US		3006DPAC21E		95.4		MXTDPE	\$36,243
300	1200	460	509UZ		3006DPAB21G-R		95.4	2	MXTDPE	\$39,133
300	1200	575	509UZ		3006DPAC21G-R		95.4	2	MXTDPE	\$39,133
350	3600	460	447TS		3502DPAB21B		95.0		MXTDPE	\$35,097
350	3600	575	447TS		3502DPAC21B		95.0		MXTDPE	\$35,097
350	1800	460	505US		3504DPAB21E		95.4		MXTDPE	\$28,569
350	1800	575	505US		3504DPAC21E		95.4		MXTDPE	\$28,569
350	1800	460	505UZ		3504DPAB21G-R		95.4	2	MXTDPE	\$29,994
350	1800	575	505UZ		3504DPAC21G-R		95.4	2	MXTDPE	\$29,994
350	1200	460	509US		3506DPAB21E		95.4		MXTDPE	\$37,083

Open Drip Proof
EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
350	1200	575	509US		3506DPAC21E		95.4		MXTDPE	\$37,083
350	1200	460	509UZ		3506DPAB21G-R		95.4	2	MXTDPE	\$40,455
350	1200	575	509UZ		3506DPAC21G-R		95.4	2	MXTDPE	\$40,455
400	3600	460	447TS		4002DPAB21B		95.4		MXTDPE	\$40,750
400	3600	575	447TS		4002DPAC21B		95.4		MXTDPE	\$40,750
400	1800	460	505US		4004DPAB21E		95.4		MXTDPE	\$39,449
400	1800	575	505US		4004DPAC21E		95.4		MXTDPE	\$39,449
400	1800	460	505UZ		4004DPAB21G-R		95.4	2	MXTDPE	\$38,913
400	1800	575	505UZ		4004DPAC21G-R		95.4	2	MXTDPE	\$38,913
450	3600	460	505USS		4502DPAB21F		95.8		MXTDPE	\$44,035
450	3600	575	505USS		4502DPAC21F		95.8		MXTDPE	\$44,035
450	1800	460	507US		4504DPAB21E		95.8		MXTDPE	\$42,670
450	1800	575	507US		4504DPAC21E		95.8		MXTDPE	\$42,670
450	1800	460	507UZ		4504DPAB21G-R		95.8	2	MXTDPE	\$44,095
450	1800	575	507UZ		4504DPAC21G-R		95.8	2	MXTDPE	\$44,095
500	3600	460	505USS		5002DPAB21F		95.8		MXTDPE	\$48,916
500	3600	575	505USS		5002DPAC21F		95.8		MXTDPE	\$48,916
500	1800	460	509US		5004DPAB21E		95.8		MXTDPE	\$47,411
500	1800	575	509US		5004DPAC21E		95.8		MXTDPE	\$47,411
500	1800	460	509UZ		5004DPAB21G-R		95.8	2	MXTDPE	\$48,836
500	1800	575	509UZ		5004DPAC21G-R		95.8	2	MXTDPE	\$48,836

The weights listed above are estimated.
Please contact Toshiba for information on product availability.

Open Drip Proof EQPIII NEMA Premium® Efficiency



Toshiba's general purpose XT, open drip proof, NEMA Premium® efficiency, EQPIII motor series is designed to meet the industry's ever-increasing need for improved energy conservation and product reliability. It offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. This product line meets the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12.

XT

Product Scope

Horsepower:	3/4 to 700 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460, 460, or 575 V
Enclosure:	Open Drip Proof
Frame Size:	143T through 509US
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.08 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	230/460	143T	47	B3/46DLF2AMH02	3.0/1.5	80.0 *		MXTDPP	\$792
0.75	1200	575	143T	47	B3/46DLF2OMH02	1.2	80.0 *		MXTDPP	\$792
1	1800	230/460	143T	48	B0014DLF2AMH02	2.8/1.4	84.0		MXTDPP	\$659
1	1800	230/460	143T	48	B0014DLF2AYH	2.8/1.4	84.0	1	MXTDPP	\$570
1	1800	575	143T	48	B0014DLF2OMH02	1.1	84.0		MXTDPP	\$659
1	1200	230/460	145T	51	B0016DLF2AMH02	3.6/1.8	82.5		MXTDPP	\$849
1	1200	230/460	145	51	B0016DLF2AYH	3.6/1.8	82.5	1	MXTDPP	\$735
1	1200	575	145T	51	B0016DLF2OMH02	1.5	82.5		MXTDPP	\$849
1.5	3600	230/460	143T	43	BY152DLF2AMH02	4.2/2.1	84.0		MXTDPP	\$746
1.5	3600	230/460	143T	43	BY152DLF2AYH	4.2/2.1	84.0	1	MXTDPP	\$623
1.5	3600	575	143T	43	BY152DLF2OMH02	1.7	84.0		MXTDPP	\$746
1.5	1800	230/460	145T	53	BY154DLF2AMH02	4.4/2.2	86.5		MXTDPP	\$721
1.5	1800	230/460	145T	55	BY154DLF2AYH	4.4/2.2	86.5	1	MXTDPP	\$623
1.5	1800	575	145T	53	BY154DLF2OMH02	1.8	86.5		MXTDPP	\$721
1.5	1200	230/460	182T	80	BY156DLF2AMH02	5.0/2.5	86.5		MXTDPP	\$895
1.5	1200	575	182T	80	BY156DLF2OMH02	2	86.5		MXTDPP	\$895
2	3600	230/460	145T	46	B0022DLF2AMH02	5.0/2.5	86.5		MXTDPP	\$884
2	3600	230/460	145T	57	B0022DLF2AYH	5/2.5	86.5	1	MXTDPP	\$735
2	3600	575	145T	46	B0022DLF2OMH02	2	86.5		MXTDPP	\$884
2	1800	230/460	145T	61	B0024DLF2AMH02	5.6/2.8	86.5		MXTDPP	\$792
2	1800	230/460	145T	57	B0024DLF2AYH	5.6/2.8	86.5	1	MXTDPP	\$686
2	1800	575	145T	61	B0024DLF2OMH02	2.2	86.5		MXTDPP	\$792
2	1200	230/460	184T	92	B0026DLF2AMH02	6.6/3.3	87.5		MXTDPP	\$1,196
2	1200	230/460	184T	88	B0026DLF2AYH	6.6/3.3	87.5	1	MXTDPP	\$1,036
2	1200	575	184T	92	B0026DLF2OMH02	2.6	87.5		MXTDPP	\$1,196

Open Drip Proof

EQPIII

NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	3600	230/460	145T	53	B0032DLF2AMH02	7.4/3.7	86.5		MXTDPP	\$955
3	3600	230/460	145T	57	B0032DLF2AYH	7.4/3.7	86.5	1	MXTDPP	\$815
3	3600	575	145T	53	B0032DLF2OMH02	3	86.5		MXTDPP	\$955
3	1800	230/460	182T	91	B0034DLF2AMH02	7.6/3.8	89.5		MXTDPP	\$861
3	1800	230/460	182T	97	B0034DLF2AYH	7.6/3.8	89.5	1	MXTDPP	\$715
3	1800	575	182T	91	B0034DLF2OMH02	3	89.5		MXTDPP	\$861
3	1200	230/460	213T	155	B0036DLF2AMH01	8.4/4.2	90.2		MXTDPP	\$1,350
3	1200	575	213T	155	B0036DLF2OMH01	3.4	90.2		MXTDPP	\$1,350
5	3600	230/460	182T	78	B0052DLF2AMH02	11.6/5.8	89.5		MXTDPP	\$1,148
5	3600	230/460	182T	86	B0052DLF2AYH	11.6/5.8	89.5	1	MXTDPP	\$945
5	3600	575	182T	78	B0052DLF2OMH02	4.6	89.5		MXTDPP	\$1,148
5	1800	230/460	184T	102	B0054DLF2AMH02	12.6/6.3	89.5		MXTDPP	\$1,091
5	1800	230/460	184T	89	B0054DLF2AYH	12.6/6.3	89.5	1	MXTDPP	\$945
5	1800	575	184T	102	B0054DLF2OMH02	5	89.5		MXTDPP	\$1,091
5	1200	230/460	215T	158	B0056DLF2AMH01	13.4/6.7	90.2		MXTDPP	\$1,741
5	1200	575	215T	158	B0056DLF2OMH01	5.4	90.2		MXTDPP	\$1,741
7.5	3600	230/460	184T	88	BY752DLF2AYH	17/8.5	90.2	1	MXTDPP	\$1,386
7.5	3600	230/460	184T	87	BY752DLF2AMH02	17/8.5	90.2		MXTDPP	\$1,526
7.5	3600	575	184T	87	BY752DLF2OMH02	6.8	90.2		MXTDPP	\$1,526
7.5	1800	230/460	213T	164	BY754DLF2USH01	18.8/9.4	91.7		MXTDPP	\$1,321
7.5	1800	575	213T	164	BY754DLF2OSH01	7.5	91.7		MXTDPP	\$1,321
7.5	1200	230/460	254T	255	BY756DLF2UMH01	20/10	91.7		MXTDPP	\$2,178
7.5	1200	575	254T	255	BY756DLF2OMH01	8	91.7		MXTDPP	\$2,178
10	3600	230/460	213T	156	B0102DLF2UMH01	26/13	90.2		MXTDPP	\$1,728
10	3600	575	213T	156	B0102DLF2OMH01	10.4	90.2		MXTDPP	\$1,728
10	1800	230/460	215T	184	B0104DLF2USH01	24/12	91.7		MXTDPP	\$1,585
10	1800	575	215T	184	B0104DLF2OSH01	9.6	91.7		MXTDPP	\$1,585
10	1200	230/460	256T	290	B0106DLF2UMH01	26/13	92.4		MXTDPP	\$2,550
10	1200	575	256T	290	B0106DLF2OMH01	10.4	92.4		MXTDPP	\$2,550
15	3600	230/460	215T	188	B0152DLF2UMH01	37/18.5	91.0		MXTDPP	\$2,189
15	3600	575	215T	188	B0152DLF2OMH01	15	91.0		MXTDPP	\$2,189
15	1800	230/460	254T	260	B0154DLF2UMH01	38/19	93.0		MXTDPP	\$2,183
15	1800	575	254T	260	B0154DLF2OMH01	15	93.0		MXTDPP	\$2,183
15	1200	230/460	284T	346	B0156VLF1UMH01	39/19.5	92.4		MXTDPP	\$3,447
15	1200	575	284T	346	B0156VLF1OMH01	15.6	92.4		MXTDPP	\$3,447
20	3600	230/460	254T	276	B0202DLF2UMH01	46/23	92.4		MXTDPP	\$2,581
20	3600	575	254T	276	B0202DLF2OMH01	18	92.4		MXTDPP	\$2,581
20	1800	230/460	256T	317	B0204DLF2UMH01	48/24	93.6		MXTDPP	\$2,614
20	1800	575	256T	317	B0204DLF2OMH01	19.2	93.6		MXTDPP	\$2,614
20	1200	230/460	286T	393	B0206VLF1UMH01	51/25.5	93.0		MXTDPP	\$4,027
20	1200	575	286T	393	B0206VLF1OMH01	20.4	93.0		MXTDPP	\$4,027
25	3600	230/460	256T	309	B0252DLF2UMH01	56/28	93.0		MXTDPP	\$3,152
25	3600	575	256T	309	B0252DLF2OMH01	22	93.0		MXTDPP	\$3,152
25	1800	230/460	284T	373	B0254VLF1USH01	62/31	93.6		MXTDPP	\$3,187
25	1800	575	284T	373	B0254VLF1OSH01	25	93.6		MXTDPP	\$3,187
25	1200	230/460	324T	468	B0256VLF1UMH01	62/31	93.6		MXTDPP	\$4,779
25	1200	575	324T	468	B0256VLF1OMH01	25	93.6		MXTDPP	\$4,779

Open Drip Proof EQPIII NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
30	3600	230/460	284TS	373	B0302VLG3UMH	70/35	93.6		MXTDPP	\$3,948
30	3600	575	284TS	373	B0302VLG3OMH	28	93.6		MXTDPP	\$3,948
30	1800	230/460	286T	402	B0304VLF1USH01	74/37	94.1		MXTDPP	\$3,705
30	1800	575	286T	402	B0304VLF1OSH01	30	94.1		MXTDPP	\$3,705
30	1200	230/460	326T	532	B0306VLF1UMH01	74/37	93.6		MXTDPP	\$5,468
30	1200	575	326T	532	B0306VLF1OMH01	30	93.6		MXTDPP	\$5,468
40	3600	230/460	286TS	412	B0402VLG3UMH	92/46	93.6		MXTDPP	\$4,810
40	3600	575	286TS	412	B0402VLG3OMH	37	93.6		MXTDPP	\$4,810
40	1800	230/460	324T	562	B0404VLF1UMH01	96/48	94.5		MXTDPP	\$4,606
40	1800	575	324T	562	B0404VLF1OMH01	39	94.5		MXTDPP	\$4,606
40	1200	230/460	364T	659	B0406VLF3USH	98/49	94.5		MXTDPP	\$8,438
40	1200	575	364T	659	B0406VLF3OSH	39	94.5		MXTDPP	\$8,438
50	3600	230/460	324TS	550	B0502VLG3UMH	118/59	93.6		MXTDPP	\$5,718
50	3600	575	324TS	550	B0502VLG3OMH	47	93.6		MXTDPP	\$5,718
50	1800	230/460	326T	620	B0504VLF1UMH01	120/60	95.0		MXTDPP	\$5,470
50	1800	575	326T	620	B0504VLF1OMH01	48	95.0		MXTDPP	\$5,470
50	1200	230/460	365T	716	B0506VLF3USH	124/62	94.5		MXTDPP	\$9,855
50	1200	575	365T	716	B0506VLF3OSH	50	94.5		MXTDPP	\$9,855
60	3600	230/460	326TS	594	B0602VLG3UMH	140/70	93.6		MXTDPP	\$6,499
60	3600	575	326TS	594	B0602VLG3OMH	56	93.6		MXTDPP	\$6,499
60	1800	230/460	364T	662	B0604VLF3USH	146/73	95.4		MXTDPP	\$6,582
60	1800	575	364T	662	B0604VLF3OSH	58	95.4		MXTDPP	\$6,582
60	1200	230/460	404T	1032	B0606VLF3USH	148/74	95.0		MXTDPP	\$11,498
60	1200	575	404T	1032	B0606VLF3OSH	59	95.0		MXTDPP	\$11,498
75	3600	230/460	364TS	747	B0752VLG3USH	174/87	94.5		MXTDPP	\$8,905
75	3600	575	364TS	747	B0752VLG3OSH	70	94.5		MXTDPP	\$8,905
75	1800	230/460	365T	748	B0754VLF3USH	178/89	95.4		MXTDPP	\$7,847
75	1800	575	365T	748	B0754VLF3OSH	71	95.4		MXTDPP	\$7,847
75	1200	230/460	405T	1139	B0756VLF3USH	184/92	95.8		MXTDPP	\$13,398
75	1200	575	405T	1139	B0756VLF3OSH	74	95.8		MXTDPP	\$13,398
100	3600	230/460	365TS	747	B1002VLG3USH	230/115	95.0		MXTDPP	\$11,139
100	3600	575	365TS	747	B1002VLG3OSH	92	95.0		MXTDPP	\$11,139
100	1800	230/460	404T	1100	B1004VLF3USH	230/115	95.4		MXTDPP	\$10,317
100	1800	575	404T	1100	B1004VLF3OSH	92	95.4		MXTDPP	\$10,317
100	1200	230/460	444T	1406	B1006VLF4USH	244/122	95.4	2	MXTDPP	\$16,969
100	1200	575	444T	1406	B1006VLF4OSH	98	95.4	2	MXTDPP	\$16,969
125	3600	230/460	404TS	1114	B1252VLG3USH	284/142	95.4		MXTDPP	\$13,458
125	3600	575	404TS	1114	B1252VLG3OSH	114	95.4		MXTDPP	\$13,458
125	1800	230/460	405T	1209	B1254VLF3USH	284/142	95.4		MXTDPP	\$11,636
125	1800	575	405T	1209	B1254VLF3OSH	113	95.4		MXTDPP	\$11,636
125	1200	230/460	445T	1507	B1256VLF4USH	310/155	95.4	2	MXTDPP	\$19,272
125	1200	575	445T	1507	B1256VLF4OSH	124	95.4	2	MXTDPP	\$19,272
150	3600	230/460	405TS	1213	B1502VLG3USH	332/166	95.8		MXTDPP	\$16,371
150	3600	575	405TS	1213	B1502VLG3OSH	133	95.8		MXTDPP	\$16,371
150	1800	230/460	444T	1355	B1504VLF4USH	334/167	95.8	2	MXTDPP	\$16,803
150	1800	575	444T	1355	B1504VLF4OSH	134	95.8	2	MXTDPP	\$16,803
150	1200	460	445TS	1617	B1506VLG3BSH	180	95.8		MXTDPP	\$21,365

Open Drip Proof

EQPIII

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
150	1200	575	445TS	1617	B1506VLG3OSH	144	95.8		MXTDPP	\$21,365
150	1200	460	445TZ	1617	B1506VLF4BSH	180	95.8	2	MXTDPP	\$21,365
150	1200	575	445TZ	1617	B1506VLF4OSH	144	95.8	2	MXTDPP	\$21,365
200	3600	230/460	444TS	1520	B2002VLG3USH	450/225	95.8		MXTDPP	\$25,467
200	3600	575	444TS	1520	B2002VLG3OSH	180	95.8		MXTDPP	\$25,467
200	1800	230/460	445T	1597	B2004VLF4USH	444/222	96.2	2	MXTDPP	\$20,261
200	1800	575	445T	1597	B2004VLF4OSH	178	96.2	2	MXTDPP	\$20,261
200	1200	460	505US	2010	B2006VLG3BMH	235	95.8		MXTDPP	\$31,383
200	1200	575	505US	2010	B2006VLG3OMH	188	95.8		MXTDPP	\$31,383
200	1200	460	505UZ	2010	B2006VLF4BMH	235	95.8	2	MXTDPP	\$34,594
200	1200	575	505UZ	2010	B2006VLF4OMH	188	95.8	2	MXTDPP	\$34,594
250	3600	230/460	445TS	1720	B2502VLG3UMH	560/280	95.8		MXTDPP	\$27,594
250	3600	575	445TS	1720	B2502VLG3OMH	224	95.8		MXTDPP	\$27,594
250	1800	460	447TS	1721	B2504VLG3BMH	272	96.5		MXTDPP	\$28,440
250	1800	575	447TS	1721	B2504VLG3OMH	218	96.5		MXTDPP	\$28,440
250	1800	460	447T	1721	B2504VLF4BMH	272	96.5	2	MXTDPP	\$28,440
250	1800	575	447T	1721	B2504VLF4OMH	218	96.5	2	MXTDPP	\$28,440
250	1200	460	505US	2072	B2506VLG3BMH	290	95.8		MXTDPP	\$32,963
250	1200	575	505US	2072	B2506VLG3OMH	232	95.8		MXTDPP	\$32,963
250	1200	460	505UZ	2072	B2506VLF4BMH	290	95.8	2	MXTDPP	\$36,174
250	1200	575	505UZ	2072	B2506VLF4OMH	232	95.8	2	MXTDPP	\$36,174
300	3600	460	447TS	1934	B3002VLG3BMH	330	96.2		MXTDPP	\$35,919
300	3600	575	447TS	1934	B3002VLG3OMH	264	96.2		MXTDPP	\$35,919
300	1800	460	447TS	1721	B3004VLG3BMH	330	96.2		MXTDPP	\$29,846
300	1800	575	447TS	1721	B3004VLG3OMH	264	96.2		MXTDPP	\$29,846
300	1800	460	447T	1721	B3004VLF4BMH	330	96.2	2	MXTDPP	\$29,846
300	1800	575	447T	1721	B3004VLF4OMH	264	96.2	2	MXTDPP	\$29,846
300	1200	460	507US	2474	B3006VLG3BMH	345	95.8		MXTDPP	\$40,271
300	1200	575	507US	2474	B3006VLG3OMH	276	95.8		MXTDPP	\$40,271
300	1200	460	507UZ	2474	B3006VLF4BMH	345	95.8	2	MXTDPP	\$43,482
300	1200	575	507UZ	2474	B3006VLF4OMH	276	95.8	2	MXTDPP	\$43,482
350	3600	460	447TS	2012	B3502VLG3BMH	382	96.2		MXTDPP	\$38,997
350	3600	575	447TS	2012	B3502VLG3OMH	305	96.2		MXTDPP	\$38,997
350	1800	460	505US	2054	B3504VLG3BMH	385	96.5		MXTDPP	\$34,763
350	1800	575	505US	2054	B3504VLG3OMH	308	96.5		MXTDPP	\$34,763
350	1800	460	505UZ	2054	B3504VLF4BMH	385	96.5	2	MXTDPP	\$37,974
350	1800	575	505UZ	2054	B3504VLF4OMH	308	96.5	2	MXTDPP	\$37,974
400	3600	460	505USS	2312	B4002VLG3BMH	430	95.8		MXTDPP	\$45,278
400	3600	575	505USS	2312	B4002VLG3OMH	344	95.8		MXTDPP	\$45,278
400	1800	460	507US	2620	B4004VLG3BMH	440	96.5		MXTDPP	\$43,833
400	1800	575	507US	2620	B4004VLG3OMH	352	96.5		MXTDPP	\$43,833
400	1800	460	507UZ	2620	B4004VLF4BMH	440	96.5	2	MXTDPP	\$47,044
400	1800	575	507UZ	2620	B4004VLF4OMH	352	96.5	2	MXTDPP	\$47,044
450	3600	460	507USS	2777	B4502VLG3BMH	480	96.2		MXTDPP	\$48,928
450	3600	575	507USS	2777	B4502VLG3OMH	384	96.2		MXTDPP	\$48,928
450	1800	460	507US	2777	B4504VLG3BMH	495	96.2		MXTDPP	\$49,311
450	1800	575	507US	2777	B4504VLG3OMH	396	96.2		MXTDPP	\$49,311

Open Drip Proof EQPIII NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
450	1800	460	507UZ	2777	B4504VLF4BMH	495	96.2	2	MXTDPP	\$52,522
450	1800	575	507UZ	2777	B4504VLF4OMH	396	96.2	2	MXTDPP	\$52,522
500	3600	460	507USS	2777	B5002VLG3BMH	528	96.5		MXTDPP	\$54,352
500	3600	575	507USS	2777	B5002VLG3OMH	422	96.5		MXTDPP	\$54,352
500	1800	460	509US		B5004VLG3BMH	553	96.5		MXTDPP	\$56,191
500	1800	575	509US		B5004VLG3OMH	442	96.5		MXTDPP	\$56,191
500	1800	460	509UZ		B5004VLF4BMH	553	96.5	2	MXTDPP	\$59,312
500	1800	575	509UZ		B5004VLF4OMH	442	96.5	2	MXTDPP	\$59,312
600	3600	460	507USS	2777	F6002VLG3BMH	640	96.2*		MXTDPP	\$62,733
600	3600	575	507USS	2777	F6002VLG3OMH	512	96.2*		MXTDPP	\$62,733
700	3600	460	507USS	2777	B7002VKG3BMH	741	96.2*		MXTDPP	\$69,529
700	3600	575	507USS	2777	B7002VKG3OMH	592	96.2*		MXTDPP	\$69,529

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

Stock Modifications

Production Modifications

Spare Parts

Model No. Index

Appendices

General Purpose XT Series

Totally Enclosed Fan Cooled Motors

XT

Toshiba's general purpose XT, totally enclosed fan cooled motors are designed to meet the industry's ever-increasing need for improved energy conservation and product reliability. Using the cornerstone of our product offering, the EQPIII motor line, as a base, our XT Totally enclosed fan cooled motors are built to withstand the toughest conditions. This product line offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. Our XT totally enclosed fan cooled motors are designed for indoor and outdoor use, and are available in High Efficiency, High Efficiency C-Face Footless, EPACT Efficiency, EPACT Efficiency C-Face Footed, as well as in NEMA Premium® efficiency options which include EQPIII, EQPIII C-Face Footed, and EQPIII C-Face Footless.

Standard Features:

- Totally Enclosed Fan Cooled
- High, EPACT, & NEMA Premium® Efficiency
- Available in Footed, C-Face Footed, & C-Face Footless Mounting Configurations
- 230/460, 460, or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Class F Insulation
- Inverter Duty- Exceeds Insulation Requirements of NEMA MG1 Part 31
- Stamped Steel Conduit Box on Frames 140 through 5010U
- Cast Iron Conduit Box on Frame 5810U
- Cast Iron Frame
- Steel Fan Cover
- Cast Iron Brackets
- Ball Bearing 140T through 405T
- Roller Bearing on All 440T & Above, 4 & 6-Pole
- V-Ring Shaft Slinger on the Drive End
- Polyurea Base Grease
- 304 Stainless Steel Nameplate

3 Year Warranty

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- General Applications

Warranty:

High/EPACT

- From Date of Shipment: 24 Months

Premium

- From Date of Shipment: 36 Months



Totally Enclosed Fan Cooled High Efficiency



Toshiba's general purpose XT, totally enclosed fan cooled, High Efficiency motor series is designed to meet the industry's ever-increasing need for improved energy conservation and product performance. This product line offers exceptionally high torque and a low vibration design, leading to longer life and greater reliability.

XT

Product Scope

Horsepower:	1/2 to 2 HP (56 Frame) 250 to 800 HP
Speed:	3600, 1800, 1200 or 900 RPM
Voltage:	230/460, 460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	56 Frame & N449T through 5811US
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1800	230/460	56/56H	49	B1/24EMF2AOZ	1.7/0.85	78.5	1	MXTFCS	\$435
0.5	1800	575	56/56H	49	B1/24EMF2OOZ	0.68	78.5	1	MXTFCS	\$435
0.5	1200	230/460	56/56H	53	B1/26FMF2AOZ	2.0/1.0	77.0	1	MXTFCS	\$632
0.5	1200	575	56/56H	53	B1/26FMF2OOZ	0.80	77.0	1	MXTFCS	\$632
0.75	3600	230/460	56/56H	47	B3/42FMF2AOZ	2.2/1.1	77.0	1	MXTFCS	\$430
0.75	3600	575	56/56H	47	B3/42FMF2OOZ	0.88	77.0	1	MXTFCS	\$430
0.75	1800	230/460	56/56H	57	B3/44FMF2AOZ	2.2/1.1	81.5	1	MXTFCS	\$468
0.75	1800	575	56/56H	57	B3/44FMF2OOZ	0.88	81.5	1	MXTFCS	\$468
0.75	1200	230/460	56/56H	53	B3/46FLF2AOZ	2.8/1.4	78.5	1	MXTFCS	\$647
0.75	1200	575	56/56H	53	B3/46FLF2OOZ	1.1	78.5	1	MXTFCS	\$647
1	3600	230/460	56/56H	50	B0012FMF2AOZ	2.7/1.35	80.0	1	MXTFCS	\$507
1	3600	575	56/56H	50	B0012FMF2OOZ	1.1	80.0	1	MXTFCS	\$507
1	1800	230/460	56/56H	56	B0014FLF2AOZ	2.9/1.45	82.5	1	MXTFCS	\$490
1	1800	575	56/56H	56	B0014FLF2OOZ	1.2	82.5	1	MXTFCS	\$490
1	1200	230/460	56/56H	54	B0016FLF2AOZ	3.7/1.85	78.5	1	MXTFCS	\$656
1	1200	575	56/56H	54	B0016FLF2OOZ	1.5	78.5	1	MXTFCS	\$656
1.5	3600	230/460	56/56H	53	BY152FLF2AOZ	3.8/1.9	82.5	1	MXTFCS	\$557
1.5	3600	575	56/56H	53	BY152FLF2OOZ	1.6	82.5	1	MXTFCS	\$557
1.5	1800	230/460	56/56H	54	BY154FLF2AOZ	4.5/2.25	81.5	1	MXTFCS	\$549
1.5	1800	575	56/56H	54	BY154FLF2OOZ	1.8	81.5	1	MXTFCS	\$549
1.5	1200	230/460	56/56H	58	BY156FLF2AOZ	5.4/2.7	78.5	1	MXTFCS	\$752
1.5	1200	575	56/56H	58	BY156FLF2OOZ	2.2	78.5	1	MXTFCS	\$752

Totally Enclosed Fan Cooled
High Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
2	3600	230/460	56/56H	54	B0022FLF2AOZ	5.2/2.6	84.0	1	MXTFCS	\$623
2	3600	575	56/56H	54	B0022FLF2OOZ	2.1	84.0	1	MXTFCS	\$623
2	1800	230/460	56/56H	55	B0024FLF2AOZ	5.8/2.9	84.0	1	MXTFCS	\$592
2	1800	575	56/56H	55	B0024FLF2OOZ	2.3	84.0	1	MXTFCS	\$592
250	3600	460	N449TS	3700	B2503FLG3BML	277	94.5	4, 10	MXTFCS	\$37,802
250	3600	575	N449TS	3700	B2503FLG3OML	221	94.5	4, 10	MXTFCS	\$37,802
250	3600	460	N449TS	3700	B2501FLG3BML	277	94.5	5, 10	MXTFCS	\$37,802
250	3600	575	N449TS	3700	B2501FLG3OML	221	94.5	5, 10	MXTFCS	\$37,802
250	3600	460	505USS	2743	B2503FKG3BM	280	95.0	3, 4, 10	MXTFCS	\$40,602
250	3600	575	505USS	2743	B2503FKG3OM	224	95.0	3, 4, 10	MXTFCS	\$40,602
250	3600	460	505USS	2743	B2501FKG3BM	280	95.0	3, 5, 10	MXTFCS	\$40,602
250	3600	575	505USS	2743	B2501FKG3OM	224	95.0	3, 5, 10	MXTFCS	\$40,602
250	1800	460	447T	2182	B2504FKF4BSF	310	95.0	2, 3, 10	MXTFCS	\$26,709
250	1800	575	447T	2182	B2504FKF4OSF	248	95.0	2, 3, 10	MXTFCS	\$26,709
250	1800	460	N449T	3750	B2504FLF4BML	278	95.4	2, 10	MXTFCS	\$31,423
250	1800	575	N449T	3750	B2504FLF4OML	222	95.4	2, 10	MXTFCS	\$31,423
250	1800	460	505UZ	2765	B2504FLF4BM	288	94.1	2, 10	MXTFCS	\$37,032
250	1800	575	505UZ	2765	B2504FLF4OM	230	94.1	2, 10	MXTFCS	\$37,032
250	1800	460	505US	2765	B2504FLG3BM	288	94.1	10	MXTFCS	\$33,751
250	1800	575	505US	2765	B2504FLG3OM	230	94.1	10	MXTFCS	\$33,751
250	1200	460	N449T	3730	B2506FLF4BML	296	96.2	2, 10	MXTFCS	\$36,920
250	1200	575	N449T	3730	B2506FLF4OML	234	95.8	2, 10	MXTFCS	\$36,920
250	1200	460	N587UZ	3744	B2506FLF4BM	296	94.5	2, 10	MXTFCS	\$42,936
250	1200	575	N587UZ	3744	B2506FLF4OM	237	94.5	2, 10	MXTFCS	\$42,936
250	1200	460	N587US	3744	B2506FLG3BM	296	94.5	10	MXTFCS	\$39,655
250	1200	575	N587US	3744	B2506FLG3OM	237	94.5	10	MXTFCS	\$39,655
250	900	460	N449T	3930	B2508FLF4BML	306	94.0	2	MXTFCS	\$52,718
250	900	575	N449T	3930	B2508FLF4OML	245	94.0	2	MXTFCS	\$52,718
250	900	460	N587UZ	5150	B2508FLF4BM	321	95.0	2	MXTFCS	\$58,773
250	900	575	N587UZ	5150	B2508FLF4OM	257	95.0	2	MXTFCS	\$58,773
250	900	460	N587US	5150	B2508FLG4BM	321	95.0		MXTFCS	\$55,492
250	900	575	N587US	5150	B2508FLG4OM	257	95.0		MXTFCS	\$55,492
300	3600	460	N449TS	3720	B3003FLG3BML	330	95.0	4, 10	MXTFCS	\$46,795
300	3600	575	N449TS	3720	B3003FLG3OML	264	95.0	4, 10	MXTFCS	\$46,795
300	3600	460	N449TS	3720	B3001FLG3BML	330	95.0	5, 10	MXTFCS	\$46,795
300	3600	575	N449TS	3720	B3001FLG3OML	264	95.0	5, 10	MXTFCS	\$46,795
300	3600	460	N587USS	3954	B3003FLG3BM	328	94.5	4, 10	MXTFCS	\$50,260
300	3600	575	N587USS	3954	B3003FLG3OM	262	94.5	4, 10	MXTFCS	\$50,260
300	3600	460	N587USS	3954	B3001FLG3BM	328	94.5	5, 10	MXTFCS	\$50,260
300	3600	575	N587USS	3954	B3001FLG3OM	262	94.5	5, 10	MXTFCS	\$50,260
300	1800	460	N449T	3770	B3004FLF4BML	335	95.4	2, 10	MXTFCS	\$36,936
300	1800	575	N449T	3770	B3004FLF4OML	267	95.4	2, 10	MXTFCS	\$36,936
300	1800	460	N587UZ	3781	B3004FLF4BM	350	94.1	2, 10	MXTFCS	\$42,951
300	1800	575	N587UZ	3781	B3004FLF4OM	280	94.1	2, 10	MXTFCS	\$42,951
300	1800	460	N587US	3781	B3004FLG3BM	350	94.1	10	MXTFCS	\$39,670
300	1800	575	N587US	3781	B3004FLG3OM	280	94.1	10	MXTFCS	\$39,670
300	1200	460	N449T	3750	B3006FLF4BML	356	95.8	2, 10	MXTFCS	\$41,656
300	1200	575	N449T	3750	B3006FLF4OML	284	95.8	2, 10	MXTFCS	\$41,656

Totally Enclosed Fan Cooled
High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
300	1200	460	N587UZ	3967	B3006FLF4BM	354	94.5	2, 10	MXTFCS	\$48,024
300	1200	575	N587UZ	3967	B3006FLF4OM	283	94.5	2, 10	MXTFCS	\$48,024
300	1200	460	N587US	3967	B3006FLG3BM	354	94.5	10	MXTFCS	\$44,743
300	1200	575	N587US	3967	B3006FLG3OM	283	94.5	10	MXTFCS	\$44,743
300	900	460	5810US		F3008FLG3BM				MXTFCS	\$58,333
300	900	575	5810US		F3008FLG3OM				MXTFCS	\$58,333
300	900	460	5810UZ		F3008FLF4BM			2	MXTFCS	\$61,614
300	900	575	5810UZ		F3008FLF4OM			2	MXTFCS	\$61,614
350	3600	460	N449TS	3750	B3503FLG3BML	386	95.4	4, 10	MXTFCS	\$50,476
350	3600	575	N449TS	3750	B3503FLG3OML	307	95.4	4, 10	MXTFCS	\$50,476
350	3600	460	N449TS	3750	B3501FLG3BML	386	95.4	5, 10	MXTFCS	\$50,476
350	3600	575	N449TS	3750	B3501FLG3OML	307	95.4	5, 10	MXTFCS	\$50,476
350	3600	460	5010USS	4500	B3503FLG8BM	390	94.1	4, 10	MXTFCS	\$51,487
350	3600	575	5010USS	4500	B3503FLG8OM	310	94.1	4, 10	MXTFCS	\$51,487
350	3600	460	5010USS	4500	B3501FLG8BM	390	94.1	5, 10	MXTFCS	\$51,487
350	3600	575	5010USS	4500	B3501FLG8OM	310	94.1	5, 10	MXTFCS	\$51,487
350	1800	460	N449T	3800	B3504FLF4BML	386	95.4	2, 10	MXTFCS	\$40,567
350	1800	575	N449T	3800	B3504FLF4OML	309	95.4	2, 10	MXTFCS	\$40,567
350	1800	460	N587UZ	3909	B3504FLF4BM	408	94.1	2, 10	MXTFCS	\$46,851
350	1800	575	N587UZ	3909	B3504FLF4OM	326	94.1	2, 10	MXTFCS	\$46,851
350	1800	460	N587US	3909	B3504FLG3BM	408	94.1	10	MXTFCS	\$43,570
350	1800	575	N587US	3909	B3504FLG3OM	326	94.1	10	MXTFCS	\$43,570
350	1200	460	N449T	3720	B3506FLF4BML	416	95.8	2, 10	MXTFCS	\$48,569
350	1200	575	N449T	3720	B3506FLF4OML	333	95.8	2, 10	MXTFCS	\$48,569
350	1200	460	5010UZ	3780	B3506FLF4BM	418	94.5	2, 10	MXTFCS	\$51,609
350	1200	575	5010UZ	3780	B3506FLF4OM	335	94.5	2, 10	MXTFCS	\$51,609
350	1200	460	5010US	3750	B3506FLG3BM	418	94.5	10	MXTFCS	\$48,328
350	1200	575	5010US	3750	B3506FLG3OM	335	94.5	10	MXTFCS	\$48,328
350	900	460	5810US		F3508FLG3BM				MXTFCS	\$68,055
350	900	575	5810US		F3508FLG3OM				MXTFCS	\$68,055
350	900	460	5810UZ		F3508FLF4BM			2	MXTFCS	\$71,336
350	900	575	5810UZ		F3508FLF4OM			2	MXTFCS	\$71,336
400	3600	460	N449TS	3850	B4003FLG3BML	439	95.4	4, 10	MXTFCS	\$54,801
400	3600	575	N449TS	3850	B4003FLG3OML	351	95.4	4, 10	MXTFCS	\$54,801
400	3600	460	5010USS	4500	B4003FLG8BM	443	94.1	4, 10	MXTFCS	\$57,686
400	3600	575	5010USS	4500	B4003FLG8OM	354	94.1	4, 10	MXTFCS	\$57,686
400	3600	460	5010USS	4500	B4001FLG8BM	443	94.1	5, 10	MXTFCS	\$57,686
400	3600	575	5010USS	4500	B4001FLG8OM	354	94.1	5, 10	MXTFCS	\$57,686
400	1800	460	N449T	3810	B4004FLF4BML	444	95.4	2, 10	MXTFCS	\$53,976
400	1800	575	N449T	3810	B4004FLF4OML	353	95.4	2, 10	MXTFCS	\$53,976
400	1800	460	N587UZ	3909	A4004FLF4BM	470	94.5	2, 6, 10	MXTFCS	\$58,515
400	1800	575	N587UZ	3909	A4004FLF4OM	376	94.5	2, 6, 10	MXTFCS	\$58,515
400	1800	460	N587US	3909	A4004FLG3BM	470	94.5	6, 10	MXTFCS	\$55,234
400	1800	575	N587US	3909	A4004FLG3OM	376	94.5	6, 10	MXTFCS	\$55,234
400	1200	460	5010UZ	4740	F4006FLF4BM	486	94.1	2, 6	MXTFCS	\$58,515
400	1200	575	5010UZ	4740	F4006FLF4OM	388	94.1	2, 6	MXTFCS	\$58,515
400	1200	460	5010US	4755	F4006FLG3BM	486	94.1	6	MXTFCS	\$55,234
400	1200	575	5010US	4755	F4006FLG3OM	388	94.1	6	MXTFCS	\$55,234

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HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
400	900	460	5810US		F4008FLG3BM				MXTFCS	\$77,777
400	900	575	5810US		F4008FLG3OM				MXTFCS	\$77,777
400	900	460	5810UZ		F4008FLF4BM			2	MXTFCS	\$81,059
400	900	575	5810UZ		F4008FLF4OM			2	MXTFCS	\$81,059
450	3600	460	5010USS	4580	B4503FLG8BM	496	94.5	4, 10	MXTFCS	\$63,525
450	3600	575	5010USS	4580	B4503FLG8OM	396	94.5	4, 10	MXTFCS	\$63,525
450	3600	460	5010USS	4580	B4501FLG8BM	496	94.5	5, 10	MXTFCS	\$63,525
450	3600	575	5010USS	4580	B4501FLG8OM	396	94.5	5, 10	MXTFCS	\$63,525
450	1800	460	5010UZ	4850	B4504FLF4BM	521	94.1	2, 10	MXTFCS	\$61,254
450	1800	575	5010UZ	4850	B4504FLF4OM	417	94.1	2, 10	MXTFCS	\$61,254
450	1800	460	5010US	4700	B4504FLG3BM	521	94.1	10	MXTFCS	\$57,973
450	1800	575	5010US	4700	B4504FLG3OM	417	94.1	10	MXTFCS	\$57,973
450	1200	460	5810US		F4506FLG3BM				MXTFCS	\$65,625
450	1200	575	5810US		F4506FLG3OM				MXTFCS	\$65,625
450	1200	460	5810UZ		F4506FLF4BM			2	MXTFCS	\$68,906
450	1200	575	5810UZ		F4506FLF4OM			2	MXTFCS	\$68,906
450	900	460	5810US		F4508FLG3BM				MXTFCS	\$87,500
450	900	575	5810US		F4508FLG3OM				MXTFCS	\$87,500
450	900	460	5810UZ		F4508FLF4BM			2	MXTFCS	\$90,781
450	900	575	5810UZ		F4508FLF4OM			2	MXTFCS	\$90,781
500	3600	460	5810USS		B5003FLG8BM			4, 10	MXTFCS	\$72,916
500	3600	575	5810USS		B5003FLG8OM			4, 10	MXTFCS	\$72,916
500	1800	460	5010UZ	4905	B5004FLF4BM	586	94.1	2, 10	MXTFCS	\$64,651
500	1800	575	5010UZ	4905	B5004FLF4OM	466	94.1	2, 10	MXTFCS	\$64,651
500	1800	460	5010US	4755	B5004FLG3BM	586	94.1	10	MXTFCS	\$61,370
500	1800	575	5010US	4755	B5004FLG3OM	466	94.1	10	MXTFCS	\$61,370
500	1200	460	5810US		F5006FLG3BM	654	95.4		MXTFCS	\$72,916
500	1200	575	5810US		F5006FLG3OM	523	95.4		MXTFCS	\$72,916
500	1200	460	5810UZ		F5006FLF4BM	654	95.4	2	MXTFCS	\$76,198
500	1200	575	5810UZ		F5006FLF4OM	523	95.4	2	MXTFCS	\$76,198
600	3600	460	5810USS		F6003FLG8BM			4	MXTFCS	\$83,125
600	3600	575	5810USS		F6003FLG8OM			4	MXTFCS	\$83,125
600	1800	460	5810US		F6004FLG3BM				MXTFCS	\$72,916
600	1800	575	5810US		F6004FLG3OM				MXTFCS	\$72,916
600	1800	460	5810UZ		F6004FLF4BM			2	MXTFCS	\$76,198
600	1800	575	5810UZ		F6004FLF4OM			2	MXTFCS	\$76,198
600	1800	460	5811US		6004FTAB11E-A	668	95.4	11	MXTFCS	\$83,757
600	1800	575	5811US		6004FTAC11E-A			11	MXTFCS	\$83,757
600	1200	460	5810US		F6006FLG3BM				MXTFCS	\$83,125
600	1200	575	5810US		F6006FLG3OM				MXTFCS	\$83,125
600	1200	460	5810UZ		F6006FLF4BM			2	MXTFCS	\$86,406
600	1200	575	5810UZ		F6006FLF4OM			2	MXTFCS	\$86,406
700	3600	460	5811USS		F7003FTAB11F-A			11, 4	MXTFCS	\$89,217
700	3600	575	5811USS		F7003FTAC11F-A			11, 4	MXTFCS	\$89,217
700	1800	460	5810US		F7004FLG3BM				MXTFCS	\$85,069
700	1800	575	5810US		F7004FLG3OM				MXTFCS	\$85,069
700	1800	460	5810UZ		F7004FLF4BM			2	MXTFCS	\$88,350
700	1800	575	5810UZ		F7004FLF4OM			2	MXTFCS	\$88,350

Totally Enclosed Fan Cooled
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XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
700	1800	460	5811US		7004FTAB11E-A	779	95.4	11	MXTFCS	\$91,997
700	1800	575	5811US		7004FTAC11E-A			11	MXTFCS	\$91,997
700	1200	460	5811US		7006FTAB11E-A			11	MXTFCS	\$95,527
700	1200	575	5811US		7006FTAC11E-A			11	MXTFCS	\$95,527
800	1800	460	5811US		8004FTAB11E-A	888	95.4	11	MXTFCS	\$94,114
800	1800	575	5811US		8004FTAC11E-A			11	MXTFCS	\$94,114

The weights listed above are estimated.
Please contact Toshiba for information on product availability.

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EPACT Efficiency



Toshiba’s general purpose XT, totally enclosed fan cooled, EPACT Efficiency motor series offers a high torque and low vibration design leading to longer life and greater reliability. These motors meet the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11.



Product Scope

- Horsepower:

Speed:

Voltage:

Enclosure:

Frame Size:

Construction:

Vibration (Unfiltered):

Insulation:
- 1 to 500 HP

3600, 1800, or 1200 RPM (250 to 500 HP)
900 RPM (1 to 200 HP)

230/460, 460 or 575 V

Totally Enclosed Fan Cooled

143T through 5810US

Cast Iron

Typically 0.10 Inches/Second or Less

Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	900	230/460	143T	58	B1/28FLF2AM				MXTFCS	\$956
0.5	900	575	143T	58	B1/28FLF2OM				MXTFCS	\$956
0.75	900	230/460	145T	60	B3/48FLF2AM03	4.2/2.1	70.0		MXTFCS	\$1,050
0.75	900	575	145T	60	B3/48FLF2OM03	1.7	66.0		MXTFCS	\$1,050
1	900	230/460	182T	82	0018FTSA21A		74.0		MXTFCE	\$1,436
1	900	575	182T	82	0018FTSC21A		74.0		MXTFCE	\$1,436
1.5	900	230/460	184T	105	Y158FTSA21A		77.0		MXTFCE	\$1,695
1.5	900	575	184T	105	Y158FTSC21A		77.0		MXTFCE	\$1,695
2	900	230/460	213T	190	0028FTSA21A		82.5		MXTFCE	\$2,026
2	900	575	213T	190	0028FTSC21A		82.5		MXTFCE	\$2,026
3	900	230/460	215T	206	0038FTSA21A		84.0		MXTFCE	\$2,529
3	900	575	215T	206	0038FTSC21A		84.0		MXTFCE	\$2,529
5	900	230/460	254T	254	0058FTSA21A		85.5		MXTFCE	\$3,362
5	900	575	254T	254	0058FTSC21A		85.5		MXTFCE	\$3,362
7.5	900	230/460	256T	327	Y758FTSA21A		85.5		MXTFCE	\$4,242
7.5	900	575	256T	327	Y758FTSC21A		85.5		MXTFCE	\$4,242
10	900	230/460	284T	380	0108FTSA21A		88.5		MXTFCE	\$4,953
10	900	575	284T	380	0108FTSC21A		88.5		MXTFCE	\$4,953
15	900	230/460	286T	424	0158FTSA21A		88.5		MXTFCE	\$6,446
15	900	575	286T	424	0158FTSC21A		88.5		MXTFCE	\$6,446
20	900	230/460	324T	567	0208FTSA21A		89.5		MXTFCE	\$7,880
20	900	575	324T	567	0208FTSC21A		89.5		MXTFCE	\$7,880
25	900	230/460	326T	631	0258FTSA21A		89.5		MXTFCE	\$9,162
25	900	575	326T	631	0258FTSC21A		89.5		MXTFCE	\$9,162
30	900	230/460	364T	714	0308FTSA21A		91.0		MXTFCE	\$10,842
30	900	575	364T	714	0308FTSC21A		91.0		MXTFCE	\$10,842
40	900	230/460	365T	771	0408FTSA21A		91.0		MXTFCE	\$13,112
40	900	575	365T	771	0408FTSC21A		91.0		MXTFCE	\$13,112
50	900	230/460	404T	1241	0508FTSA21A		91.7		MXTFCE	\$15,666
50	900	575	404T	1241	0508FTSC21A		91.7		MXTFCE	\$15,666
60	900	230/460	405T	1319	0608FTSA21A		91.7		MXTFCE	\$17,896
60	900	575	405T	1319	0608FTSC21A		91.7		MXTFCE	\$17,896

Totally Enclosed Fan Cooled EPACT Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
75	900	230/460	444T	1786	0758FTSA21A-R		93.0	2	MXTFCE	\$23,585
75	900	575	444T	1786	0758FTSC21A-R		93.0	2	MXTFCE	\$23,585
100	900	230/460	445T	1941	1008FTSA21A-R		93.0	2	MXTFCE	\$29,158
100	900	575	445T	1941	1008FTSC21A-R		93.0	2	MXTFCE	\$29,158
125	900	460	447T	2800	1258FTSB21A-R		93.6	2	MXTFCE	\$31,069
125	900	575	447T	2800	1258FTSC21A-R		93.6	2	MXTFCE	\$31,069
125	900	460	N449T	3800	1258FTSB21A-FR		93.6	2	MXTFCE	\$34,255
125	900	575	N449T	3800	1258FTSC21A-FR		93.6	2	MXTFCE	\$34,255
150	900	460	N449T	3820	1508FTSB21A-R		93.6	2	MXTFCE	\$39,515
150	900	575	N449T	3820	1508FTSC21A-R		93.6	2	MXTFCE	\$39,515
150	900	460	505US	2800	1508FTSB21E		93.6		MXTFCE	\$49,393
150	900	575	505US	2800	1508FTSC21E		93.6		MXTFCE	\$49,393
150	900	460	505UZ	2629	1508FTSB21G-R		93.6	2	MXTFCE	\$52,283
150	900	575	505UZ	2629	1508FTSC21G-R		93.6	2	MXTFCE	\$52,283
200	900	460	N449T	3685	2008FTSB21A-R		94.1	2	MXTFCE	\$44,106
200	900	575	N449T	3685	2008FTSC21A-R		94.1	2	MXTFCE	\$44,106
200	900	460	5010US	4650	2008FTSB21E		94.1		MXTFCE	\$55,132
200	900	575	5010US	4650	2008FTSC21E		94.1		MXTFCE	\$55,132
200	900	460	5010UZ	4650	2008FTSB21G-R		94.1	2	MXTFCE	\$58,022
200	900	575	5010UZ	4650	2008FTSC21G-R		94.1	2	MXTFCE	\$58,022
250	3600	460	N449TS		2503FCAB21B		95.4	4	MXTFCE	\$28,055
250	3600	575	N449TS		2503FCAC21B		95.4	4	MXTFCE	\$28,055
250	1800	460	N449T		2504FCAB21A		95.0		MXTFCE	\$23,706
250	1800	575	N449T		2504FCAC21A		95.0		MXTFCE	\$23,706
250	1800	460	N449T		2504FCAB21A-R		95.0	2	MXTFCE	\$24,441
250	1800	575	N449T		2504FCAC21A-R		95.0	2	MXTFCE	\$24,441
250	1200	460	N449T		2506FCAB21A-R		95.0	2	MXTFCE	\$30,229
250	1200	575	N449T		2506FCAC21A-R		95.0	2	MXTFCE	\$30,229
300	3600	460	N449TS		3003FCAB21B		95.4	4	MXTFCE	\$34,947
300	3600	575	N449TS		3003FCAC21B		95.4	4	MXTFCE	\$34,947
300	1800	460	N449T		3004FCAB21A		95.4		MXTFCE	\$26,745
300	1800	575	N449T		3004FCAC21A		95.4		MXTFCE	\$26,745
300	1800	460	N449T		3004FCAB21A-R		95.4	2	MXTFCE	\$28,245
300	1800	575	N449T		3004FCAC21A-R		95.4	2	MXTFCE	\$28,245
300	1200	460	N449T		3006FCAB21A-R		95.0	2	MXTFCE	\$39,082
300	1200	575	N449T		3006FCAC21A-R		95.0	2	MXTFCE	\$39,082
350	3600	460	N449TS		3503FCAB21B		95.4	4	MXTFCE	\$39,017
350	3600	575	N449TS		3503FCAC21B		95.4	4	MXTFCE	\$39,017
350	1800	460	N449T		3504FCAB21A		95.4		MXTFCE	\$30,073
350	1800	575	N449T		3504FCAC21A		95.4		MXTFCE	\$30,073
350	1800	460	N449T		3504FCAB21A-R		95.4	2	MXTFCE	\$31,573
350	1800	575	N449T		3504FCAC21A-R		95.4	2	MXTFCE	\$31,573
350	1200	460	N449T		3506FCAB21A-R		95.0	2	MXTFCE	\$41,204
350	1200	575	N449T		3506FCAC21A-R		95.0	2	MXTFCE	\$41,204
400	3600	460	N449TS		4003FCAB21B		95.4	4	MXTFCE	\$48,604
400	3600	575	N449TS		4003FCAC21B		95.4	4	MXTFCE	\$48,604
400	1800	460	N449T		4004FCAB21A		95.4		MXTFCE	\$41,737

Totally Enclosed Fan Cooled
EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
400	1800	575	N449T		4004FCAC21A		95.4		MXTFCE	\$41,737
400	1800	460	N449T		4004FCAB21A-R		95.4	2	MXTFCE	\$43,237
400	1800	575	N449T		4004FCAC21A-R		95.4	2	MXTFCE	\$43,237
450	3600	460	5010USS		4503FCAB21F		95.4	4	MXTFCE	\$54,686
450	3600	575	5010USS		4503FCAC21F		95.4	4	MXTFCE	\$54,686
450	1800	460	5010US		4504FCAB21E		95.4		MXTFCE	\$44,916
450	1800	575	5010US		4504FCAC21E		95.4		MXTFCE	\$44,916
450	1800	460	5010UZ		4504FCAB21G-R		95.4	2	MXTFCE	\$46,416
450	1800	575	5010UZ		4504FCAC21G-R		95.4	2	MXTFCE	\$46,416
500	3600	460	5810USS		5003FCAB21F		95.4	4	MXTFCE	\$60,759
500	3600	575	5810USS		5003FCAC21F		95.4	4	MXTFCE	\$60,759
500	1800	460	5810US		5004FCAB21E		95.8		MXTFCE	\$49,907
500	1800	575	5810US		5004FCAC21E		95.8		MXTFCE	\$49,907
500	1800	460	5810UZ		5004FCAB21G-R		95.8	2	MXTFCE	\$51,407
500	1800	575	5810UZ		5004FCAC21G-R		95.8	2	MXTFCE	\$51,407

The weights listed above are estimated.
Please contact Toshiba for information on product availability.

Totally Enclosed Fan Cooled EQPIII NEMA Premium® Efficiency



Toshiba's general purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII motor series is the cornerstone of the Toshiba product offering. This product is built to withstand the most extreme conditions and designed to meet the industry's ever-increasing need for improved energy conservation and product reliability in both indoor and outdoor applications. This motor meets the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12 and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability.

XT

Product Scope

Horsepower:	1/2 to 400 HP
Speed:	3600, 1800, or 1200 RPM (1/2 to 75 HP) 900 RPM (3/4 to 400 HP)
Voltage:	230/460, 460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 5810US
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.08 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

Standard Features:

- IP54 Protection (With Addition of Cast Iron Conduit Box)
- Insulation System's Major Components Made from Class H Materials
- Voltage Withstand Capability of 2000 V in 0.1 μs
- Inverter Duty Capability of 20:1 Constant Torque (1 to 200 HP, 4 & 6-Pole)
- L-10 Bearing Life of 150,000 Hours Directly Coupled
- L-10 Bearing Life of 40,000 Hours Belted
- Terminal Lugs on 280 Frames & Larger
- 100% No-Load Commercial Test on All Motors
- Ball-Pass Frequency Tested on Frames 440 & Larger

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1800	230/460	143T	60	B1/24FLF2AMH	1.5/0.75	82.5*		MXTFCP	\$751
0.5	1800	575	143T	60	B1/24FLF2OMH	1.2/0.60	82.5*		MXTFCP	\$751
0.5	1200	230/460	143T	60	B1/26FLF2AMH	1.8/0.9	77.0*		MXTFCP	\$886
0.5	1200	575	143T	60	B1/26FLF2OMH	0.8	78.5*		MXTFCP	\$886
0.75	1800	230/460	143T	60	B3/44FLF2AMH	2.2/1.1	85.5*		MXTFCP	\$790
0.75	1800	575	143T	60	B3/44FLF2OMH	0.85	85.5*		MXTFCP	\$790
0.75	1200	230/460	143T	60	B3/46FLF2AMH03	3/1.5	80.0*		MXTFCP	\$932
0.75	1200	230/460	143T	57	B3/46FLF2AYH	3.0/1.5	80.0*	1	MXTFCP	\$807
0.75	1200	575	143T	60	B3/46FLF2OMH03	1.2	80.0*		MXTFCP	\$888

Totally Enclosed Fan Cooled
EQP III
NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	575	143T	57	B3/46FLF2OYH	1.2	80.0*	1	MXTFCP	\$807
0.75	900	230/460	145T	62	B3/48FLF2AMH	4.2/2.1	72.0*		MXTFCP	\$1,517
0.75	900	575	145T	62	B3/48FLF2OMH	1.5	74.0*		MXTFCP	\$1,517
1	1800	230/460	143T	60	B0014FLF2AMH03	2.8/1.4	85.5		MXTFCP	\$790
1	1800	230/460	143T	60	B0014FLF2AYH	2.8/1.4	85.5	1	MXTFCP	\$684
1	1800	575	143T	60	B0014FLF2OMH03	1.1	85.5		MXTFCP	\$790
1	1800	575	143T	60	B0014FLF2OYH	1.1	85.5	1	MXTFCP	\$684
1	1200	230/460	145T	62	B0016FLF2AMH03	3.6/1.8	82.5		MXTFCP	\$983
1	1200	230/460	145T	62	B0016FLF2AYH	3.6/1.8	82.5	1	MXTFCP	\$850
1	1200	575	145T	62	B0016FLF2OMH03	1.4	82.5		MXTFCP	\$983
1	1200	575	145T	62	B0016FLF2OYH	1.4	82.5	1	MXTFCP	\$850
1	900	230/460	182T	82	B0018FLF2AMH	4.4 / 2.2	82.5*		MXTFCP	\$1,596
1	900	575	182T	82	B0018FLF2OMH	1.7	82.5*		MXTFCP	\$1,596
1.5	3600	230/460	143T	54	BY152FLF2AMH03	4.2/2.1	84.0		MXTFCP	\$895
1.5	3600	230/460	143T	54	BY152FLF2AYH	4.2/2.1	84.0	1	MXTFCP	\$745
1.5	3600	575	143T	54	BY152FLF2OMH03	1.7	84.0		MXTFCP	\$895
1.5	3600	575	143T	54	BY152FLF2OYH	1.7	84.0	1	MXTFCP	\$745
1.5	1800	230/460	145T	61	BY154FLF2AMH03	4.4/2.2	86.5		MXTFCP	\$868
1.5	1800	230/460	145T	61	BY154FLF2AYH	4.4/2.2	86.5	1	MXTFCP	\$752
1.5	1800	575	145T	61	BY154FLF2OMH03	1.8	86.5		MXTFCP	\$868
1.5	1800	575	145T	61	BY154FLF2OYH	1.8	86.5	1	MXTFCP	\$752
1.5	1200	230/460	182T	82	BY156FLF2AMH03	5/2.5	87.5		MXTFCP	\$1,049
1.5	1200	230/460	182T	82	BY156FLF2AYH	5.0/2.5	86.5	1	MXTFCP	\$907
1.5	1200	575	182T	82	BY156FLF2OMH03	2.0	86.5		MXTFCP	\$999
1.5	1200	575	182T	82	BY156FLF2OYH	2.0	86.5	1	MXTFCP	\$907
1.5	900	230/460	184T	105	BY158FLF2AMH	6.8 / 3.4	82.5*		MXTFCP	\$1,883
1.5	900	575	184T	105	BY158FLF2OMH	2.8	82.5*		MXTFCP	\$1,883
2	3600	230/460	145T	61	B0022FLF2AMH03	5.4/2.7	86.5		MXTFCP	\$1,042
2	3600	230/460	145T	61	B0022FLF2AYH	5.4/2.7	86.5	1	MXTFCP	\$903
2	3600	575	145T	61	B0022FLF2OMH03	2.2	86.5		MXTFCP	\$1,042
2	3600	575	145T	61	B0022FLF2OYH	2.2	86.5	1	MXTFCP	\$903
2	1800	230/460	145T	62	B0024FLF2AMH03	5.6/2.8	86.5		MXTFCP	\$944
2	1800	230/460	145T	62	B0024FLF2AYH	5.6/2.8	86.5	1	MXTFCP	\$818
2	1800	575	145T	62	B0024FLF2OMH03	2.2	86.5		MXTFCP	\$944
2	1800	575	145T	62	B0024FLF2OYH	2.2	86.5	1	MXTFCP	\$818
2	1200	230/460	184T	105	B0026FLF2AMH03	6.6/3.3	88.5		MXTFCP	\$1,215
2	1200	230/460	184T	105	B0026FLF2AYH	6.6/3.3	88.5	1	MXTFCP	\$1,052
2	1200	575	184T	105	B0026FLF2OMH03	2.6	88.5		MXTFCP	\$1,215
2	1200	575	184T	105	B0026FLF2OYH	2.6	88.5	1	MXTFCP	\$1,052
2	900	230/460	213T	190	B0028FLF2AMH	6.6/3.3	86.5*		MXTFCP	\$2,251
2	900	575	213T	190	B0028FLF2OMH	2.6	86.5*		MXTFCP	\$2,251
3	3600	230/460	182T	91	B0032FLF2AMH03	7.2/3.6	88.5		MXTFCP	\$1,153
3	3600	230/460	182T	91	B0032FLF2AYH	7.2/3.6	88.5	1	MXTFCP	\$955
3	3600	575	182T	91	B0032FLF2OMH03	2.9	88.5		MXTFCP	\$1,153
3	3600	575	182T	91	B0032FLF2OYH	2.9	88.5	1	MXTFCP	\$955
3	1800	230/460	182T	94	B0034FLF2AMH03	7.6/3.8	89.5		MXTFCP	\$1,084
3	1800	230/460	182T	94	B0034FLF2AYH	7.6/3.8	89.5	1	MXTFCP	\$938

Totally Enclosed Fan Cooled EQPIII NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	1800	575	182T	94	B0034FLF2OMH03	3.0	89.5		MXTFCP	\$1,084
3	1800	575	182T	94	B0034FLF2OYH	3.0	89.5	1	MXTFCP	\$938
3	1200	230/460	213T	190	B0036FLF2AMH04	8.2/4.1	90.2		MXTFCP	\$1,403
3	1200	575	213T	190	B0036FLF2OMH04	3.3	90.2		MXTFCP	\$1,403
3	900	230/460	215T	206	B0038FLF2AMH	10.0 / 5.0	87.5*		MXTFCP	\$2,810
3	900	575	215T	206	B0038FLF2OMH	4.0	87.5*		MXTFCP	\$2,810
5	3600	230/460	184T	104	B0052FLF2AMH03	11.4/5.7	89.5		MXTFCP	\$1,366
5	3600	230/460	184T	104	B0052FLF2AYH	11.4/5.7	89.5	1	MXTFCP	\$1,183
5	3600	575	184T	104	B0052FLF2OMH03	4.6	89.5		MXTFCP	\$1,366
5	3600	575	184T	104	B0052FLF2OYH	4.6	89.5	1	MXTFCP	\$1,183
5	1800	230/460	184T	106	B0054FLF2AMH03	12.6/6.3	89.5		MXTFCP	\$1,238
5	1800	230/460	184T	106	B0054FLF2AYH	12.6/6.3	89.5	1	MXTFCP	\$1,071
5	1800	575	184T	106	B0054FLF2OMH03	5.0	89.5		MXTFCP	\$1,238
5	1800	575	184T	106	B0054FLF2OYH	5.0	89.5	1	MXTFCP	\$1,071
5	1200	230/460	215T	206	B0056FLF2AMH04	13.4/6.7	90.2		MXTFCP	\$1,964
5	1200	575	215T	206	B0056FLF2OMH04	5.4	90.2		MXTFCP	\$1,964
5	900	230/460	254T	254	B0058FLF2AMH	16.0 / 8.0	90.2*		MXTFCP	\$3,735
5	900	575	254T	254	B0058FLF2OMH	6.4	90.2*		MXTFCP	\$3,735
7.5	3600	230/460	213T	185	BY752FLF2UMH04	18/9	90.2		MXTFCP	\$1,527
7.5	3600	575	213T	185	BY752FLF2OMH04	7.2	90.2		MXTFCP	\$1,527
7.5	1800	230/460	213T	179	BY754FLF2USH04	18.2/9.1	91.7		MXTFCP	\$1,454
7.5	1800	575	213T	179	BY754FLF2OSH04	7.3	91.7		MXTFCP	\$1,454
7.5	1200	230/460	254T	254	BY756FLF2USH02	19.6/9.8	91.7		MXTFCP	\$2,476
7.5	1200	575	254T	254	BY756FLF2OSH02	7.8	91.7		MXTFCP	\$2,476
7.5	900	230/460	256T	327	BY758FLF2USH	23.0 / 11.5	90.2*		MXTFCP	\$4,713
7.5	900	575	256T	327	BY758FLF2OSH	9.0	90.2*		MXTFCP	\$4,713
10	3600	230/460	215T	202	B0102FLF2UMH04	23/11.5	90.2		MXTFCP	\$1,832
10	3600	575	215T	202	B0102FLF2OMH04	9.2	90.2		MXTFCP	\$1,832
10	1800	230/460	215T	210	B0104FLF2USH04	24/12	91.7		MXTFCP	\$1,769
10	1800	575	215T	210	B0104FLF2OSH04	9.6	91.7		MXTFCP	\$1,769
10	1200	230/460	256T	327	B0106FLF2USH02	26/13	92.4		MXTFCP	\$3,025
10	1200	575	256T	327	B0106FLF2OSH02	10.4	92.4		MXTFCP	\$3,025
10	900	230/460	284T	380	B0108FLF2USH	30.0 / 15.0	90.2*		MXTFCP	\$5,503
10	900	575	284T	380	B0108FLF2OSH	11.8	90.2*		MXTFCP	\$5,503
15	3600	230/460	254T	320	B0152FLF2USH02	34/17	91.7		MXTFCP	\$2,519
15	3600	575	254T	320	B0152FLF2OSH02	13.6	91.7		MXTFCP	\$2,519
15	1800	230/460	254T	310	B0154FLF2USH02	37/18.5	92.4		MXTFCP	\$2,388
15	1800	575	254T	310	B0154FLF2OSH02	14.8	92.4		MXTFCP	\$2,388
15	1200	230/460	284T	380	B0156FLF3UMH02	38/19	92.4		MXTFCP	\$4,241
15	1200	575	284T	380	B0156FLF3OMH02	15.2	92.4		MXTFCP	\$4,241
15	900	230/460	286T	424	B0158FLF3UMH	42.0 / 21.0	90.2*		MXTFCP	\$7,162
15	900	575	286T	424	B0158FLF3OMH	17.8	90.2*		MXTFCP	\$7,162
20	3600	230/460	256T	346	B0202FLF2USH02	44/22	92.4		MXTFCP	\$3,108
20	3600	575	256T	346	B0202FLF2OSH02	17.6	92.4		MXTFCP	\$3,108
20	1800	230/460	256T	345	B0204FLF2USH02	50/25	93.0		MXTFCP	\$2,950
20	1800	575	256T	345	B0204FLF2OSH02	20	93.0		MXTFCP	\$2,950
20	1200	230/460	286T	490	B0206FLF3UMH02	50/25	91.7		MXTFCP	\$4,967

Totally Enclosed Fan Cooled
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NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
20	1200	575	286T	490	B0206FLF3OMH02	20	91.7		MXTFCP	\$4,967
20	900	230/460	324T	567	B0208FLF3UMH	60.0 / 30.0	91.7*		MXTFCP	\$8,755
20	900	575	324T	567	B0208FLF3OMH	24	91.7*		MXTFCP	\$8,755
25	3600	230/460	284TS	425	B0252FLG3UMH02	56/28	92.4		MXTFCP	\$4,005
25	3600	575	284TS	425	B0252FLG3OMH02	22	92.4		MXTFCP	\$4,005
25	1800	230/460	284T	443	B0254FLF3UMH02	58/29	93.6		MXTFCP	\$3,578
25	1800	575	284T	443	B0254FLF3OMH02	24	93.6		MXTFCP	\$3,578
25	1200	230/460	324T	567	B0256FLF3UMH02	64/32	93.0		MXTFCP	\$6,330
25	1200	575	324T	567	B0256FLF3OMH02	26	93.0		MXTFCP	\$6,330
25	900	230/460	326T	631	B0258FLF3UMH	76.0 / 38.0	91.7*		MXTFCP	\$10,180
25	900	575	326T	631	B0258FLF3OMH	30	91.7*		MXTFCP	\$10,180
30	3600	230/460	286TS	463	B0302FLG3UMH02	66/33	92.4		MXTFCP	\$4,471
30	3600	575	286TS	463	B0302FLG3OMH02	26	92.4		MXTFCP	\$4,471
30	1800	230/460	286T	475	B0304FLF3UMH02	70/35	93.6		MXTFCP	\$4,302
30	1800	575	286T	475	B0304FLF3OMH02	29.0	93.6		MXTFCP	\$4,302
30	1200	230/460	326T	631	B0306FLF3UMH02	76/38	93.6		MXTFCP	\$7,360
30	1200	575	326T	631	B0306FLF3OMH02	30	93.6		MXTFCP	\$7,360
30	900	230/460	364T	714	B0308FLF3UMH	84.0 / 42.0	92.4*		MXTFCP	\$12,047
30	900	575	364T	714	B0308FLF3OMH	34	92.4*		MXTFCP	\$12,047
40	3600	230/460	324TS	535	B0402FLG3UMH02	92/46	93.0		MXTFCP	\$5,797
40	3600	575	324TS	535	B0402FLG3OMH02	37	93.0		MXTFCP	\$5,797
40	1800	230/460	324T	569	B0404FLF3USH02	94/47	94.1		MXTFCP	\$5,562
40	1800	575	324T	569	B0404FLF3OSH02	38	94.1		MXTFCP	\$5,562
40	1200	230/460	364T	714	B0406FLF3UMH02	96/48	94.1		MXTFCP	\$9,629
40	1200	575	364T	714	B0406FLF3OMH02	38	94.1		MXTFCP	\$9,629
40	900	230/460	365T	771	B0408FLF3UMH	114.0 / 57.0	93.0*		MXTFCP	\$14,569
40	900	575	365T	771	B0408FLF3OMH	45.0	93.0*		MXTFCP	\$14,569
50	3600	230/460	326TS	610	B0502FLG3UMH02	114/57	93.0		MXTFCP	\$7,654
50	3600	575	326TS	610	B0502FLG3OMH02	46.0	93.0		MXTFCP	\$7,654
50	1800	230/460	326T	634	B0504FLF3USH02	120/60	94.5		MXTFCP	\$6,783
50	1800	575	326T	634	B0504FLF3OSH02	48	94.1		MXTFCP	\$6,783
50	1200	230/460	365T	771	B0506FLF3UMH02	122/61	94.1		MXTFCP	\$11,241
50	1200	575	365T	771	B0506FLF3OMH02	48	94.1		MXTFCP	\$11,241
50	900	230/460	404T	1241	B0508FLF3UMH	152.0 / 76.0	93.6*		MXTFCP	\$17,407
50	900	575	404T	1241	B0508FLF3OMH	62	93.6*		MXTFCP	\$17,407
60	3600	230/460	364TS	730	B0602FLG3UMH02	140/70	93.6		MXTFCP	\$9,432
60	3600	575	364TS	730	B0602FLG3OMH02	56.0	93.6		MXTFCP	\$9,432
60	1800	230/460	364T	781	B0604FLF3UMH02	142/71	95.0		MXTFCP	\$9,559
60	1800	575	364T	781	B0604FLF3OMH02	57	95.0		MXTFCP	\$9,559
60	900	230/460	405T	1319	B0608FLF3USH	196/98	93.6*		MXTFCP	\$19,884
60	900	575	405T	1319	B0608FLF3OSH	75.0	93.6*		MXTFCP	\$19,884
75	3600	230/460	365TS	773	B0752FLG3UMH02	174/87	93.6		MXTFCP	\$11,878
75	3600	575	365TS	773	B0752FLG3OMH02	70.0	93.6		MXTFCP	\$11,878
75	1800	230/460	365T	839	B0754FLF3UMH02	178/89	95.4		MXTFCP	\$12,315
75	1800	575	365T	839	B0754FLF3OMH02	71	95.4		MXTFCP	\$12,315
75	900	230/460	444T	1786	B0758FLF4USH	222/111	94.5*	2	MXTFCP	\$26,205
75	900	575	444T	1786	B0758FLF4OSH	99	94.5*	2	MXTFCP	\$26,205

Totally Enclosed Fan Cooled EQPIII NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
100	900	230/460	445T	1941	B1008FLF4USH	304/152	93.6*	2	MXTFCP	\$32,398
100	900	575	445T	1941	B1008FLF4OSH	125	93.6*	2	MXTFCP	\$32,398
125	900	460	447T	2800	B1258FLF4BMH	193	93.6*	2	MXTFCP	\$34,521
125	900	460	N449T	3800	B1258FLF4BMHL	156	95.0*	2	MXTFCP	\$38,061
125	900	575	447T	2800	B1258FLF4OMH	155	93.6*	2	MXTFCP	\$34,521
125	900	575	N449T	3800	B1258FLF4OMHL	125	95.0*	2	MXTFCP	\$38,061
150	900	460	N449T	3820	B1508FLF4BMHL	186	95.0*	2	MXTFCP	\$43,906
150	900	460	505US	2800	B1508FLG3BMH	212	95.4*		MXTFCP	\$54,881
150	900	460	505UZ	2629	B1508FLF4BMH	212	95.4*	2	MXTFCP	\$58,092
150	900	575	N449T	3820	B1508FLF4OMHL	150	95.0*	2	MXTFCP	\$43,906
150	900	575	505US	2800	B1508FLG3OMH	165	95.4*		MXTFCP	\$54,881
150	900	575	505UZ	2629	B1508FLF4OMH	165	95.4*	2	MXTFCP	\$58,092
200	900	460	N449T	3685	B2008FLF4BMHL	249	95.0*	2	MXTFCP	\$49,007
200	900	460	5010US	4650	B2008FLG3BMH	361	95.4*		MXTFCP	\$61,258
200	900	460	5010UZ	4650	B2008FLF4BMH	361	95.4*	2	MXTFCP	\$64,469
200	900	575	N449T	3685	B2008FLF4OMHL	199	95.0*	2	MXTFCP	\$49,007
200	900	575	5010US	4650	B2008FLG3OMH	278	95.4*		MXTFCP	\$61,258
200	900	575	5010UZ	4650	B2008FLF4OMH	278	95.4*	2	MXTFCP	\$64,469
250	900	460	N449T	3930	B2508FLF4BMHL	336	94.5*	2	MXTFCP	\$61,247
250	900	460	N587US		B2508FLF4BMH	321	95.0*	2	MXTFCP	\$64,309
250	900	575	N449T	3930	B2508FLF4OMHL	269	94.5*	2	MXTFCP	\$61,247
250	900	575	N587US		B2508FLF4OMH	257	95.0*	2	MXTFCP	\$64,309
300	900	460	5810US	6093	F3008FLG3BMH	388	95.0*		MXTFCP	\$65,646
300	900	460	5810UZ	6093	F3008FLF4BMH	388	95.0*	2	MXTFCP	\$69,339
300	900	575	5810US	6093	F3008FLG3OMH	310	95.0*		MXTFCP	\$65,646
300	900	575	5810UZ	6093	F3008FLF4OMH	310	95.0*	2	MXTFCP	\$69,339
350	900	460	5810US		F3508FLG3BMH	444	95.4*		MXTFCP	\$76,587
350	900	460	5810UZ		F3508FLF4BMH	444	95.4*	2	MXTFCP	\$80,279
350	900	575	5810US		F3508FLG3OMH	356	95.4*		MXTFCP	\$76,587
350	900	575	5810UZ		F3508FLF4OMH	356	95.4*	2	MXTFCP	\$80,279
400	900	460	5810US		F4008FLG3BMH				MXTFCP	\$87,528
400	900	460	5810UZ		F4008FLF4BMH			2	MXTFCP	\$91,220
400	900	575	5810US		F4008FLG3OMH				MXTFCP	\$87,528
400	900	575	5810UZ		F4008FLF4OMH			2	MXTFCP	\$91,220

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Totally Enclosed
Fan Cooled
EQPIII C-Face Footed
NEMA Premium®
Efficiency



Toshiba’s general purpose XT, totally enclosed fan cooled, NEMA Premium®efficiency, EQPIII C-Face Footed motor series is the cornerstone of the Toshiba product offering. This product is built to withstand the most extreme conditions and designed to meet the industry’s ever-increasing need for improved energy conservation and product reliability in both indoor and outdoor applications. This motor meets the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12 and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability.



Product Scope

Horsepower:	3/4 to 75 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143TC to 365TC
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.08 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	230/460	143TC	57	B3/46FLT2AMH	3.0/1.5	80.0*		MXTFCP	\$1,008
0.75	1200	575	143TC	57	B3/46FLT2OMH	1.2	80.0*		MXTFCP	\$1,008
1	1800	230/460	143TC	58	B0014FLT2AMH	2.8/1.4	85.5		MXTFCP	\$872
1	1800	230/460	143TC	58	B0014FLT2AYH	2.8/1.4	85.5	1	MXTFCP	\$805
1	1800	575	143TC	58	B0014FLT2OMH	1.1	85.5		MXTFCP	\$872
1	1200	230/460	145TC	62	B0016FLT2AMH	3.6/1.8	82.5		MXTFCP	\$1,056
1	1200	575	145TC	62	B0016FLT2OMH	1.4	82.5		MXTFCP	\$1,056
1.5	3600	230/460	143TC	54	BY152FLT2AMH	4.2/2.1	84.0		MXTFCP	\$973
1.5	3600	575	143TC	54	BY152FLT2OMH	1.7	84.0		MXTFCP	\$973
1.5	1800	230/460	145TC	54	BY154FLT2AMH	4.4/2.2	86.5		MXTFCP	\$947
1.5	1800	230/460	145TC	54	BY154FLT2AYH	4.4/2.2	86.5	1	MXTFCP	\$872
1.5	1800	575	145TC	54	BY154FLT2OMH	1.8	86.5		MXTFCP	\$947
1.5	1200	230/460	182TC	82	BY156FLT2AMH	5.0/2.5	87.5		MXTFCP	\$1,120
1.5	1200	575	182TC	82	BY156FLT2OMH	2.0	86.5		MXTFCP	\$1,120
2	3600	230/460	145TC	54	B0022FLT2AMH	5.4/2.7	86.5		MXTFCP	\$1,113
2	3600	575	145TC	54	B0022FLT2OMH	2.2	86.5		MXTFCP	\$1,113
2	1800	230/460	145TC	62	B0024FLT2AMH	5.6/2.8	86.5		MXTFCP	\$1,019
2	1800	230/460	145TC	62	B0024FLT2AYH	5.6/2.8	86.5	1	MXTFCP	\$938
2	1800	575	145TC	62	B0024FLT2OMH	2.2	86.5		MXTFCP	\$1,019
2	1200	230/460	184TC	95	B0026FLT2AMH	6.6/3.3	88.5		MXTFCP	\$1,277
2	1200	575	184TC	95	B0026FLT2OMH	2.6	88.5		MXTFCP	\$1,277

Totally Enclosed Fan Cooled EQPIII C-Face Footed NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	3600	230/460	182TC	95	B0032FLT2AMH	7.2/3.6	88.5		MXTFCP	\$1,218
3	3600	575	182TC	95	B0032FLT2OMH	2.9	88.5		MXTFCP	\$1,218
3	1800	230/460	182TC	95	B0034FLT2AMH	7.6/3.8	89.5		MXTFCP	\$1,152
3	1800	230/460	182TC	95	B0034FLT2AYH	7.6/3.8	89.5	1	MXTFCP	\$1,102
3	1800	575	182TC	95	B0034FLT2OMH	3.0	89.5		MXTFCP	\$1,152
3	1200	230/460	213TC	137	B0036FLT2AMH	8.2/4.1	90.2		MXTFCP	\$1,511
3	1200	575	213TC	137	B0036FLT2OMH	3.3	90.2		MXTFCP	\$1,511
5	3600	230/460	184TC	95	B0052FLT2AMH	11.4/5.7	89.5		MXTFCP	\$1,422
5	3600	575	184TC	95	B0052FLT2OMH	4.6	89.5		MXTFCP	\$1,422
5	1800	230/460	184TC	106	B0054FLT2AMH	12.6/6.3	89.5		MXTFCP	\$1,299
5	1800	230/460	184TC	106	B0054FLT2AYH	12.6/6.3	89.5	1	MXTFCP	\$1,235
5	1800	575	184TC	106	B0054FLT2OMH	5.0	89.5		MXTFCP	\$1,299
5	1200	230/460	215TC	206	B0056FLT2AMH	13.4/6.7	90.2		MXTFCP	\$2,139
5	1200	575	215TC	206	B0056FLT2OMH	5.4	90.2		MXTFCP	\$2,139
7.5	3600	230/460	213TC	180	BY752FLT2UMH	18/9	90.2		MXTFCP	\$1,629
7.5	3600	575	213TC	180	BY752FLT2OMH	7.2	90.2		MXTFCP	\$1,629
7.5	1800	230/460	213TC	180	BY754FLT2USH	18.2/9.1	91.7		MXTFCP	\$1,629
7.5	1800	575	213TC	180	BY754FLT2OSH	7.3	91.7		MXTFCP	\$1,629
7.5	1200	230/460	254TC	284	BY756FLT2USH	19.6/9.8	91.7		MXTFCP	\$2,771
7.5	1200	575	254TC	284	BY756FLT2OSH	7.8	91.7		MXTFCP	\$2,771
10	3600	230/460	215TC	202	B0102FLT2UMH	23/11.5	90.2		MXTFCP	\$1,920
10	3600	575	215TC	202	B0102FLT2OMH	9.2	90.2		MXTFCP	\$1,920
10	1800	230/460	215TC	201	B0104FLT2USH	24/12	91.7		MXTFCP	\$1,944
10	1800	575	215TC	201	B0104FLT2OSH	9.6	91.7		MXTFCP	\$1,944
10	1200	230/460	256TC	327	B0106FLT2USH	26/13	92.4		MXTFCP	\$3,320
10	1200	575	256TC	327	B0106FLT2OSH	10.4	92.4		MXTFCP	\$3,320
15	3600	230/460	254TC	310	B0152FLT2USH	34/17	91.7		MXTFCP	\$2,695
15	3600	575	254TC	310	B0152FLT2OSH	13.6	91.7		MXTFCP	\$2,695
15	1800	230/460	254TC	310	B0154FLT2USH	37/18.5	92.4		MXTFCP	\$2,684
15	1800	575	254TC	310	B0154FLT2OSH	14.8	92.4		MXTFCP	\$2,684
20	3600	230/460	256TC	310	B0202FLT2USH	44/22	92.4		MXTFCP	\$3,403
20	3600	575	256TC	310	B0202FLT2OSH	17.6	92.4		MXTFCP	\$3,403
20	1800	230/460	256TC	340	B0204FLT2USH	50/25	93.0		MXTFCP	\$3,246
20	1800	575	256TC	340	B0204FLT2OSH	20	93.0		MXTFCP	\$3,246
25	3600	230/460	284TSC	425	B0252FLT3UMH	56/28	92.4		MXTFCP	\$4,252
25	3600	575	284TSC	425	B0252FLT3OMH	22	92.4		MXTFCP	\$4,252
25	1800	230/460	284TC	443	B0254FLT3UMH	58/29	93.6		MXTFCP	\$4,016
25	1800	575	284TC	443	B0254FLT3OMH	24	93.6		MXTFCP	\$4,016
30	3600	230/460	286TSC	409	B0302FLT3UMH	66/33	92.4		MXTFCP	\$4,821
30	3600	575	286TSC	409	B0302FLT3OMH	26	92.4		MXTFCP	\$4,821
30	1800	230/460	286TC	475	B0304FLT3UMH	70/35	93.6		MXTFCP	\$4,740
30	1800	575	286TC	475	B0304FLT3OMH	29	93.6		MXTFCP	\$4,740
40	3600	230/460	324TSC	514	B0402FLT3UMH	92/46	93.0		MXTFCP	\$6,002
40	3600	575	324TSC	514	B0402FLT3OMH	37	93.0		MXTFCP	\$6,002
40	1800	230/460	324TC	569	B0404FLT3USH	94/47	94.1		MXTFCP	\$6,044
40	1800	575	324TC	569	B0404FLT3OSH	38	94.1		MXTFCP	\$6,044

Totally Enclosed Fan Cooled

EQPIII C-Face Footed

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
50	3600	230/460	326TSC	514	B0502FLU3UMH	114/57	93.0		MXTFCP	\$8,135
50	3600	575	326TSC	514	B0502FLU3OMH	46	93.0		MXTFCP	\$8,135
50	1800	230/460	326TC	634	B0504FLT3USH	120/60	94.5		MXTFCP	\$7,264
50	1800	575	326TC	634	B0504FLT3OSH	48	94.1		MXTFCP	\$7,264
60	3600	230/460	364TSC	736	B0602FLU3UMH	140/70	93.6		MXTFCP	\$10,307
60	3600	575	364TSC	736	B0602FLU3OMH	56	93.6		MXTFCP	\$10,307
60	1800	230/460	364TC	781	B0604FLT3UMH	142/71	95.0		MXTFCP	\$10,434
60	1800	575	364TC	781	B0604FLT3OMH	57	96.0		MXTFCP	\$10,434
75	3600	230/460	365TSC	736	B0752FLU3UMH	174/87	93.6		MXTFCP	\$12,753
75	3600	575	365TSC	736	B0752FLU3OMH	70	93.6		MXTFCP	\$12,753
75	1800	230/460	365TC	839	B0754FLT3UMH	178/89	95.4		MXTFCP	\$13,190
75	1800	575	365TC	839	B0754FLT3OMH	71	95.4		MXTFCP	\$13,190

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Totally Enclosed Fan Cooled C-Face Footless High Efficiency



Toshiba's general purpose XT, totally enclosed fan cooled, high efficiency, C-Face Footless motor series is designed to meet the industry's ever-increasing need for improved energy conservation and product performance. This product line offers exceptionally high torque and a low vibration design, leading to longer life and greater reliability.

XT

Product Scope

Horsepower:	1/2 to 2 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	56C Frame
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1800	230/460	56C	47	B1/24EMC2AOZ	1.7/0.85	78.5	1	MXTFCS	\$468
0.5	1800	575	56C	47	B1/24EMC2OOZ	0.68	78.5	1	MXTFCS	\$468
0.5	1200	230/460	56C	51	B1/26FMC2AOZ	2.0/1.0	77.0	1	MXTFCS	\$654
0.5	1200	575	56C	51	B1/26FMC2OOZ	0.8	77.0	1	MXTFCS	\$654
0.75	3600	230/460	56C	47	B3/42FMC2AOZ	2.2/1.1	77.0	1	MXTFCS	\$430
0.75	3600	575	56C	47	B3/42FMC2OOZ	0.88	77.0	1	MXTFCS	\$430
0.75	1800	230/460	56C	54	B3/44FMC2AOZ	2.2/1.1	81.5	1	MXTFCS	\$500
0.75	1800	575	56C	54	B3/44FMC2OOZ	0.88	81.5	1	MXTFCS	\$500
0.75	1200	230/460	56C	51	B3/46FLC2AOZ	2.8/1.4	78.5	1	MXTFCS	\$684
0.75	1200	575	56C	51	B3/46FLC2OOZ	1.1	78.5	1	MXTFCS	\$684
1	3600	230/460	56C	48	B0012FMC2AOZ	2.7/1.35	80.0	1	MXTFCS	\$509
1	3600	575	56C	48	B0012FMC2OOZ	1.1	80.0	1	MXTFCS	\$509
1	1800	230/460	56C	54	B0014FLC2AOZ	2.9/1.45	82.5	1	MXTFCS	\$533
1	1800	575	56C	54	B0014FLC2OOZ	1.2	82.5	1	MXTFCS	\$533
1	1200	230/460	56C	52	B0016FLC2AOZ	3.7/1.85	78.5	1	MXTFCS	\$671
1	1200	575	56C	52	B0016FLC2OOZ	1.5	78.5	1	MXTFCS	\$671
1.5	3600	230/460	56C	51	BY152FLC2AOZ	3.8/1.9	82.5	1	MXTFCS	\$560
1.5	3600	575	56C	51	BY152FLC2OOZ	1.6	82.5	1	MXTFCS	\$560
1.5	1800	230/460	56C	52	BY154FLC2AOZ	4.5/2.25	81.5	1	MXTFCS	\$566
1.5	1800	575	56C	52	BY154FLC2OOZ	1.8	81.5	1	MXTFCS	\$566
1.5	1200	230/460	56C	56	BY156FLC2AOZ	5.4/2.7	78.5	1	MXTFCS	\$765
1.5	1200	575	56C	56	BY156FLC2OOZ	2.2	78.5	1	MXTFCS	\$765
2	3600	230/460	56C	52	B0022FLC2AOZ	5.2/2.6	84.0	1	MXTFCS	\$638
2	3600	575	56C	52	B0022FLC2OOZ	2.1	84.0	1	MXTFCS	\$638
2	1800	230/460	56C	53	B0024FLC2AOZ	5.8/2.9	84.0	1	MXTFCS	\$605
2	1800	575	56C	53	B0024FLC2OOZ	2.3	84.0	1	MXTFCS	\$605

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Totally Enclosed

Fan Cooled

EQPIII C-Face Footless

NEMA Premium®

Efficiency



Toshiba’s general purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII C-Face Footless motor series is the cornerstone of the Toshiba product offering. This product is built to withstand the most extreme conditions and designed to meet the industry’s ever-increasing need for improved energy conservation and product reliability in both indoor and outdoor applications. This motor meets the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12 and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability.



Product Scope

Horsepower:	3/4 to 75 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143TC to 365TC
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.08 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	230/460	143TC	57	B3/46FLC2AMH02	3.0/1.5	80.0*		MXTFCP	\$1,063
0.75	1200	575	143TC	57	B3/46FLC2OMH02	1.2	80.0*		MXTFCP	\$1,063
1	1800	230/460	143TC	58	B0014FLC2AMH02	2.8/1.4	85.5		MXTFCP	\$927
1	1800	575	143TC	58	B0014FLC2OMH02	2.8/1.4	85.5		MXTFCP	\$927
1	1200	230/460	145TC	62	B0016FLC2AMH02	3.6/1.8	82.5		MXTFCP	\$1,111
1	1200	575	145TC	62	B0016FLC2OMH02	1.4	82.5		MXTFCP	\$1,111
1.5	3600	230/460	143TC	54	BY152FLC2AMH02	4.2/2.1	84.0		MXTFCP	\$1,028
1.5	3600	575	143TC	54	BY152FLC2OMH02	1.7	84.0		MXTFCP	\$1,028
1.5	1800	230/460	145TC	61	BY154FLC2AMH02	4.4/2.2	86.5		MXTFCP	\$1,001
1.5	1800	575	145TC	61	BY154FLC2OMH02	1.8	86.5		MXTFCP	\$1,001
1.5	1200	230/460	182TC	82	BY156FLC2AMH02	5.0/2.5	87.5		MXTFCP	\$1,174
1.5	1200	575	182TC	82	BY156FLC2OMH02	2.0	86.5		MXTFCP	\$1,174
2	3600	230/460	145TC	61	B0022FLC2AMH02	5.4/2.7	86.5		MXTFCP	\$1,168
2	3600	575	145TC	61	B0022FLC2OMH02	2.2	86.5		MXTFCP	\$1,168
2	1800	230/460	145TC	62	B0024FLC2AMH02	5.6/2.8	86.5		MXTFCP	\$1,074
2	1800	575	145TC	62	B0024FLC2OMH02	2.2	86.5		MXTFCP	\$1,074
2	1200	230/460	184TC	105	B0026FLC2AMH02	6.6/3.3	88.5		MXTFCP	\$1,332
2	1200	575	184TC	105	B0026FLC2OMH02	2.6	88.5		MXTFCP	\$1,332
3	3600	230/460	182TC	91	B0032FLC2AMH02	7.2/3.6	88.5		MXTFCP	\$1,273
3	3600	575	182TC	91	B0032FLC2OMH02	2.9	88.5		MXTFCP	\$1,273
3	1800	230/460	182TC	95	B0034FLC2AMH02	7.6/3.8	89.5		MXTFCP	\$1,207

Totally Enclosed Fan Cooled EQPIII C-Face Footless NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	1800	575	182TC	95	B0034FLC2OMH02	3.0	89.5		MXTFCP	\$1,207
3	1200	230/460	213TC	137	B0036FLC2AMH01	8.2/4.1	90.2		MXTFCP	\$1,555
3	1200	575	213TC	137	B0036FLC2OMH01	3.3	90.2		MXTFCP	\$1,555
5	3600	230/460	184TC	104	B0052FLC2AMH02	11.4/5.7	89.5		MXTFCP	\$1,476
5	3600	575	184TC	104	B0052FLC2OMH02	4.6	89.5		MXTFCP	\$1,476
5	1800	230/460	184TC	106	B0054FLC2AMH02	12.6/6.3	89.5		MXTFCP	\$1,354
5	1800	575	184TC	106	B0054FLC2OMH02	5.0	89.5		MXTFCP	\$1,354
5	1200	230/460	215TC	206	B0056FLC2AMH01	13.4/6.7	90.2		MXTFCP	\$2,183
5	1200	575	215TC	206	B0056FLC2OMH01	5.4	90.2		MXTFCP	\$2,183
7.5	3600	230/460	213TC	185	BY752FLC2UMH01	18/9	90.2		MXTFCP	\$1,673
7.5	3600	575	213TC	185	BY752FLC2OMH01	7.2	90.2		MXTFCP	\$1,673
7.5	1800	230/460	213TC	180	BY754FLC2USH01	18.2/9.1	91.7		MXTFCP	\$1,673
7.5	1800	575	213TC	180	BY754FLC2OSH01	7.3	91.7		MXTFCP	\$1,673
7.5	1200	230/460	254TC	254	BY756FLC2USH01	19.6/9.8	91.7		MXTFCP	\$2,826
7.5	1200	575	254TC	254	BY756FLC2OSH01	7.8	91.7		MXTFCP	\$2,826
10	3600	230/460	215TC	202	B0102FLC2UMH01	23/11.5	90.2		MXTFCP	\$1,964
10	3600	575	215TC	202	B0102FLC2OMH01	9.2	90.2		MXTFCP	\$1,964
10	1800	230/460	215TC	201	B0104FLC2USH01	24/12	91.7		MXTFCP	\$1,988
10	1800	575	215TC	201	B0104FLC2OSH01	9.6	91.7		MXTFCP	\$1,988
10	1200	230/460	256TC	327	B0106FLC2USH01	26/13	92.4		MXTFCP	\$3,375
10	1200	575	256TC	327	B0106FLC2OSH01	10.4	92.4		MXTFCP	\$3,375
15	3600	230/460	254TC	396	B0152FLC2USH01	34/17	91.7		MXTFCP	\$2,749
15	3600	575	254TC	396	B0152FLC2OSH01	13.6	91.7		MXTFCP	\$2,749
15	1800	230/460	254TC	296	B0154FLC2USH01	37/18.5	92.4		MXTFCP	\$2,738
15	1800	575	254TC	296	B0154FLC2OSH01	14.8	92.4		MXTFCP	\$2,738
20	3600	230/460	256TC	346	B0202FLC2USH01	44/22	92.4		MXTFCP	\$3,458
20	3600	575	256TC	346	B0202FLC2OSH01	17.6	92.4		MXTFCP	\$3,458
20	1800	230/460	256TC	330	B0204FLC2USH01	50/25	93.0		MXTFCP	\$3,300
20	1800	575	256TC	330	B0204FLC2OSH01	20	93.0		MXTFCP	\$3,300
25	3600	230/460	284TSC	409	B0252FLC3UMH02	56/28	92.4		MXTFCP	\$4,329
25	3600	575	284TSC	409	B0252FLC3OMH02	22	92.4		MXTFCP	\$4,329
25	1800	230/460	284TC	443	B0254FLC3UMH02	58/29	93.6		MXTFCP	\$4,092
25	1800	575	284TC	443	B0254FLC3OMH02	24	93.6		MXTFCP	\$4,092
30	3600	230/460	286TSC	432	B0302FLC3UMH02	66/33	92.4		MXTFCP	\$4,897
30	3600	575	286TSC	432	B0302FLC3OMH02	26	92.4		MXTFCP	\$4,897
30	1800	230/460	286TC	427	B0304FLC3UMH02	70/35	93.6		MXTFCP	\$4,816
30	1800	575	286TC	427	B0304FLC3OMH02	29	93.6		MXTFCP	\$4,816
40	3600	230/460	324TSC	527	B0402FLC3UMH01	92/46	93.0		MXTFCP	\$6,199
40	3600	575	324TSC	527	B0402FLC3OMH01	37	93.0		MXTFCP	\$6,199
40	1800	230/460	324TC	569	B0404FLC3USH02	94/47	94.1		MXTFCP	\$6,240
40	1800	575	324TC	569	B0404FLC3OSH02	38	94.1		MXTFCP	\$6,240
50	3600	230/460	326TSC	593	B0502FLC3UMH01	114/57	93.0		MXTFCP	\$8,332
50	3600	575	326TSC	593	B0502FLC3OMH01	46	93.0		MXTFCP	\$8,332
50	1800	230/460	326TC	634	B0504FLC3USH02	120/60	94.5		MXTFCP	\$7,461
50	1800	575	326TC	634	B0504FLC3OSH02	48	94.1		MXTFCP	\$7,461
60	3600	230/460	364TSC	774	B0602FLC3UMH01	140/70	93.6		MXTFCP	\$10,493
60	3600	575	364TSC	774	B0602FLC3OMH01	56	93.6		MXTFCP	\$10,493

Totally Enclosed Fan Cooled

EQPIII C-Face Footless

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
60	1800	230/460	364TC	845	B0604FLC3UMH02	142/71	95.0		MXTFCP	\$10,620
60	1800	575	364TC	845	B0604FLC3OMH02	57	96.0		MXTFCP	\$10,620
75	3600	230/460	365TSC	793	B0752FLC3UMH02	174/87	93.6		MXTFCP	\$12,939
75	3600	575	365TSC	793	B0752FLC3OMH02	70	93.6		MXTFCP	\$12,939
75	1800	230/460	365TC	793	B0754FLC3UMH02	178/89	95.4		MXTFCP	\$13,376
75	1800	575	365TC	793	B0754FLC3OMH02	71	95.4		MXTFCP	\$13,376

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

General Purpose XT Series

EQPIII-840 Motors

XT

Toshiba's general purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII-840 motor series addresses the special requirements of the mill and chemical industries where motor performance and reliability are imperative. The EQPIII-840 is built using the cornerstone of the Toshiba motor product offering as a base. This high-end product incorporates many of the key features of an IEEE-841 motor in a cost-effective package. Designed for indoor and outdoor use, it is the perfect solution for applications where IEEE-841 requirements are not mandated. Its performance offers 20 to 1 constant torque, oversized bearings, IP54 or IP55 protection, Class F insulation system and NEMA Premium® design meeting the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12.

Standard Features:

- Totally Enclosed Fan Cooled, Severe Duty
- NEMA Premium® Efficiency
- 460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Inverter Duty- Exceeds Insulation Requirements on NEMA MG1 Part 31
- IP54 Protection on 140 through 280 Frames & IP55 Protection on 320 through 5810 Frames
- Lead Lugs on All Ratings 210 Frames & Larger
- Cast Iron Conduit Box
- Cast Iron Fan Cover on Frames 140T through 449T
- Heavy Gauge Fabricated Steel Fan Cover on 5010U through 5810U
- Cast Iron Frame & Brackets
- Breather Drains
- V-Ring Shaft Seal (143T through 286T)
- Labyrinth Seal on Both Ends (324T through 5810U)
- Dual-Drilled for Multiple Mounting
- Extended Grease Tubes
- Re-Greaseable Bearings on 280 Frame & Larger
- Roller Bearing Standard on all 440T & Larger
- Lead Separator Gasket
- Protective Coating on all Internal Components
- No Load Commercial Testing on All Motors
- Vibration Testing on All Motors
- 4142 High Strength Shaft Steel on all 440 Frame & Larger Roller Bearing Motors
- 20:1 Constant Torque, 60:1 Variable Torque Standard on all 1 to 200 HP, 4 & 6-Pole Motors

3 Year Warranty

Applications:

- Refineries
- Automotive
- Pulp & Paper
- Forest Products
- Mining
- Foundries
- Cement & Asphalt

Warranty:

- From Date of Shipment: 36 Months



Totally Enclosed Fan Cooled

EQPIII-840

NEMA Premium® Efficiency



Toshiba’s general purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII-840 motor series addresses the special requirements of the mill and chemical industries where motor performance and reliability are imperative. The EQPIII-840 is built using the cornerstone of the Toshiba motor product offering as a base. This high-end product incorporates many of the key features of an IEEE-841 motor in a cost-effective package. Designed for indoor and outdoor use, it is the perfect solution for applications where IEEE-841 requirements are not mandated. Its performance offers 20 to 1 constant torque, oversized bearings, IP54 or IP55 protection, Class F insulation system and NEMA Premium® design meeting the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12.



Product Scope

Horsepower:	3/4 to 400 HP
Speed:	3600, 1800, or 1200 (1 to 75 HP) 900 RPM (3/4 to 400 HP)
Volt:	460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 5010US
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.06 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

Standard Features:

- 100% No-Load Commercial Test on all Motors
- On 440T & Larger:
 - Vibration Test Report
 - 100% of Bearings are Ball-Pass Frequency Tested
- Commercial Test Report Supplied with Motor
- Voltage Withstand Capability of 2000 V in 0.1 μs
- Separate Lubrication Label

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	460	143T	72	B3/46FLF1BMHD02	1.5	80.0*		MXT840	\$949
0.75	1200	460	143T	72	B3/46FLF1BYHD	1.5	80.0*	1	MXT840	\$863
0.75	1200	575	143T	72	B3/46FLF1OMHD02	1.2	80.0*		MXT840	\$949
0.75	900	460	145T	76	B3/48FLF1BMHD	2.1	72.0*		MXT840	\$1,561
0.75	900	575	145T	76	B3/48FLF1OMHD	1.5	74.0*		MXT840	\$1,561
1	1800	460	143T	75	B0014FLF1BMHD02	1.4	85.5		MXT840	\$859
1	1800	460	143T	75	B0014FLF1BYHD	1.4	85.5	1	MXT840	\$781
1	1800	575	143T	75	B0014FLF1OMHD02	1.1	85.5		MXT840	\$859

Totally Enclosed Fan Cooled EQPIII-840 NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1200	460	145T	76	B0016FLF1BMHD02	1.8	82.5		MXT840	\$1,074
1	1200	460	145T	76	B0016FLF1BYHD	1.8	82.5	1	MXT840	\$976
1	1200	575	145T	76	B0016FLF1OMHD02	1.4	82.5		MXT840	\$1,074
1	900	460	182T	117	B0018FLF1BMHD	2.2	82.5*		MXT840	\$1,695
1	900	575	182T	117	B0018FLF1OMHD	1.7	82.5*		MXT840	\$1,695
1.5	3600	460	143T	69	BY152FLF1BMHD02	2.1	84.0		MXT840	\$1,008
1.5	3600	460	143T	69	BY152FLF1BYHD	2.1	84.0	1	MXT840	\$873
1.5	3600	575	143T	69	BY152FLF1OMHD02	1.7	84.0		MXT840	\$1,008
1.5	1800	460	145T	75	BY154FLF1BMHD02	2.2	86.5		MXT840	\$958
1.5	1800	460	145T	75	BY154FLF1BYHD	2.2	86.5	1	MXT840	\$871
1.5	1800	575	145T	75	BY154FLF1OMHD02	1.8	86.5		MXT840	\$958
1.5	1200	460	182T	117	BY156FLF1BMHD02	2.5	86.5		MXT840	\$1,144
1.5	1200	460	182T	117	BY156FLF1BYHD	2.5	86.5	1	MXT840	\$1,040
1.5	1200	575	182T	117	BY156FLF1OMHD02	2	86.5		MXT840	\$1,144
1.5	900	460	184T	122	BY158FLF1BMHD	3.4	82.5*		MXT840	\$2,001
1.5	900	575	184T	122	BY158FLF1OMHD	2.8	82.5*		MXT840	\$2,001
2	3600	460	145T	74	B0022FLF1BMHD02	2.7	86.5		MXT840	\$1,082
2	3600	460	145T	74	B0022FLF1BYHD	2.7	86.5	1	MXT840	\$984
2	3600	575	145T	74	B0022FLF1OMHD02	2.2	86.5		MXT840	\$1,082
2	1800	460	145T	76	B0024FLF1BMHD02	2.8	86.5		MXT840	\$1,052
2	1800	460	145T	76	B0024FLF1BYHD	2.8	86.5	1	MXT840	\$956
2	1800	575	145T	76	B0024FLF1OMHD02	2.2	86.5		MXT840	\$1,052
2	1200	460	184T	122	B0026FLF1BMHD02	3.3	88.5		MXT840	\$1,277
2	1200	460	184T	122	B0026FLF1BYHD	3.3	88.5	1	MXT840	\$1,161
2	1200	575	184T	122	B0026FLF1OMHD02	2.6	88.5		MXT840	\$1,277
2	900	460	213T	198	B0028FLF1BMHD	3.3	86.5*		MXT840	\$2,510
2	900	575	213T	198	B0028FLF1OMHD	2.6	86.5*		MXT840	\$2,510
3	3600	460	182T	117	B0032FLF1BMHD02	3.6	88.5		MXT840	\$1,238
3	3600	460	182T	117	B0032FLF1BYHD	3.6	88.5	1	MXT840	\$1,071
3	3600	575	182T	117	B0032FLF1OMHD02	2.9	88.5		MXT840	\$1,238
3	1800	460	182T	118	B0034FLF1BMHD02	3.8	89.5		MXT840	\$1,106
3	1800	460	182T	118	B0034FLF1BYHD	3.8	89.5	1	MXT840	\$1,006
3	1800	575	182T	118	B0034FLF1OMHD02	3	89.5		MXT840	\$1,106
3	1200	460	213T	198	B0036FLF1BMHD04	4.1	90.2		MXT840	\$1,637
3	1200	575	213T	198	B0036FLF3OMHD04	3.3	90.2		MXT840	\$1,637
3	900	460	215T	216	B0038FLF3BMHD	5	87.5*		MXT840	\$2,988
3	900	575	215T	216	B0038FLF3OMHD	4	87.5*		MXT840	\$2,988
5	3600	460	184T	123	B0052FLF1BMHD02	5.7	89.5		MXT840	\$1,459
5	3600	460	184T	123	B0052FLF1BYHD	5.7	89.5	1	MXT840	\$1,326
5	3600	575	184T	123	B0052FLF1OMHD02	4.6	89.5		MXT840	\$1,459
5	1800	460	184T	124	B0054FLF1BMHD02	6.3	89.5		MXT840	\$1,292
5	1800	460	184T	124	B0054FLF1BYHD	6.3	89.5	1	MXT840	\$1,175
5	1800	575	184T	124	B0054FLF1OMHD02	5	89.5		MXT840	\$1,292
5	1200	460	215T	216	B0056FLF1BMHD04	6.7	90.2		MXT840	\$2,196
5	1200	575	215T	216	B0056FLF3OMHD04	5.4	90.2		MXT840	\$2,196
5	900	460	254T	327	B0058FLF3BMHD	8	90.2*		MXT840	\$3,966
5	900	575	254T	327	B0058FLF3OMHD	6.4	90.2*		MXT840	\$3,966

Totally Enclosed Fan Cooled

EQPIII-840

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
7.5	3600	460	213T	196	BY752FLF1BMHD04	9	90.2		MXT840	\$1,782
7.5	3600	575	213T	196	BY752FLF3OMHD04	7.2	90.2		MXT840	\$1,782
7.5	1800	460	213T	190	BY754FLF1BSHD04	9.1	91.7		MXT840	\$1,688
7.5	1800	575	213T	190	BY754FLF3OSHD04	7.4	91.7		MXT840	\$1,688
7.5	1200	460	254T	327	BY756FLF1BMHD02	9.8	91.7		MXT840	\$2,826
7.5	1200	575	254T	327	BY756FLF3OMHD02	7.8	91.7		MXT840	\$2,826
7.5	900	460	256T	347	BY758FLF3BMHD	11.5	90.2*		MXT840	\$5,013
7.5	900	575	256T	347	BY758FLF3OMHD	9	90.2*		MXT840	\$5,013
10	3600	460	215T	210	B0102FLF1BMHD04	11.5	90.2		MXT840	\$1,992
10	3600	575	215T	210	B0102FLF3OMHD04	9.2	90.2		MXT840	\$1,992
10	1800	460	215T	226	B0104FLF1BSHD04	12	91.7		MXT840	\$1,986
10	1800	575	215T	226	B0104FLF3OSHD04	9.6	91.7		MXT840	\$1,986
10	1200	460	256T	347	B0106FLF1BMHD02	13	92.4		MXT840	\$3,469
10	1200	575	256T	347	B0106FLF3OMHD02	10.4	92.4		MXT840	\$3,469
10	900	460	284T	380	B0108FLF3BMHD	15	90.2*		MXT840	\$5,852
10	900	575	284T	380	B0108FLF3OMHD	11.8	90.2*		MXT840	\$5,852
15	3600	460	254T	330	B0152FLF1BMHD02	17	91.7		MXT840	\$2,730
15	3600	575	254T	330	B0152FLF3OMHD02	13.6	91.7		MXT840	\$2,730
15	1800	460	254T	333	B0154FLF1BMHD02	18.5	92.4		MXT840	\$2,618
15	1800	575	254T	333	B0154FLF3OMHD02	14.8	92.4		MXT840	\$2,618
15	1200	460	284T	473	B0156FLF3BMHD02	19	92.4		MXT840	\$4,611
15	1200	575	284T	473	B0156FLF3OMHD02	15.2	92.4		MXT840	\$4,611
15	900	460	286T	471	B0158FLF3BMHD	21	90.2*		MXT840	\$7,624
15	900	575	286T	471	B0158FLF3OMHD	17.8	90.2*		MXT840	\$7,624
20	3600	460	256T	389	B0202FLF1BMHD02	22	92.4		MXT840	\$3,300
20	3600	575	256T	389	B0202FLF3OMHD02	17.6	92.4		MXT840	\$3,300
20	1800	460	256T	364	B0204FLF1BMHD02	25	93.0		MXT840	\$3,261
20	1800	575	256T	364	B0204FLF3OMHD02	20	93.0		MXT840	\$3,261
20	1200	460	286T	512	B0206FLF3BMHD02	25	92.4		MXT840	\$5,427
20	1200	575	286T	512	B0206FLF3OMHD02	20	92.4		MXT840	\$5,427
20	900	460	324T	621	B0208FLF3BMHD	30	91.7*		MXT840	\$9,320
20	900	575	324T	621	B0208FLF3OMHD	24	91.7*		MXT840	\$9,320
25	3600	460	284TS	450	B0252FLG3BMHD02	28	92.4		MXT840	\$4,269
25	3600	575	284TS	450	B0252FLG3OMHD02	22	92.4		MXT840	\$4,269
25	1800	460	284T	509	B0254FLF3BMHD02	29	93.6		MXT840	\$3,946
25	1800	575	284T	509	B0254FLF3OMHD02	24	93.6		MXT840	\$3,946
25	1200	460	324T	621	B0256FLF3BMHD01	32	93.0		MXT840	\$6,909
25	1200	575	324T	621	B0256FLF3OMHD01	26	93.0		MXT840	\$6,909
25	900	460	326T	685	B0258FLF3BMHD	38	91.7*		MXT840	\$10,872
25	900	575	326T	685	B0258FLF3OMHD	30	91.7*		MXT840	\$10,872
30	3600	460	286TS	498	B0302FLG3BMHD02	33	92.4		MXT840	\$4,954
30	3600	575	286TS	498	B0302FLG3OMHD02	26	92.4		MXT840	\$4,954
30	1800	460	286T	500	B0304FLF3BMHD02	35	93.6		MXT840	\$4,609
30	1800	575	286T	500	B0304FLF3OMHD02	29	93.6		MXT840	\$4,609
30	1200	460	326T	685	B0306FLF3BMHD01	38	93.6		MXT840	\$7,577
30	1200	575	326T	685	B0306FLF3OMHD01	30	93.6		MXT840	\$7,577
30	900	460	364T	825	B0308FLF3BMHD	42	92.4*		MXT840	\$12,833

Totally Enclosed Fan Cooled EQPIII-840 NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
30	900	575	364T	825	B0308FLF3OMHD	34	92.4*		MXT840	\$12,833
40	3600	460	324TS	551	B0402FLG3BMHD02	46	93.0		MXT840	\$6,555
40	3600	575	324TS	551	B0402FLG3OMHD02	37	93.0		MXT840	\$6,555
40	1800	460	324T	636	B0404FLF3BSHD01	47	94.1		MXT840	\$5,998
40	1800	575	324T	636	B0404FLF3OSHD01	38	94.1		MXT840	\$5,998
40	1200	460	364T	825	B0406FLF3BMHD01	48	94.1		MXT840	\$10,270
40	1200	575	364T	825	B0406FLF3OMHD01	38	94.1		MXT840	\$10,270
40	900	460	365T	895	B0408FLF3BMHD	57	93.6*		MXT840	\$15,534
40	900	575	365T	895	B0408FLF3OMHD	45	93.0*		MXT840	\$15,534
50	3600	460	326TS	571	B0502FLG3BMHD02	57	93.0		MXT840	\$8,104
50	3600	575	326TS	571	B0502FLG3OMHD02	46	93.0		MXT840	\$8,104
50	1800	460	326T	694	B0504FLF3BSHD01	60	94.5		MXT840	\$6,969
50	1800	575	326T	694	B0504FLF3OSHD01	48	94.1		MXT840	\$6,969
50	1200	460	365T	895	B0506FLF3BMHD01	61	94.1		MXT840	\$11,790
50	1200	575	365T	895	B0506FLF3OMHD01	48	94.1		MXT840	\$11,790
50	900	460	404T	1200	B0508FLF3BMHD	76	93.6*		MXT840	\$18,546
50	900	575	404T	1200	B0508FLF3OMHD	62	93.6*		MXT840	\$18,546
60	3600	460	364TS	774	B0602FLG3BMHD02	70	93.6		MXT840	\$11,194
60	3600	575	364TS	774	B0602FLG3OMHD02	56	93.6		MXT840	\$11,194
60	1800	460	364T	845	B0604FLF3BMHD01	71	95.0		MXT840	\$10,570
60	1800	575	364T	845	B0604FLF3OMHD01	57	95.0		MXT840	\$10,570
60	900	460	405T	1456	B0608FLF3BSHD	98.0	93.6*		MXT840	\$21,220
60	900	575	405T	1456	B0608FLF3OSHD	75.0	93.6*		MXT840	\$21,220
75	3600	460	365TS	841	B0752FLG3BMHD02	87	93.6		MXT840	\$13,387
75	3600	575	365TS	841	B0752FLG3OMHD01	70	93.6		MXT840	\$13,387
75	1800	460	365T	901	B0754FLF3BMHD01	89	95.4		MXT840	\$12,685
75	1800	575	365T	901	B0754FLF3OMHD01	71	95.4		MXT840	\$12,685
75	900	460	444T	2005	B0758FLF4BSHD	111	94.5*	2	MXT840	\$27,918
75	900	575	444T	2005	B0758FLF4OSHD	99	94.5*	2	MXT840	\$27,918
100	900	460	445T	2155	B1008FLF4BSHD	152	93.6*	2	MXT840	\$34,562
100	900	575	445T	2155	B1008FLF4OSHD	125	93.6*	2	MXT840	\$34,562
125	900	460	447T	2444	B1258FLF4BSHD	193	93.6*	2	MXT840	\$37,773
125	900	460	N449T	3900	B1258FLF4BSHDL	156	95.0*	2	MXT840	\$37,773
125	900	575	447T	2444	B1258FLF4OSHD	155	93.6*	2	MXT840	\$39,663
125	900	575	N449T	3900	B1258FLF4OSHDL	125	95.0*	2	MXT840	\$39,663
150	900	460	N449T	3920	B1508FLF4BSHDL	186.0	95.0*	2	MXT840	\$47,845
150	900	460	505US	4000	B1508FLG3BSHD	212.0	95.4*		MXT840	\$59,806
150	900	460	505UZ	3000	B1508FLF4BSHD	212.0	95.4*	2	MXT840	\$63,017
150	900	575	N449T	3920	B1508FLF4OSHDL	150.0	95.0*	2	MXT840	\$47,845
150	900	575	505US	4000	B1508FLG3OSHD	165.0	95.4*		MXT840	\$59,806
150	900	575	505UZ	3000	B1508FLF4OSHD	165.0	95.4*	2	MXT840	\$63,017
200	900	460	N449T	4000	B2008FLF4BSHDL	249	95.0*	2	MXT840	\$50,238
200	900	460	5010US	4650	B2008FLG3BSHD	361	95.4*		MXT840	\$62,799
200	900	460	5010UZ	4650	B2008FLF4BSHD	361	95.4*	2	MXT840	\$66,010
200	900	575	N449T	4000	B2008FLF4OSHDL	199	95.0*	2	MXT840	\$50,238
200	900	575	5010US	4650	B2008FLG4OSHD	278	95.4*		MXT840	\$62,799
200	900	575	5010UZ	4650	B2008FLF4OSHD	278	95.4*	2	MXT840	\$66,010

Totally Enclosed Fan Cooled

EQPIII-840

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
250	900	460	N449T	4130	B2508FLF4BMHDL	336.0	94.5*	2	MXT840	\$65,956
250	900	575	N449T	4130	B2508FLF4OMHDL	269.0	94.5*	2	MXT840	\$65,956
300	900	460	5810US		F3008FLG3BMHD				MXT840	\$70,355
300	900	460	5810UZ		F3008FLF4BMHD			2	MXT840	\$70,355
300	900	575	5810US		F3008FLG3OMHD				MXT840	\$74,048
300	900	575	5810UZ		F3008FLF4OMHD			2	MXT840	\$74,048
350	900	460	5810US		F3508FLG3BMHD				MXT840	\$81,296
350	900	460	5810UZ		F3508FLF4BMHD			2	MXT840	\$81,296
350	900	575	5810US		F3508FLG3OMHD				MXT840	\$84,989
350	900	575	5810UZ		F3508FLF4OMHD			2	MXT840	\$84,989
400	900	460	5810US		F4008FLG3BMHD				MXT840	\$92,237
400	900	460	5810UZ		F4008FLF4BMHD			2	MXT840	\$92,237
400	900	575	5810US		F4008FLG3OMHD				MXT840	\$95,929
400	900	575	5810UZ		F4008FLF4OMHD			2	MXT840	\$95,929

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

General Purpose XT Series

EQPIII-841 Motors

XT

Toshiba's general purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII-841 motor series addresses the special requirements of the petrochemical industry where motor performance and reliability are imperative. This product line is built using the cornerstone of the Toshiba motor product offering as a base, and is designed for indoor and outdoor use in the harshest environments where premium performance and reliability are a must. Its performance offers 20 to 1 constant torque, oversized bearings, IP55 protection, Class F insulation system and NEMA Premium® design meeting the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12. These motors are built to meet or exceed IEEE standard 841 and feature a labyrinth seal on both DE and ODE.

Standard Features:

- Totally Enclosed Fan Cooled, Severe Duty
- NEMA Premium® Efficiency
- 460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Inverter Duty- Exceeds Insulation Requirements of NEMA MG1 Part 31
- IP55 Protection
- Lead Lugs on All Ratings
- Cast Iron Conduit Box
- Cast Iron Fan Cover
- Cast Iron Frame & Brackets
- Breather Drains
- Labyrinth-Seals on Both Ends
- Dual-Drilled for Multiple Mounting
- Extended Grease Tubes
- Re-Greaseable 300-Series Bearings
- Lead Separator Gasket
- Protective Coating on All Internal Components
- No-Load Commercial Test Report Supplied on All Motors
- Vibration Testing Report Supplied on All Motors
- 4142 High Strength Shaft Steel on All 440 Roller Bearing Motors
- 20:1 Constant Torque, 60:1 Variable Torque Standard on All 1 to 200 HP, 4 & 6-Pole Motors

5 Year Warranty

Applications:

- Refineries
- Automotive
- Pulp & Paper
- Forest Products
- Mining
- Foundries

Warranty:

- From Date of Shipment: 60 Months



Totally Enclosed

Fan Cooled

EQPIII-841

NEMA Premium®

Efficiency



Toshiba’s general purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII-841 motor series addresses the special requirements of the petrochemical industry where motor performance and reliability are imperative. This product line was built using the cornerstone of the Toshiba motor product offering as a base, and it is designed for indoor and outdoor use in the harshest environments where premium performance and reliability are a must. Its performance offers 20 to 1 constant torque, oversized bearings, IP55 protection, Class F insulation system and NEMA Premium® design meeting the NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-12. These motors are built to meet or exceed IEEE standard 841 specifications and feature a labyrinth seal on both DE and ODE.



Product Scope

- Horsepower:

3/4 to 200 HP
- Speed:

3600, 1800, or 1200 RPM (1 to 75 HP)

900 RPM (3/4 to 200 HP)
- Voltage:

460 or 575 V
- Enclosure:

Totally Enclosed Fan Cooled
- Frame Size:

143T through N449T
- Construction:

Cast Iron
- Vibration (Unfiltered):

Typically 0.04 Inches/Second or Less
- Insulation:

Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	460	143T	72	B3/46FLF3BMHJ01	1.5	80.0*		MXT841	\$1,161
0.75	1200	575	143T	72	B3/46FLF3OMHJ01	1.2	80.0*		MXT841	\$1,161
0.75	900	460	145T	76	B3/48FLF3BMHJ	2.1	72.0*		MXT841	\$2,579
0.75	900	575	145T	76	B3/48FLF3OMHJ	1.5	74.0*		MXT841	\$2,579
1	1800	460	143T	74	B0014FLF3BMHJ01	1.4	85.5		MXT841	\$1,000
1	1800	575	143T	74	B0014FLF3OMHJ01	1.1	85.5		MXT841	\$1,000
1	1200	460	145T	76	B0016FLF3BMHJ01	1.8	82.5		MXT841	\$1,240
1	1200	575	145T	76	B0016FLF3OMHJ01	1.4	82.5		MXT841	\$1,240
1	900	460	182T	117	B0018FLF3BMHJ	2.2	82.5*		MXT841	\$2,838
1	900	575	182T	117	B0018FLF3OMHJ	1.7	82.5*		MXT841	\$2,838
1.5	3600	460	143T	69	BY152FLF3BMHJ01	2.1	84.0		MXT841	\$1,123
1.5	3600	575	143T	69	BY152FLF3OMHJ01	1.7	84.0		MXT841	\$1,123
1.5	1800	460	145T	75	BY154FLF3BMHJ01	2.2	86.5		MXT841	\$1,111
1.5	1800	575	145T	75	BY154FLF3OMHJ01	1.8	86.5		MXT841	\$1,111
1.5	1200	460	182T	117	BY156FLF3BMHJ01	2.5	87.5		MXT841	\$1,529
1.5	1200	575	182T	117	BY156FLF3OMHJ01	2	87.5		MXT841	\$1,529
1.5	900	460	184T	122	BY158FLF3BMHJ	3.4	82.5*	1	MXT841	\$3,123
1.5	900	575	184T	122	BY158FLF3OMHJ	2.8	82.5*	1	MXT841	\$3,123

Totally Enclosed Fan Cooled EQPIII-841 NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
2	3600	460	145T	74	B0022FLF3BMHJ01	2.7	86.5		MXT841	\$1,281
2	3600	575	145T	74	B0022FLF3OMHJ01	2.2	86.5		MXT841	\$1,281
2	1800	460	145T	76	B0024FLF3BMHJ01	2.8	86.5		MXT841	\$1,220
2	1800	575	145T	76	B0024FLF3OMHJ01	2.2	86.5		MXT841	\$1,220
2	1200	460	184T	122	B0026FLF3BMHJ01	3.3	88.5		MXT841	\$1,564
2	1200	575	184T	122	B0026FLF3OMHJ01	2.6	88.5		MXT841	\$1,564
2	900	460	213T	198	B0028FLF3BMHJ	3.3	86.5*		MXT841	\$3,538
2	900	575	213T	198	B0028FLF3OMHJ	2.6	86.5*		MXT841	\$3,538
3	3600	460	182T	117	B0032FLF3BMHJ01	3.6	88.5		MXT841	\$1,572
3	3600	575	182T	117	B0032FLF3OMHJ01	2.9	88.5		MXT841	\$1,572
3	1800	460	182T	118	B0034FLF3BMHJ01	3.8	89.5		MXT841	\$1,476
3	1800	575	182T	118	B0034FLF3OMHJ01	3	89.5		MXT841	\$1,476
3	1200	460	213T	198	B0036FLF3BMHJ01	4.1	90.2		MXT841	\$2,005
3	1200	575	213T	198	B0036FLF3OMHJ01	3.3	90.2		MXT841	\$2,005
3	900	460	215T	216	B0038FLF3BMHJ	5.0	87.5*		MXT841	\$4,118
3	900	575	215T	216	B0038FLF3OMHJ	4.0	87.5*		MXT841	\$4,118
5	3600	460	184T	123	B0052FLF3BMHJ01	5.7	89.5		MXT841	\$1,782
5	3600	575	184T	123	B0052FLF3OMHJ01	4.6	89.5		MXT841	\$1,782
5	1800	460	184T	124	B0054FLF3BMHJ01	6.3	89.5		MXT841	\$1,581
5	1800	575	184T	124	B0054FLF3OMHJ01	5	89.5		MXT841	\$1,581
5	1200	460	215T	216	B0056FLF3BMHJ01	6.7	90.2		MXT841	\$2,749
5	1200	575	215T	216	B0056FLF3OMHJ01	5.4	90.2		MXT841	\$2,749
5	900	460	254T	327	B0058FLF3BMHJ	8.0	90.2*		MXT841	\$5,229
5	900	575	254T	327	B0058FLF3OMHJ	6.4	90.2*		MXT841	\$5,229
7.5	3600	460	213T	196	BY752FLF3BMHJ02	9	90.2		MXT841	\$2,161
7.5	3600	575	213T	196	BY752FLF3OMHJ02	7.2	90.2		MXT841	\$2,161
7.5	1800	460	213T	190	BY754FLF3BSHJ01	9.2	91.7		MXT841	\$2,145
7.5	1800	575	213T	190	BY754FLF3OSHJ01	7.3	91.7		MXT841	\$2,145
7.5	1200	460	254T	327	BY756FLF3BMHJ01	9.8	91.7		MXT841	\$3,574
7.5	1200	575	254T	327	BY756FLF3OMHJ01	7.8	91.7		MXT841	\$3,574
7.5	900	460	256T	347	BY758FLF3BMHJ	11.5	90.2*		MXT841	\$6,248
7.5	900	575	256T	347	BY758FLF3OMHJ	9.0	90.2*		MXT841	\$6,248
10	3600	460	215T	210	B0102FLF3BMHJ02	11.5	90.2		MXT841	\$2,522
10	3600	575	215T	210	B0102FLF3OMHJ02	9.2	90.2		MXT841	\$2,522
10	1800	460	215T	213	B0104FLF3BSHJ01	12	91.7		MXT841	\$2,583
10	1800	575	215T	213	B0104FLF3OSHJ01	9.6	91.7		MXT841	\$2,583
10	1200	460	256T	347	B0106FLF3BMHJ01	13	92.4		MXT841	\$4,366
10	1200	575	256T	347	B0106FLF3OMHJ01	10.4	92.4		MXT841	\$4,366
10	900	460	284T	473	B0108FLF3BMHJ	15.0	90.2*		MXT841	\$7,104
10	900	575	284T	473	B0108FLF3OMHJ	11.8	90.2*		MXT841	\$7,104
15	3600	460	254T	330	B0152FLF3BMHJ01	17	91.7		MXT841	\$3,469
15	3600	575	254T	330	B0152FLF3OMHJ01	13.6	91.7		MXT841	\$3,469
15	1800	460	254T	333	B0154FLF3BMHJ01	18.5	92.4		MXT841	\$3,408
15	1800	575	254T	333	B0154FLF3OMHJ01	14.8	92.4		MXT841	\$3,408
15	1200	460	284T	473	B0156FLF3BMHJ01	19	92.4		MXT841	\$5,794
15	1200	575	284T	473	B0156FLF3OMHJ01	15.2	92.4		MXT841	\$5,794
15	900	460	286T	512	B0158FLF3BMHJ	21.0	90.2*		MXT841	\$8,834

Totally Enclosed Fan Cooled

EQPIII-841

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
15	900	575	286T	512	B0158FLF3OMHJ	17.8	90.2*		MXT841	\$8,834
20	3600	460	256T	370	B0202FLF3BMHJ01	22	92.4		MXT841	\$4,291
20	3600	575	256T	370	B0202FLF3OMHJ01	17.6	92.4		MXT841	\$4,291
20	1800	460	256T	364	B0204FLF3BMHJ01	25	93.0		MXT841	\$4,241
20	1800	575	256T	364	B0204FLF3OMHJ01	20	93.0		MXT841	\$4,241
20	1200	460	286T	512	B0206FLF3BMHJ01	25	92.4		MXT841	\$7,061
20	1200	575	286T	512	B0206FLF3OMHJ01	20	92.4		MXT841	\$7,061
20	900	460	324T	621	B0208FLF3BMHJ	30.0	91.7*		MXT841	\$10,557
20	900	575	324T	621	B0208FLF3OMHJ	24.0	91.7*		MXT841	\$10,557
25	3600	460	284TS	450	B0252FLG3BMHJ01	28	92.4		MXT841	\$5,291
25	3600	575	284TS	450	B0252FLG3OMHJ01	22	92.4		MXT841	\$5,291
25	1800	460	284T	498	B0254FLF3BMHJ01	29	93.6		MXT841	\$5,050
25	1800	575	284T	498	B0254FLF3OMHJ01	24	93.6		MXT841	\$5,050
25	1200	460	324T	621	B0256FLF3BMHJ01	32	93.0		MXT841	\$8,557
25	1200	575	324T	621	B0256FLF3OMHJ01	26	93.0		MXT841	\$8,557
25	900	460	326T	685	B0258FLF3BMHJ	38.0	91.7*		MXT841	\$12,043
25	900	575	326T	685	B0258FLF3OMHJ	30.0	91.7*		MXT841	\$12,043
30	3600	460	286TS	498	B0302FLG3BMHJ01	33	92.4		MXT841	\$6,175
30	3600	575	286TS	498	B0302FLG3OMHJ01	26	92.4		MXT841	\$6,175
30	1800	460	286T	500	B0304FLF3BMHJ01	35	93.6		MXT841	\$5,873
30	1800	575	286T	500	B0304FLF3OMHJ01	29	93.6		MXT841	\$5,873
30	1200	460	326T	685	B0306FLF3BMHJ01	38	93.6		MXT841	\$9,854
30	1200	575	326T	685	B0306FLF3OMHJ01	30	93.6		MXT841	\$9,854
30	900	460	364T	825	B0308FLF3BMHJ	42.0	92.4*		MXT841	\$14,102
30	900	575	364T	825	B0308FLF3OMHJ	34.0	92.4*		MXT841	\$14,102
40	3600	460	324TS	593	B0402FLG3BMHJ01	46	93.0		MXT841	\$8,120
40	3600	575	324TS	593	B0402FLG3OMHJ01	37	93.0		MXT841	\$8,120
40	1800	460	324T	636	B0404FLF3BSHJ01	47	94.1		MXT841	\$7,805
40	1800	575	324T	636	B0404FLF3OSHJ01	38	94.1		MXT841	\$7,805
40	1200	460	364T	825	B0406FLF3BMHJ01	48	94.1		MXT841	\$13,359
40	1200	575	364T	825	B0406FLF3OMHJ01	38	94.1		MXT841	\$13,359
40	900	460	365T	895	B0408FLF3BMHJ	57.0	93.0*		MXT841	\$16,722
40	900	575	365T	895	B0408FLF3OMHJ	45.0	93.0*		MXT841	\$16,722
50	3600	460	326TS	652	B0502FLG3BMHJ01	57	93.0		MXT841	\$10,543
50	3600	575	326TS	652	B0502FLG3OMHJ01	46	93.0		MXT841	\$10,543
50	1800	460	326T	694	B0504FLF3BSHJ01	60	94.5		MXT841	\$9,583
50	1800	575	326T	694	B0504FLF3OSHJ01	48	94.5		MXT841	\$9,583
50	1200	460	365T	895	B0506FLF3BMHJ01	61	94.1		MXT841	\$15,338
50	1200	575	365T	895	B0506FLF3OMHJ01	48	94.1		MXT841	\$15,338
50	900	460	404T	1300	B0508FLF3BMHJ	76.0	93.6*		MXT841	\$19,972
50	900	575	404T	1300	B0508FLF3OMHJ	62.0	93.6*		MXT841	\$19,972
60	3600	460	364TS	835	B0602FLG3BMHJ	70	93.6		MXT841	\$12,477
60	3600	575	364TS	835	B0602FLG3OMHJ	56	93.6		MXT841	\$12,477
60	1800	460	364T	845	B0604FLF3BMHJ01	71	95.0		MXT841	\$12,372
60	1800	575	364T	845	B0604FLF3OMHJ01	57	95.0		MXT841	\$12,372
60	900	460	405T	1456	B0608FLF3BSHJ	98.0	93.6*		MXT841	\$22,551
60	900	575	405T	1456	B0608FLF3OSHJ	75.0	93.6*		MXT841	\$22,551

Totally Enclosed Fan Cooled EQPIII-841 NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
75	3600	460	365TS	905	B0752FLG3BMHJ01	87	93.6		MXT841	\$15,675
75	3600	575	365TS	905	B0752FLG3OMHJ	70	93.6		MXT841	\$15,675
75	1800	460	365T	901	B0754FLF3BMHJ01	89	95.4		MXT841	\$15,684
75	1800	575	365T	901	B0754FLF3OMHJ01	71	95.4		MXT841	\$15,684
75	900	460	444T	2005	B0758FLF4BSHJ	111.0	94.5*		MXT841	\$29,176
75	900	575	444T	2005	B0758FLF4OSHJ	99.0	94.5*		MXT841	\$29,176
100	900	460	445T	2155	B1008FLF4BSHJ	152.0	93.6*	2	MXT841	\$35,620
100	900	575	445T	2155	B1008FLF4OSHJ	125.0	93.6*	2	MXT841	\$35,620
125	900	460	447T	2444	B1258FLF4BSHJ	193.0	93.6*	2	MXT841	\$38,636
125	900	460	N449T	2444	B1258FLF4BSHJL	156.0	95.0*	2	MXT841	\$38,636
125	900	575	447T	2444	B1258FLF4OSHJ	155.0	93.6*	2	MXT841	\$38,636
125	900	575	N449T	2444	B1258FLF4OSHJL	125.0	95.0*	2	MXT841	\$38,636
150	900	460	N449T	3960	B1508FLF4BSHJL			2	MXT841	\$48,365
150	900	575	N449T	3960	B1508FLF4OSHJL			2	MXT841	\$48,365
200	900	460	N449T		B2008FLF4BSHJL	254.0	94.5*	2	MXT841	\$54,433
200	900	575	N449T		B2008FLF4OSHJL	201.0	94.5*	2	MXT841	\$54,433

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

Stock Modifications

Production Modifications

Spare Parts

Model No. Index

Appendices

General Purpose XT Series

XT

Totally Enclosed Explosion Proof Motors

Toshiba's general purpose XT, totally enclosed explosion proof, premium efficiency motors are built to meet the UL and CSA Listed Hazardous Locations requirements. This product line is designed for use in Class I, Division 1, Group D, Class II, Division 1, Groups E, F, and G and carries a temperature code rating of T3B (165°C). It is ideal for indoor and outdoor use and offers the performance and reliability the motor industry has come to expect from Toshiba, which makes the XT Explosion Proof motor the clear choice for your toughest environments and applications.

Standard Features:

- Totally Enclosed Fan Cooled Explosion Proof
- Premium Efficiency
- 230/460, 460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Class I, Division 1, Group D, Class II, Division 1, Groups E,F, & G
- T3B Temperature Code 165°C
- Class F Insulation
- Cast Iron Conduit Box
- Cast Iron Fan Cover
- Non-Sparking Brass Shaft Slingers
- IP55 Protection
- Normally-Closed Thermostats
- Ball Bearing 143T through 405T
- Roller Bearing on All 444T & Larger, 4 & 6-Pole
- UL Listed File No. E312568
- CSA Certified File No. 046728

3 Year
Warranty

Applications:

- Petrochemical & Gas
- Grain & Feed Mills
- Pharmaceuticals
- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- UL & CSA Listed Hazardous Locations

Warranty:

- From Date of Shipment: 36 Months



Totally Enclosed Explosion Proof Premium Efficiency



The general purpose XT, totally enclosed explosion proof, premium efficiency motor series is built to meet the UL and CSA Listed Hazardous Locations requirements. This product line is designed for use in Class I, Division 1, Group D, Class II, Division 1, Groups E, F, and G and carries a temperature code rating of T3B (165°C). It is ideal for indoor and outdoor use and offers the performance and reliability the motor industry has come to expect from Toshiba, which makes the XT Explosion Proof motor the clear choice for your toughest environments and applications.

XT

Product Scope

Horsepower:	3/4 to 350 HP
Speed:	3600, 1800, 1200, or 900 RPM
Voltage:	230/460, 460, or 575 V
Enclosure:	Totally Enclosed Explosion Proof
Frame Size:	143T through N449T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.08 Inches/Second or Less
Insulation:	Class F

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	230/460	143T	75	B3/46YLF2ASH	Consult Factory for Availability			MXTXPP	\$1,618
0.75	1200	575	143T	75	B3/46YLF2OSH	Consult Factory for Availability			MXTXPP	\$1,618
0.75	900	230/460	145T	75	B3/48YLF2ASH	4.2/2.1	72.0*		MXTXPP	\$1,949
0.75	900	575	145T	75	B3/48YLF2OSH	1.5	74.0*		MXTXPP	\$1,949
1	1800	230/460	143T	74	B0014YLF2ASH	Consult Factory for Availability			MXTXPP	\$1,489
1	1800	575	143T	74	B0014YLF2OSH	Consult Factory for Availability			MXTXPP	\$1,489
1	1200	230/460	145T	76	B0016YLF2ASH	Consult Factory for Availability			MXTXPP	\$1,699
1	1200	575	145T	76	B0016YLF2OSH	Consult Factory for Availability			MXTXPP	\$1,699
1	900	230/460	182T	114	B0018YLF2ASH	4.4/2.2	81.5*		MXTXPP	\$2,047
1	900	575	182T	114	B0018YLF2OSH	1.7	81.5*		MXTXPP	\$2,047
1.5	3600	230/460	143T	77	BY152YLF2AMH	Consult Factory for Availability			MXTXPP	\$1,602
1.5	3600	575	143T	77	BY152YLF2OMH	Consult Factory for Availability			MXTXPP	\$1,602
1.5	1800	230/460	145T	77	BY154YLF2AMH	Consult Factory for Availability			MXTXPP	\$1,583
1.5	1800	575	145T	77	BY154YLF2OSH	Consult Factory for Availability			MXTXPP	\$1,583
1.5	1200	230/460	182T	114	BY156YLF2ASH	Consult Factory for Availability			MXTXPP	\$1,776
1.5	1200	575	182T	114	BY156YLF2OSH	Consult Factory for Availability			MXTXPP	\$1,776
1.5	900	230/460	184T	122	BY158YLF2ASH	6.2/3.1	84.0*		MXTXPP	\$2,237
1.5	900	575	184T	122	BY158YLF2OSH	2.5	84.0*		MXTXPP	\$2,237

Totally Enclosed

Explosion Proof

Premium Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
2	3600	230/460	145T	77	B0022YLF2AMH	Consult Factory for Availability			MXTXPP	\$1,686
2	3600	575	145T	77	B0022YLF2OMH	Consult Factory for Availability			MXTXPP	\$1,686
2	1800	230/460	145T	76	B0024YLF2ASH	Consult Factory for Availability			MXTXPP	\$1,677
2	1800	575	145T	76	B0024YLF2OSH	Consult Factory for Availability			MXTXPP	\$1,677
2	1200	230/460	184T	114	B0026YLF2ASH	Consult Factory for Availability			MXTXPP	\$2,008
2	1200	575	184T	114	B0026YLF2OSH	Consult Factory for Availability			MXTXPP	\$2,008
2	900	230/460	213T	198	B0028YLF2ASH	6.4/3.2	85.5*		MXTXPP	\$3,057
2	900	575	213T	198	B0028YLF2OSH	2.5	85.5*		MXTXPP	\$3,057
3	3600	230/460	182T	117	B0032YLF2AMH	Consult Factory for Availability			MXTXPP	\$1,924
3	3600	575	182T	117	B0032YLF2OMH	Consult Factory for Availability			MXTXPP	\$1,924
3	1800	230/460	182T	118	B0034YLF2ASH	Consult Factory for Availability			MXTXPP	\$1,911
3	1800	575	182T	118	B0034YLF2OSH	Consult Factory for Availability			MXTXPP	\$1,911
3	1200	230/460	213T	198	B0036YLF2AMH	Consult Factory for Availability			MXTXPP	\$2,673
3	1200	575	213T	198	B0036YLF2OMH	Consult Factory for Availability			MXTXPP	\$2,673
3	900	230/460	215T	216	B0038YLF2AMH	9.2/4.6	86.5*		MXTXPP	\$3,567
3	900	575	215T	216	B0038YLF2OMH	3.7	86.5*		MXTXPP	\$3,567
5	3600	230/460	184T	124	B0052YLF2AMH	Consult Factory for Availability			MXTXPP	\$2,231
5	3600	575	184T	124	B0052YLF2OMH	Consult Factory for Availability			MXTXPP	\$2,231
5	1800	230/460	184T	126	B0054YLF2ASH	Consult Factory for Availability			MXTXPP	\$2,100
5	1800	575	184T	126	B0054YLF2OSH	Consult Factory for Availability			MXTXPP	\$2,100
5	1200	230/460	215T	216	B0056YLF2AMH	Consult Factory for Availability			MXTXPP	\$3,296
5	1200	575	215T	216	B0056YLF2OMH	Consult Factory for Availability			MXTXPP	\$3,296
5	900	230/460	254T	330	B0058YLF2USH	16.0/8.0	90.2*		MXTXPP	\$4,368
5	900	575	254T	330	B0058YLF2OSH	6.4	90.2*		MXTXPP	\$4,368
7.5	3600	230/460	213T	237	BY752YLF2UMH	Consult Factory for Availability			MXTXPP	\$2,765
7.5	3600	575	213T	237	BY752YLF2OMH	Consult Factory for Availability			MXTXPP	\$2,765
7.5	1800	230/460	213T	221	BY754YLF2USH	Consult Factory for Availability			MXTXPP	\$2,633
7.5	1800	575	213T	221	BY754YLF2OMH	Consult Factory for Availability			MXTXPP	\$2,633
7.5	1200	230/460	254T	373	BY756YLF2USH	Consult Factory for Availability			MXTXPP	\$3,981
7.5	1200	575	254T	373	BY756YLF2OMH	Consult Factory for Availability			MXTXPP	\$3,981
7.5	900	230/460	256T	350	BY758YLF2USH	23.0/11.5	90.2*		MXTXPP	\$4,814
7.5	900	575	256T	350	BY758YLF2OMH	9.0	90.2*		MXTXPP	\$4,814
10	3600	230/460	215T	237	B0102YLF2UMH	Consult Factory for Availability			MXTXPP	\$2,985
10	3600	575	215T	237	B0102YLF2OMH	Consult Factory for Availability			MXTXPP	\$2,985
10	1800	230/460	215T	221	B0104YLF2USH	Consult Factory for Availability			MXTXPP	\$3,066
10	1800	575	215T	221	B0104YLF2OSH	Consult Factory for Availability			MXTXPP	\$3,066
10	1200	230/460	256T	314	B0106YLF2USH	Consult Factory for Availability			MXTXPP	\$4,797
10	1200	575	256T	314	B0106YLF2OSH	Consult Factory for Availability			MXTXPP	\$4,797
10	900	230/460	284T	475	B0108YLF3AMH	30/15	91.0*		MXTXPP	\$6,075
10	900	575	284T	475	B0108YLF3OMH	11.8	91.0*		MXTXPP	\$6,075
15	3600	230/460	254T	373	B0152YLF2AMH	Consult Factory for Availability			MXTXPP	\$4,086
15	3600	575	254T	373	B0152YLF2OMH	Consult Factory for Availability			MXTXPP	\$4,086
15	1800	230/460	254T	373	B0154YLF2USH	Consult Factory for Availability			MXTXPP	\$3,928
15	1800	575	254T	373	B0154YLF2OSH	Consult Factory for Availability			MXTXPP	\$3,928
15	1200	230/460	284T	579	B0156YLF3UMH	Consult Factory for Availability			MXTXPP	\$6,998
15	1200	575	284T	579	B0156YLF3OMH	Consult Factory for Availability			MXTXPP	\$6,998
15	900	230/460	286T	579	B0158YLF2USH	50/25	90.2*		MXTXPP	\$7,993

Totally Enclosed Explosion Proof Premium Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
15	900	575	286T	579	B0158YLF2OSH	19	90.2*		MXTXPP	\$7,993
20	3600	230/460	256T	386	B0202YLF2USH	Consult Factory for Availability			MXTXPP	\$4,897
20	3600	575	256T	386	B0202YLF2OSH	Consult Factory for Availability			MXTXPP	\$4,897
20	1800	230/460	256T	373	B0204YLF2USH	Consult Factory for Availability			MXTXPP	\$4,705
20	1800	575	256T	373	B0204YLF2OSH	Consult Factory for Availability			MXTXPP	\$4,705
20	1200	230/460	286T	540	B0206YLF3UMH	Consult Factory for Availability			MXTXPP	\$7,774
20	1200	575	286T	540	B0206YLF3OMH	Consult Factory for Availability			MXTXPP	\$7,774
20	900	230/460	324T	567	B0208YLF3AMH	62/31	91.0*		MXTXPP	\$9,034
20	900	575	324T	567	B0208YLF3OMH	24	91.0*		MXTXPP	\$9,034
25	3600	230/460	284TS	560	B0252YLG3UMH	Consult Factory for Availability			MXTXPP	\$6,376
25	3600	575	284TS	560	B0252YLG3OMH	Consult Factory for Availability			MXTXPP	\$6,376
25	1800	230/460	284T	584	B0254YLF3UMH	Consult Factory for Availability			MXTXPP	\$5,742
25	1800	575	284T	584	B0254YLF3OMH	Consult Factory for Availability			MXTXPP	\$5,742
25	1200	230/460	324T	689	B0256YLF1UMH	Consult Factory for Availability			MXTXPP	\$9,425
25	1200	575	324T	689	B0256YLF1OMH	Consult Factory for Availability			MXTXPP	\$9,425
25	900	230/460	326T	688	B0258YLF1AMH	70/35	91.7*		MXTXPP	\$11,451
25	900	575	326T	688	B0258YLF1OMH	28	91.7*		MXTXPP	\$11,451
30	3600	230/460	286TS	560	B0302YLG3UMH	Consult Factory for Availability			MXTXPP	\$6,874
30	3600	575	286TS	560	B0302YLG3OMH	Consult Factory for Availability			MXTXPP	\$6,874
30	1800	230/460	286T	550	B0304YLF3UMH	Consult Factory for Availability			MXTXPP	\$6,660
30	1800	575	286T	550	B0304YLF3OMH	Consult Factory for Availability			MXTXPP	\$6,660
30	1200	230/460	326T	688	B0306YLF1UMH	Consult Factory for Availability			MXTXPP	\$11,033
30	1200	575	326T	688	B0306YLF1OMH	Consult Factory for Availability			MXTXPP	\$11,033
30	900	230/460	364T	714	B0308YLF3AMH	84/42	92.4*		MXTXPP	\$13,628
30	900	575	364T	714	B0308YLF3OMH	33	92.4*		MXTXPP	\$13,628
40	3600	230/460	324TS	754	B0402YLG3UMH	Consult Factory for Availability			MXTXPP	\$9,251
40	3600	575	324TS	754	B0402YLG3OMH	Consult Factory for Availability			MXTXPP	\$9,251
40	1800	230/460	324T	735	B0404YLF1AMH	Consult Factory for Availability			MXTXPP	\$8,863
40	1800	575	324T	735	B0404YLF1OMH	Consult Factory for Availability			MXTXPP	\$8,863
40	1200	230/460	364T	856	B0406YLF3UMH	Consult Factory for Availability			MXTXPP	\$14,328
40	1200	575	364T	856	B0406YLF3OMH	Consult Factory for Availability			MXTXPP	\$14,328
40	900	230/460	365T	932	B0408YLF3AMH	114/57	91.7*		MXTXPP	\$16,369
40	900	575	365T	932	B0408YLF3OMH	46	91.7*		MXTXPP	\$16,369
50	3600	230/460	326TS	754	B0502YLG3UMH	Consult Factory for Availability			MXTXPP	\$11,388
50	3600	575	326TS	754	B0502YLG3OMH	Consult Factory for Availability			MXTXPP	\$11,388
50	1800	230/460	326T	735	B0504YLF1AMH	Consult Factory for Availability			MXTXPP	\$10,793
50	1800	575	326T	735	B0504YLF1OMH	Consult Factory for Availability			MXTXPP	\$10,793
50	1200	230/460	365T	932	B0506YLF3UMH	Consult Factory for Availability			MXTXPP	\$16,275
50	1200	575	365T	932	B0506YLF3OMH	Consult Factory for Availability			MXTXPP	\$16,275
50	900	230/460	404T	1200	B0508YLF3ASH	156/78	93.6*		MXTXPP	\$19,869
50	900	575	404T	1200	B0508YLF3OSH	62	93.6*		MXTXPP	\$19,869
60	3600	230/460	364TS	984	B0602YLG3UMH	Consult Factory for Availability			MXTXPP	\$16,231
60	3600	575	364TS	984	B0602YLG3OMH	Consult Factory for Availability			MXTXPP	\$16,231
60	1800	230/460	364T	961	B0604YLF3UMH	Consult Factory for Availability			MXTXPP	\$15,684
60	1800	575	364T	961	B0604YLF3OMH	Consult Factory for Availability			MXTXPP	\$15,684
60	1200	230/460	404T	1600	B0606YLF3USH	Consult Factory for Availability			MXTXPP	\$20,371
60	1200	575	404T	1600	B0606YLF3OSH	Consult Factory for Availability			MXTXPP	\$20,371

Totally Enclosed
Explosion Proof
Premium Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
60	900	230/460	405T	1456	B0608YLF3ASH	186/93	93.0*		MXTXPP	\$22,599
60	900	575	405T	1456	B0608YLF3OSH	74	93.0*		MXTXPP	\$22,599
75	3600	230/460	365TS	984	B0752YLG3UMH	Consult Factory for Availability			MXTXPP	\$18,810
75	3600	575	365TS	984	B0752YLG3OMH	Consult Factory for Availability			MXTXPP	\$18,810
75	1800	230/460	365T	1001	B0754YLF3UMH	Consult Factory for Availability			MXTXPP	\$19,295
75	1800	575	365T	1001	B0754YLF3OMH	Consult Factory for Availability			MXTXPP	\$19,295
75	1200	230/460	405T	1600	B0756YLF3USH	Consult Factory for Availability			MXTXPP	\$22,564
75	1200	575	405T	1600	B0756YLF3OSH	Consult Factory for Availability			MXTXPP	\$22,564
75	900	230/460	444T	2100	B0758YLF4ASH	222/111	94.1*	2	MXTXPP	\$27,271
75	900	575	444T	2100	B0758YLF4OSH	99	94.5*	2	MXTXPP	\$27,271
100	3600	230/460	405TS	1525	B1002YLG3USH	Consult Factory for Availability			MXTXPP	\$25,447
100	3600	575	405TS	1525	B1002YLG3OSH	Consult Factory for Availability			MXTXPP	\$25,447
100	1800	230/460	405T	1539	B1004YLF3USH	Consult Factory for Availability			MXTXPP	\$23,725
100	1800	575	405T	1539	B1004YLF3OSH	Consult Factory for Availability			MXTXPP	\$23,725
100	1200	230/460	444T	2100	B1006YLF4USH	Consult Factory for Availability			MXTXPP	\$31,362
100	1200	575	444T	2100	B1006YLF4OSH	Consult Factory for Availability			MXTXPP	\$31,362
125	3600	230/460	444TS	1838	B1253YLG3USH	Consult Factory for Availability			MXTXPP	\$31,891
125	3600	575	444TS	1838	B1253YLG3OSH	Consult Factory for Availability			MXTXPP	\$31,891
125	3600	230/460	444TS	1838	B1251YLG3USH	Consult Factory for Availability			MXTXPP	\$31,891
125	3600	575	444TS	1838	B1251YLG3OSH	Consult Factory for Availability			MXTXPP	\$31,891
125	1800	230/460	444T	2100	B1254YLF4USH	Consult Factory for Availability			MXTXPP	\$27,822
125	1800	575	444T	2100	B1254YLF4OSH	Consult Factory for Availability			MXTXPP	\$27,822
125	1200	230/460	445T	2155	B1256YLF4USH	Consult Factory for Availability			MXTXPP	\$33,696
125	1200	575	445T	2155	B1256YLF4OSH	Consult Factory for Availability			MXTXPP	\$33,696
150	3600	230/460	445TS	2115	B1503YLG3USH	Consult Factory for Availability			MXTXPP	\$37,327
150	3600	575	445TS	2115	B1503YLG3OSH	Consult Factory for Availability			MXTXPP	\$37,327
150	3600	230/460	445TS	2115	B1501YLG3USH	Consult Factory for Availability			MXTXPP	\$37,327
150	3600	575	445TS	2115	B1501YLG3OSH	Consult Factory for Availability			MXTXPP	\$37,327
150	1800	230/460	445T	2164	B1504YLF4USH	Consult Factory for Availability			MXTXPP	\$32,891
150	1800	575	445T	2164	B1504YLF4OMH	Consult Factory for Availability			MXTXPP	\$32,891
150	1200	460	447T	2444	B1506YLF4BMH	Consult Factory for Availability			MXTXPP	\$36,664
150	1200	575	447T	2444	B1506YLF4OMH	Consult Factory for Availability			MXTXPP	\$36,664
200	3600	460	447TSS	2445	B2003YLG3BSH	Consult Factory for Availability			MXTXPP	\$45,550
200	3600	575	447TSS	2445	B2003YLG3OSH	Consult Factory for Availability			MXTXPP	\$45,550
200	3600	460	447TSS	2445	B2001YLG3BSH	Consult Factory for Availability			MXTXPP	\$45,550
200	3600	575	447TSS	2445	B2001YLG3OSH	Consult Factory for Availability			MXTXPP	\$45,550
200	1800	460	447T	2466	B2004YLF4BSH	Consult Factory for Availability			MXTXPP	\$38,874
200	1800	575	447T	2466	B2004YLF4OSH	Consult Factory for Availability			MXTXPP	\$38,874
200	1200	460	N449T		2006XPEB41A				MXTXPP	\$42,011
200	1200	575	N449T		2006XPEC41A				MXTXPP	\$42,011
250	3600	230/460	N449T		2503XPEB41B				MXTXPP	\$51,839
250	3600	575	N449T		2503XPEC41B				MXTXPP	\$51,839
250	1800	230/460	N449T		2504XPEB41A				MXTXPP	\$45,023
250	1800	575	N449T		2504XPEC41A				MXTXPP	\$45,023
250	1200	460	N449T		2006XPEB41B				MXTXPP	\$47,851
250	1200	575	N449T		2006XPEC41B				MXTXPP	\$47,851
300	3600	460	N449T		3003XPEB41B				MXTXPP	\$57,421

Totally Enclosed Explosion Proof Premium Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
300	3600	575	N449T		3003XPEC41B				MXTXPP	\$57,421
300	1800	460	N449T		3004XPEB41A				MXTXPP	\$47,969
300	1800	575	N449T		3004XPEC41A				MXTXPP	\$47,969
300	1200	460	N449T		3006XPEB41A				MXTXPP	\$51,406
300	1200	575	N449T		3006XPEC41A				MXTXPP	\$51,406
350	3600	230/460	N449T		3503XPEB41B				MXTXPP	\$59,609
350	3600	575	N449T		3503XPEC41B				MXTXPP	\$59,609
350	1800	230/460	N449T		3504XPEB41A				MXTXPP	\$50,859
350	1800	575	N449T		3504XPEC41A				MXTXPP	\$50,859

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

LV General Purpose CT
LV General Purpose XT
EQP Global
LV Definite Purpose CT
LV Definite Purpose XT
MV General Purpose XT
Stock Modifications
Production Modifications
Spare Parts
Model No. Index
Appendices

General Purpose EQP Global

EQP Global Motor Series

XT

Toshiba's general purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQP Global motor series is Toshiba's next-generation NEMA Premium® efficiency motor series. This cutting-edge motor product line is designed to meet or exceed the competitive demands of the global market as well as the requirements of the Energy Independence & Security Act of 2007 (EISA), while maintaining the high reliability and quality expected from Toshiba.

Our EQP philosophy extends beyond great products. We provide solutions and Global Supply Chain Management Systems (GSCMS) to meet the evolving needs of our global customers.

Standard Features:

- Totally Enclosed Fan Cooled
- Severe Duty, Mill & Chemical (840) or Petro-Chemical (841)
- NEMA Premium® Efficiency
- 230/460, 460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design B
- Available in Footed & C-Faced Footed Designs
- Dual-Frequency Nameplated (60/50 Hz) on Global SD & Global 840 (1 to 75 HP)
- Inverter Duty- Exceeds Insulation Requirements on NEMA MG1 Part 31
- Ingress Protection of 54 or 56
- Cast Iron Conduit Box
- Cast Iron Frame and Brackets
- Breather Drains
- V-Ring or Labyrinth Shaft Seal
- Dual-Drilled for Multiple Mounting (140 through 445 Frame)
- 4142 High Strength Shaft Steel on all 440 Frame and Larger Roller Bearing Motors
- 20:1 Constant Torque, 60:1 Variable Torque Standard on all 1 to 200 HP, 4 and 6-Pole Motors
- No Load Commercial Testing on All Motors

3 Year
Warranty

5 Year
Warranty

Applications:

- Pumps
- Fans
- Compressors
- Conveyorss
- Mixers
- Material Handling

Warranty:

EQP Global SD & EQP Global 840

- From Date of Manufacture: 36 Months

EQP Global 841

- From Date of Manufacture: 60 Months



Totally Enclosed Fan Cooled EQP Global SD NEMA Premium® Efficiency



Toshiba's general purpose, totally enclosed fan cooled, NEMA Premium® efficiency, EQP Global motor series is Toshiba's next-generation motor product line. This cutting-edge motor product line is designed to meet or exceed the competitive demands of the global market, as well as the requirements of the Energy Independence & Security Act of 2007 (EISA), while maintaining the high reliability and quality expected from Toshiba.

Designed for severe duty applications and built on over 20 years of success with our EQP III motor series, the EQP Global SD features multiple new design enhancements that make it one of the lowest cost-of-ownership products in the industry.

Product Scope

Horsepower:	3/4 to 700 HP
Speed (60 Hz):	3600, 1800, or 1200 RPM
(50 Hz)*:	3000, 1500, or 1000 RPM
Volt (60 Hz):	230/460, 460, or 575 V
(50 Hz):	190/380 or 380 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 5810U
Construction:	Cast Iron (Frame, Brackets, & Conduit Box)
Vibration (Unfiltered):	Typically 0.08 Inches/Second or Less (Unfiltered)
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty) with Voltage Withstand Capability of 2000 V in 0.1 µs

Standard Features:

- IP54 Protection
- Dual-Frequency 50/60 Hz on Nameplate (1 to 75 HP)
- 20:1 Constant Torque & 60:1 Variable Torque (1 to 200 HP, 4- & 6-Pole)
- Oversized 300 Series Bearings on All Frames (DE & ODE)
- Regreasable 280 Frame and Larger
- Multi-Mount on 140 through 445 & N449 Frames
- 100% No-Load Commercial Test per IEEE 112 on All Motors
- On 440 Frame & Larger:
 - » Commercial Test & Vibration Test
 - » 100% of Bearings are Ball-Pass Frequency Tested

***Production modifications not applicable to EQP Global Motors 140-360 Frame (use EQP III Series base price for these frame sizes.)**



Totally Enclosed Fan Cooled

EQP Global SD

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	230/460	143T	52	3/46SDSR41A-P	2.8 / 1.4	80.0	1, 9	MTPFCP	\$547
0.75	1200	575	143T	52	3/46SDSC41A-P	1.1	81.9	1, 9	MTPFCP	\$548
1	1800	230/460	143T	51	0014SDSR41A-P	3.4 / 1.7	85.5	1, 9	MTPFCP	\$464
1	1800	575	143T	51	0014SDSC41A-P	1.3	85.5	1, 9	MTPFCP	\$464
1	1200	230/460	145T	56	0016SDSR41A-P	3.6 / 1.8	82.5	1, 9	MTPFCP	\$576
1	1200	575	145T	56	0016SDSC41A-P	1.5	82.5	1, 9	MTPFCP	\$576
1.5	3600	230/460	143T	50	Y152SDSR41A-P	4 / 2	84.0	1, 9	MTPFCP	\$505
1.5	3600	575	143T	50	Y152SDSC41A-P	1.6	84.0	1, 9	MTPFCP	\$505
1.5	1800	230/460	145T	53	Y154SDSR41A-P	4.8 / 2.4	86.5	1, 9	MTPFCP	\$510
1.5	1800	575	145T	53	Y154SDSC41A-P	1.9	86.5	1, 9	MTPFCP	\$510
1.5	1200	230/460	182T	79	Y156SDSR41A-P	5 / 2.5	87.5	1, 9	MTPFCP	\$615
1.5	1200	575	182T	79	Y156SDSC41A-P	2	87.5	1, 9	MTPFCP	\$615
2	3600	230/460	145T	53	0022SDSR41A-P	5.2 / 2.6	85.5	1, 9	MTPFCP	\$612
2	3600	575	145T	53	0022SDSC41A-P	2.1	85.5	1, 9	MTPFCP	\$612
2	1800	230/460	145T	56	0024SDSR41A-P	6 / 3	86.5	1, 9	MTPFCP	\$554
2	1800	575	145T	56	0024SDSC41A-P	2.4	86.5	1, 9	MTPFCP	\$554
2	1200	230/460	184T	93	0026SDSR41A-P	6.8 / 3.4	88.5	1, 9	MTPFCP	\$713
2	1200	575	184T	93	0026SDSC41A-P	2.7	88.5	1, 9	MTPFCP	\$713
3	3600	230/460	182T	77	0032SDSR41A-P	7.4 / 3.7	86.5	1, 9	MTPFCP	\$647
3	3600	575	182T	77	0032SDSC41A-P	3	86.5	1, 9	MTPFCP	\$647
3	1800	230/460	182T	86	0034SDSR41A-P	8 / 4	89.5	1, 9	MTPFCP	\$636
3	1800	575	182T	86	0034SDSC41A-P	3.2	89.5	1, 9	MTPFCP	\$636
3	1200	230/460	213T	147	0036SDSR41A-P	8.8 / 4.4	89.5	1, 9	MTPFCP	\$906
3	1200	575	213T	147	0036SDSC41A-P	3.5	89.5	1, 9	MTPFCP	\$906
5	3600	230/460	184T	91	0052SDSR41A-P	11.6 / 5.8	88.5	1, 9	MTPFCP	\$802
5	3600	575	184T	91	0052SDSC41A-P	4.6	88.5	1, 9	MTPFCP	\$802
5	1800	230/460	184T	97	0054SDSR41A-P	13 / 6.5	89.5	1, 9	MTPFCP	\$726
5	1800	575	184T	97	0054SDSC41A-P	5.2	89.5	1, 9	MTPFCP	\$726
5	1200	230/460	215T	165	0056SDSR41A-P	13.8 / 6.9	89.5	1, 9	MTPFCP	\$1,332
5	1200	575	215T	165	0056SDSC41A-P	5.5	89.5	1, 9	MTPFCP	\$1,332
7.5	3600	230/460	213T	155	Y752SDSR41A-P	18 / 9	89.5	1, 9	MTPFCP	\$1,039
7.5	3600	575	213T	155	Y752SDSC41A-P	7.2	89.5	1, 9	MTPFCP	\$1,039
7.5	1800	230/460	213T	171	Y754SDSR41A-P	19.6 / 9.8	91.7	1, 9	MTPFCP	\$1,039
7.5	1800	575	213T	171	Y754SDSC41A-P	7.8	91.7	1, 9	MTPFCP	\$1,039
7.5	1200	230/460	254T	252	Y756SDSR41A-P	20.4 / 10.2	91.0	1, 9	MTPFCP	\$1,768
7.5	1200	575	254T	252	Y756SDSC41A-P	8.2	91.0	1, 9	MTPFCP	\$1,768
10	3600	230/460	215T	172	0102SDSR41A-P	23.6 / 11.8	90.2	1, 9	MTPFCP	\$1,246
10	3600	575	215T	172	0102SDSC41A-P	9.4	90.2	1, 9	MTPFCP	\$1,246
10	1800	230/460	215T	186	0104SDSR41A-P	26 / 13	91.7	1, 9	MTPFCP	\$1,264
10	1800	575	215T	186	0104SDSC41A-P	10.4	91.7	1, 9	MTPFCP	\$1,264
10	1200	230/460	256T	274	0106SDSR41A-P	26.8 / 13.4	91.0	1, 9	MTPFCP	\$2,160
10	1200	575	256T	274	0106SDSC41A-P	10.8	91.0	1, 9	MTPFCP	\$2,160
15	3600	230/460	254T	274	0152SDSR41A-P	36 / 18	91.0	1, 9	MTPFCP	\$1,714
15	3600	575	254T	274	0152SDSC41A-P	14.4	91.0	1, 9	MTPFCP	\$1,714
15	1800	230/460	254T	289	0154SDSR41A-P	38 / 19	92.4	1, 9	MTPFCP	\$1,706
15	1800	575	254T	289	0154SDSC41A-P	15.2	92.4	1, 9	MTPFCP	\$1,706
15	1200	230/460	284T	364	0156SDSR41A-P	39.2 / 19.6	91.7	1, 9	MTPFCP	\$3,029

Totally Enclosed Fan Cooled EQP Global SD NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
15	1200	575	284T	364	0156SDSC41A-P	15.8	91.7	1, 9	MTPFCP	\$3,029
20	3600	230/460	256T	292	0202SDSR41A-P	48 / 24	91.0	1, 9	MTPFCP	\$2,220
20	3600	575	256T	292	0202SDSC41A-P	19.2	91.0	1, 9	MTPFCP	\$2,220
20	1800	230/460	256T	340	0204SDSR41A-P	50 / 25	93.0	1, 9	MTPFCP	\$2,107
20	1800	575	256T	340	0204SDSC41A-P	20	93.0	1, 9	MTPFCP	\$2,107
20	1200	230/460	286T	411	0206SDSR41A-P	50.8 / 25.4	91.7	1, 9	MTPFCP	\$3,548
20	1200	575	286T	411	0206SDSC41A-P	20.4	91.7	1, 9	MTPFCP	\$3,548
25	3600	230/460	284TS	406	0252SDSR41B-P	58 / 29	91.7	1, 9	MTPFCP	\$2,725
25	3600	575	284TS	406	0252SDSC41B-P	23.2	91.7	1, 9	MTPFCP	\$2,725
25	1800	230/460	284T	424	0254SDSR41A-P	61 / 30.5	93.6	1, 9	MTPFCP	\$2,556
25	1800	575	284T	424	0254SDSC41A-P	24.4	93.6	1, 9	MTPFCP	\$2,556
25	1200	230/460	324T	545	0256SDSR41A-P	62.4 / 31.2	93.0	1, 9	MTPFCP	\$4,306
25	1200	575	324T	545	0256SDSC41A-P	24.6	93.0	1, 9	MTPFCP	\$4,306
30	3600	230/460	286TS	439	0302SDSR41B-P	70 / 35	91.7	1, 9	MTPFCP	\$3,131
30	3600	575	286TS	439	0302SDSC41B-P	28	91.7	1, 9	MTPFCP	\$3,131
30	1800	230/460	286T	448	0304SDSR41A-P	72.8 / 36.4	93.6	1, 9	MTPFCP	\$3,073
30	1800	575	286T	448	0304SDSC41A-P	29.2	93.6	1, 9	MTPFCP	\$3,073
30	1200	230/460	326T	571	0306SDSR41A-P	74.4 / 37.2	93.0	1, 9	MTPFCP	\$5,257
30	1200	575	326T	571	0306SDSC41A-P	30	93.0	1, 9	MTPFCP	\$5,257
40	3600	230/460	324TS	589	0402SDSR41B-P	94 / 47	92.4	1, 9	MTPFCP	\$3,943
40	3600	575	324TS	589	0402SDSC41B-P	37.6	92.4	1, 9	MTPFCP	\$3,943
40	1800	230/460	324T	593	0404SDSR41A-P	96 / 48	94.1	1, 9	MTPFCP	\$3,973
40	1800	575	324T	593	0404SDSC41A-P	38.4	94.1	1, 9	MTPFCP	\$3,973
40	1200	230/460	364T	708	0406SDSR41A-P	96 / 48	94.1	1, 9	MTPFCP	\$6,878
40	1200	575	364T	708	0406SDSC41A-P	38.4	94.1	1, 9	MTPFCP	\$6,878
50	3600	230/460	326TS	624	0502SDSR41B-P	116 / 58	93.0	1, 9	MTPFCP	\$5,467
50	3600	575	326TS	624	0502SDSC41B-P	46.4	93.0	1, 9	MTPFCP	\$5,467
50	1800	230/460	326T	651	0504SDSR41A-P	120 / 60	94.5	1, 9	MTPFCP	\$4,845
50	1800	575	326T	651	0504SDSC41A-P	48	94.5	1, 9	MTPFCP	\$4,845
50	1200	230/460	365T	757	0506SDSR41A-P	120 / 60	94.1	1, 9	MTPFCP	\$8,029
50	1200	575	365T	757	0506SDSC41A-P	48	94.1	1, 9	MTPFCP	\$8,029
60	3600	230/460	364TS	763	0602SDSR41B-P	138 / 69	93.6	1, 9	MTPFCP	\$6,737
60	3600	575	364TS	763	0602SDSC41B-P	55	93.6	1, 9	MTPFCP	\$6,737
60	1800	230/460	364T	796	0604SDSR41A-P	138 / 69	95.0	1, 9	MTPFCP	\$6,828
60	1800	575	364T	796	0604SDSC41A-P	55	95.0	1, 9	MTPFCP	\$6,828
60	1200	230/460	404T	1241	B0606FLF3USH02	148 / 74	95.0		MXTFCG	\$10,061
60	1200	575	404T	1241	B0606FLF3OSH02	59	95.0		MXTFCG	\$10,061
75	3600	230/460	365TS	814	0752SDSR41B-P	172 / 86	93.6	1, 9	MTPFCP	\$8,484
75	3600	575	365TS	814	0752SDSC41B-P	68.8	93.6	1, 9	MTPFCP	\$8,484
75	1800	230/460	365T	893	0754SDSR41A-P	172 / 86	95.4	1, 9	MTPFCP	\$8,796
75	1800	575	365T	893	0754SDSC41A-P	68.8	95.4	1, 9	MTPFCP	\$8,796
75	1200	230/460	405T	1319	B0756FLF3USH02	182 / 91	95.0		MXTFCG	\$12,750
75	1200	575	405T	1319	B0756FLF3OSH02	73	95.0		MXTFCG	\$12,750
100	3600	230/460	405TS	1305	B1002FLG3USH02	228/114	95.0		MXTFCG	\$12,472
100	3600	575	405TS	1305	B1002FLG3OSH02	91	95.0		MXTFCG	\$12,472
100	1800	230/460	405T	1353	B1004FLF3USH03	238/119	95.4		MXTFCG	\$11,878
100	1800	575	405T	1353	B1004FLF3OSH03	95	95.4		MXTFCG	\$11,878

Totally Enclosed Fan Cooled

EQP Global SD

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
100	1200	230/460	444T	1990	B1006FLF4USH01	246/123	95.4	2	MXTFCG	\$16,842
100	1200	575	444T	1990	B1006FLF4OSH01	98	95.4	2	MXTFCG	\$16,842
125	3600	230/460	444TS	1831	B1253FLG3USH01	280/140	95.4	4	MXTFCG	\$15,284
125	3600	230/460	444TS	1831	B1251FLG3USH	280/140	95.4	5	MXTFCG	\$15,284
125	3600	575	444TS	1831	B1253FLG3OSH01	112	95.4	4	MXTFCG	\$15,284
125	3600	575	444TS	1831	B1251FLG3OSH	112	95.4	5	MXTFCG	\$15,284
125	1800	230/460	444T	1873	B1254FLF4USH01	290/145	95.8	2	MXTFCG	\$14,970
125	1800	230/460	444T	1873	B1254FLF3USH	290/145	95.8	8	MXTFCG	\$14,970
125	1800	575	444T	1873	B1254FLF4OSH01	116	95.8	2	MXTFCG	\$14,970
125	1800	575	444T	1873	B1254FLF3OSH	116	95.8	8	MXTFCG	\$14,970
125	1200	230/460	445T	2100	B1256FLF4USH01	312/156	95.4	2	MXTFCG	\$17,364
125	1200	575	445T	2100	B1256FLF4OSH01	125	95.4	2	MXTFCG	\$17,364
150	3600	230/460	445TS	2016	A1503FLG3USH01	338/169	95.8	4, 6	MXTFCG	\$19,090
150	3600	230/460	445TS	2016	A1501FLG3USH01	338/169	95.8	5, 6	MXTFCG	\$19,090
150	3600	575	445TS	2016	A1503FLG3OSH01	135	95.8	4, 6	MXTFCG	\$19,090
150	3600	575	445TS	2016	A1501FLG3OSH01	135	95.8	5, 6	MXTFCG	\$19,090
150	1800	230/460	445T	2040	B1504FLF4USH01	354/177	95.8	2	MXTFCG	\$17,469
150	1800	230/460	445T	2040	B1504FLF3USH	354/177	95.8	8	MXTFCG	\$17,469
150	1800	575	445T	2040	B1504FLF4OSH01	142	95.8	2	MXTFCG	\$17,469
150	1800	575	445T	2040	B1504FLF3OSH	142	95.8	8	MXTFCG	\$17,469
150	1200	575	447T	2211	B1506FLF4OSH01	146	95.8	2	MXTFCG	\$20,274
150	1200	460	447T	2211	B1506FLF4BSH01	182	95.8	2	MXTFCG	\$20,274
200	3600	460	447TS	2325	B2003FLG3BSH01	225	95.8	4	MXTFCG	\$24,813
200	3600	460	447TS	2325	B2001FLG3BSH	225	95.8	5	MXTFCG	\$24,813
200	3600	575	447TS	2325	B2003FLG3OSH01	180	96.2	4	MXTFCG	\$24,813
200	3600	575	447TS	2325	B2001FLG3OSH	180	96.2	5	MXTFCG	\$24,813
200	1800	460	447T	2375	B2004FLF4BSH01	233	96.2	2	MXTFCG	\$20,997
200	1800	460	447T	2375	B2004FLF3USH	233	96.2	8	MXTFCG	\$20,997
200	1800	575	447T	2375	B2004FLF4OSH01	186	96.2	2	MXTFCG	\$20,997
200	1800	575	447T	2375	B2004FLF3OSH	233	96.2	8	MXTFCG	\$20,997
200	1200	460	N449T	2629	B2006FLF4BMHL	246	96.2	2	MXTFCG	\$25,224
200	1200	460	505US	2629	B2006FLG3BSH	235	95.8		MXTFCG	\$27,575
200	1200	460	505UZ	2629	B2006FLF4BSH	235	95.8	2	MXTFCG	\$30,153
200	1200	575	N449T	2629	B2006FLF4OMHL	189	96.2	2	MXTFCG	\$25,224
200	1200	575	505US	2629	B2006FLG3OSH	188	95.8		MXTFCG	\$27,575
200	1200	575	505UZ	2629	B2006FLF4OSH	188	95.8	2	MXTFCG	\$30,153
250	3600	460	N449TS	3800	B2503FLG3BMHL	273	95.4 *	4	MXTFCG	\$31,172
250	3600	460	N449TS	3800	B2501FLG3BMHL	273	95.4 *	5	MXTFCG	\$31,172
250	3600	460	5010USS	3952	B2503FLG3BMH	275	95.8	4	MXTFCG	\$32,474
250	3600	460	5010USS	3952	B2501FLG3BMH	275	95.8	5	MXTFCG	\$32,474
250	3600	575	N449TS	3800	B2503FLG3OMHL	218	95.4 *	4	MXTFCG	\$31,172
250	3600	575	N449TS	3800	B2501FLG3OMHL	218	95.4 *	5	MXTFCG	\$31,172
250	3600	575	5010USS	3952	B2503FLG3OMH	220	95.8	4	MXTFCG	\$32,474
250	3600	575	5010USS	3952	B2501FLG3OMH	220	95.8	5	MXTFCG	\$32,474
250	1800	460	N449T	3810	B2504FLF4BMHL	276	96.2	2	MXTFCG	\$25,490
250	1800	460	N449T	3810	B2504FLF3BMHL	276	96.2	8	MXTFCG	\$25,490
250	1800	460	505US	2907	B2504FLG3BMH	290	95.8 *		MXTFCG	\$27,139

Totally Enclosed Fan Cooled EQP Global SD NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
250	1800	460	505UZ	3005	B2504FLF4BMH	290	95.8 *	2	MXTFCG	\$29,717
250	1800	575	N449T	3810	B2504FLF4OMHL	220	96.2	2	MXTFCG	\$25,490
250	1800	575	505US	2907	B2504FLG3OMH	232	95.8 *		MXTFCG	\$27,139
250	1800	575	505UZ	3005	B2504FLF4OMH	232	95.8 *	2	MXTFCG	\$29,717
250	1200	460	N449T	3930	B2506FLF4BMHL	295	96.2	2	MXTFCG	\$31,820
250	1200	460	5010US	4193	B2506FLG3BMH01	305	95.8		MXTFCG	\$33,495
250	1200	460	5010UZ	4193	B2506FLF4BMH01	305	95.8	2	MXTFCG	\$36,073
250	1200	575	N449T	3930	B2506FLF4OMHL	232	96.2	2	MXTFCG	\$31,820
250	1200	575	5010US	4193	B2506FLG3OMH01	232	95.8		MXTFCG	\$33,495
250	1200	575	5010UZ	4193	B2506FLF4OMH01	244	95.8	2	MXTFCG	\$36,073
300	3600	460	N449TS	3815	B3003FLG3BMHL	328	95.8	4	MXTFCG	\$38,830
300	3600	460	N449TS	3815	B3001FLG3BMHL	328	95.8	5	MXTFCG	\$38,830
300	3600	460	5010USS	3954	B3003FLG8BMH	325	95.8	4	MXTFCG	\$40,275
300	3600	460	5010USS	3954	B3001FLG8BMH	325	95.8	5	MXTFCG	\$40,275
300	3600	575	N449TS	3815	B3003FLG3OMHL	261	95.8	4	MXTFCG	\$38,830
300	3600	575	N449TS	3815	B3001FLG3OMHL	261	95.8	5	MXTFCG	\$38,830
300	3600	575	5010USS	3954	B3003FLG8OMH	260	95.8	4	MXTFCG	\$40,275
300	3600	575	5010USS	3954	B3001FLG8OMH	260	95.8	5	MXTFCG	\$40,275
300	1800	460	N449T	3850	B3004FLF4BMHL	330	96.2	2	MXTFCG	\$29,717
300	1800	460	N449T	3850	B3004FLF3BMHL	330	96.2	8	MXTFCG	\$29,717
300	1800	460	5010US	4378	B3004FLG3BMH01	330	96.5		MXTFCG	\$31,207
300	1800	460	5010UZ	4219	B3004FLF4BMH01	330	96.5	2	MXTFCG	\$33,785
300	1800	575	N449T	3850	B3004FLF4OMHL	264	96.2	2	MXTFCG	\$29,717
300	1800	575	5010US	4378	B3004FLG3OMH01	264	96.5		MXTFCG	\$31,207
300	1800	575	5010UZ	4219	B3004FLF4OMH01	264	96.5	2	MXTFCG	\$33,785
300	1200	460	N449T	3930	B3006FLF4BMHL	354	96.2	2	MXTFCG	\$43,424
300	1200	460	5010US	4232	B3006FLG3BMH01	363	96.2		MXTFCG	\$45,622
300	1200	460	5010UZ	4400	B3006FLF4BMH01	363	96.2	2	MXTFCG	\$48,200
300	1200	575	N449T	3930	B3006FLF4OMHL	283	96.2	2	MXTFCG	\$43,424
300	1200	575	5010US	4232	B3006FLG3OMH	290	96.2		MXTFCG	\$45,622
300	1200	575	5010UZ	4400	B3006FLF4OMH01	290	96.2	2	MXTFCG	\$48,200
350	3600	460	N449TS	3815	B3503FLG3BMHL	382	95.8	4	MXTFCG	\$43,352
350	3600	460	N449TS	3815	B3501FLG3BMHL	382	95.8	5	MXTFCG	\$43,352
350	3600	460	5010USS	3975	B3503FLG8BMH	380	95.8	4	MXTFCG	\$45,509
350	3600	575	N449TS	3815	B3503FLG3OMHL	307	95.8	4	MXTFCG	\$43,352
350	3600	575	N449TS	3815	B3501FLG3OMHL	307	95.8	5	MXTFCG	\$43,352
350	3600	575	5010USS	3975	B3503FLG8OMH	304	95.8	4	MXTFCG	\$45,509
350	1800	460	N449T	3850	B3504FLF4BMHL	380	96.2	2	MXTFCG	\$33,414
350	1800	460	N449T	3850	B3504FLF3BMHL	380	96.2	8	MXTFCG	\$33,414
350	1800	460	5010US	4121	B3504FLG3BMH01	388	96.2		MXTFCG	\$35,083
350	1800	460	5010UZ	4121	B3504FLF4BMH01	388	96.2	2	MXTFCG	\$37,661
350	1800	575	N449T	3850	B3504FLF4OMHL	304	96.2	2	MXTFCG	\$33,414
350	1800	575	5010US	4121	B3504FLG3OMH01	310	96.2		MXTFCG	\$35,083
350	1800	575	5010UZ	4121	B3504FLF4OMH	310	96.2	2	MXTFCG	\$37,661
350	1200	460	N449T	3800	B3506FLF4BMHL	414	96.2	2	MXTFCG	\$45,782
350	1200	460	5010US	4735	B3506FLG3BMH	416	95.0 *		MXTFCG	\$48,099
350	1200	460	5010UZ	4735	B3506FLF4BMH	416	95.0 *	2	MXTFCG	\$50,677

Totally Enclosed Fan Cooled

EQP Global SD

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
350	1200	460	5011US		3506FTAB41E-A	415	95.8	11	MXTFCG	\$55,314
350	1200	460	5011UZ		3506FTAB41E-AR			11	MXTFCG	\$58,279
350	1200	575	N449T	3800	B3506FLF4OMHL	328	96.2	2	MXTFCG	\$45,782
350	1200	575	5010US	4735	B3506FLG3OMH	333	95.0 *		MXTFCG	\$48,099
350	1200	575	5010UZ	4735	B3506FLF4OMH	333	95.0 *	2	MXTFCG	\$50,677
350	1200	575	5011US		3506FTAC41E-A			11	MXTFCG	\$55,314
350	1200	575	5011UZ		3506FTAC41G-AR			11	MXTFCG	\$58,279
400	3600	460	5010USS	4412	B4003FLG8BMH	438	95.8	4	MXTFCG	\$54,004
400	3600	460	5010USS	4412	B4001FLG8BMH	438	95.8	5	MXTFCG	\$54,004
400	3600	460	5011USS		4003FTAB41F-A	441	95.8	11	MXTFCG	\$62,105
400	3600	575	5010USS	4412	B4003FLG8OMH	350	95.8	4	MXTFCG	\$54,004
400	3600	575	5010USS	4412	B4001FLG8OMH	350	95.8	5	MXTFCG	\$54,004
400	3600	575	5011USS		4003FTAC41F-A			11	MXTFCG	\$62,105
400	1800	460	5010US	4017	B4004FLG3BMH01	450	96.2		MXTFCG	\$49,102
400	1800	460	5010UZ	4017	B4004FLF4BMH01	450	96.2	2	MXTFCG	\$51,681
400	1800	460	5011US		4004FTAB41E-A	446	96.2	11	MXTFCG	\$56,467
400	1800	460	5011UZ		4004FTAB41E-AR			11	MXTFCG	\$59,433
400	1800	575	5010US	4017	B4004FLG3OMH01	365	96.2		MXTFCG	\$49,102
400	1800	575	5010UZ	4017	B4004FLF4OMH01	365	96.2	2	MXTFCG	\$51,681
400	1800	575	5011US		4004FTAC41E-A			11	MXTFCG	\$56,467
400	1800	575	5011UZ		4004FTAC41G-AR			11	MXTFCG	\$59,433
400	1200	460	5010US	4931	F4006FLG3BMH	481	95.0*		MXTFCG	\$54,970
400	1200	460	5010UZ	4931	F4006FLF4BMH	481	95.0*	2	MXTFCG	\$57,548
400	1200	575	5010US	4931	F4006FLG3OMH	385	95.0*		MXTFCG	\$54,970
400	1200	575	5010UZ	4931	F4006FLF4OMH	385	95.0*	2	MXTFCG	\$57,548
450	3600	460	5010USS	4637	B4503FLG8BMH	493	95.8	4	MXTFCG	\$60,762
450	3600	460	5010USS	4637	B4501FLG8BMH	493	95.8	5	MXTFCG	\$60,762
450	3600	460	5011USS		4503FTAB41F-A	494	95.8	11	MXTFCG	\$69,876
450	3600	575	5010USS	4637	B4503FLG8OMH	394	95.8	4	MXTFCG	\$60,762
450	3600	575	5010USS	4637	B4501FLG8OMH	394	95.8	5	MXTFCG	\$60,762
450	3600	575	5011USS		4503FTAC41F-A			11	MXTFCG	\$69,876
450	1800	460	5010US	4617	B4504FLG3BMH	514	95.4 *		MXTFCG	\$49,907
450	1800	460	5010UZ	4617	B4504FLF4BMH	514	95.4 *	2	MXTFCG	\$52,485
450	1800	460	5011US		4504FTAB41E-A	504	96.2	11	MXTFCG	\$60,358
450	1800	460	5011UZ		4504FTAB41E-AR			11	MXTFCG	\$69,411
450	1800	575	5010US	4617	B4504FLG3OMH	411	95.4 *		MXTFCG	\$49,907
450	1800	575	5010UZ	4617	B4504FLF4OMH	411	95.4 *	2	MXTFCG	\$52,485
450	1800	575	5011US		4504FTAC41E-A			11	MXTFCG	\$60,358
450	1800	575	5011UZ		4504FTAC41G-AR			11	MXTFCG	\$69,411
450	1200	460	5810US		F4506FLG3BMH	533	95.4*		MXTFCG	\$59,296
450	1200	460	5810UZ		F4506FLF4BMH	533	95.4*	2	MXTFCG	\$62,261
450	1200	575	5810US		F4506FLG3OMH	427	95.4*		MXTFCG	\$59,296
450	1200	575	5810UZ		F4506FLF4OMH	427	95.4*	2	MXTFCG	\$62,261
500	3600	460	5010USS	4637	B5003FKG8BMH	547	95.8	3, 4	MXTFCG	\$67,510
500	3600	460	5010USS	4637	B5001FKG8BMH	547	95.8	3, 5	MXTFCG	\$67,510
500	3600	460	5011USS		5003FTAB41F-A	549	95.8	11	MXTFCG	\$77,637
500	3600	575	5010USS	4637	B5003FKG8OMH	438	95.8	3, 4	MXTFCG	\$67,510

Totally Enclosed Fan Cooled EQP Global SD NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
500	3600	575	5010USS	4637	B5001FKG8OMH	438	95.8	3, 5	MXTFCG	\$67,510
500	3600	575	5011USS		5003FTAC41F-A			11	MXTFCG	\$77,637
500	1800	460	5010US	4755	B5004FLG3BMH	575	95.4 *	10	MXTFCG	\$55,452
500	1800	460	5010UZ	4755	B5004FLF4BMH	575	95.4 *	2, 10	MXTFCG	\$58,030
500	1800	460	5011US		5004FTAB41E-A	565	96.2	11	MXTFCG	\$66,735
500	1800	460	5011UZ		5004FTAB41E-AR			11	MXTFCG	\$76,745
500	1800	575	5010US	4755	B5004FLG3OMH	460	95.4 *	10	MXTFCG	\$55,452
500	1800	575	5010UZ	4755	B5004FLF4OMH	460	95.4 *	2, 10	MXTFCG	\$58,030
500	1800	575	5011US		5004FTAC41E-A			11	MXTFCG	\$66,735
500	1800	575	5011UZ		5004FTAC41G-AR			11	MXTFCG	\$76,745
500	1200	460	5810US		F5006FLG3BMH	615	95.8		MXTFCG	\$65,884
500	1200	460	5810UZ		F5006FLF4BMH	615	95.8	2	MXTFCG	\$68,849
500	1200	575	5810US		F5006FLG3OMH	490	95.8		MXTFCG	\$65,884
500	1200	575	5810UZ		F5006FLF4OMH	490	95.8	2	MXTFCG	\$68,849
600	1800	460	5810US		F6004FLG3BMH	673	95.8*		MXTFCG	\$65,884
600	1800	460	5810UZ		F6004FLF4BMH	673	95.8*	2	MXTFCG	\$68,849
600	1800	575	5810US		F6004FLG3OMH	540	95.8*		MXTFCG	\$65,884
600	1800	575	5810UZ		F6004FLF4OMH	540	95.8*	2	MXTFCG	\$68,849
600	1200	460	5810US		F6006FLG3BMH	776	95.8*		MXTFCG	\$79,062
600	1200	460	5810UZ		F6006FLF4BMH	776	95.8*	2	MXTFCG	\$82,027
600	1200	575	5810US		F6006FLG3OMH	620	95.8*		MXTFCG	\$79,062
600	1200	575	5810UZ		F6006FLF4OMH	620	95.8*	2	MXTFCG	\$82,027
700	1800	460	5810US		F7004FLG3BMH	799	95.8*		MXTFCG	\$76,865
700	1800	460	5810UZ		F7004FLF4BMH	799	95.8*	2	MXTFCG	\$79,830
700	1800	575	5810US		F7004FLG3OMH	640	95.8*		MXTFCG	\$76,865
700	1800	575	5810UZ		F7004FLF4OMH	640	95.8*	2	MXTFCG	\$79,830

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQP Global refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Totally Enclosed Fan Cooled

EQP Global 840

NEMA Premium®

Efficiency



Toshiba’s general purpose, totally enclosed fan cooled, NEMA Premium®efficiency, EQP Global motor series is Toshiba’s next-generation motor product line. This cutting-edge motor product line is designed to meet or exceed the competitive demands of the global market, as well as the requirements of the Energy Independence & Security Act of 2007 (EISA), while maintaining the high reliability and quality expected from Toshiba.



The EQP Global 840 specifically addresses the needs of the mill and chemical industries, incorporating many key features of an IEEE-841 motor. Building on over 20 years of success with our EQPIII motor series, the EQP Global 840 features design enhancements on the rotor, frame, brackets, fan, and bearings.

Product Scope

Horsepower:	3/4 to 500 HP
Speed (60 Hz):	3600, 1800, or 1200 RPM
(50 Hz)*:	3000, 1500, or 1000 RPM
Volt (60 Hz):	230/460, 460, or 575 V
(50 Hz):	190/380 or 380 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 5810U
Construction:	All Cast Iron (Frame End Bracket, Fan Cover, & Conduit Box)
Vibration (Unfiltered):	Typically 0.06 Inches/Second or Less (Unfiltered)
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty) with Voltage Withstand Capability of 2000 V in 0.1 μs

Standard Features:

- IP54 or IP56 Protection
- Dual-Frequency 50/60 Hz on Nameplate (1 to 75 HP)
- 20:1 Constant Torque & 60:1 Variable Torque (1 to 200 HP, 4- & 6-Pole)
- Oversized 300 Series Bearings on All Frames (DE & ODE)
- Open Regreaseable Bearings 280 Frame & Larger
- Shaft/Slinger Bearing Protection 140 to 280 Frame
- Labyrinth Seal 320 Frame & Larger, Both Ends
- Protective Coating on All Internal Machined Surfaces
- 100% No-Load Commercial Test per IEEE 112 on All Motors
- On 440 Frame & Larger:
 - » Commercial Test & Vibration Test
 - » 100% of Bearings are Ball-Pass Frequency Tested

***Production modifications not applicable to EQP Global Motors140-360 Frame (use EQPIII Series base price for these frame sizes.)**

Totally Enclosed Fan Cooled EQP Global 840 NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	460	143T	52	3/46XSSB41A-P	1.4	80.0	1, 9	MTP840	\$610
0.75	1200	575	143T	52	3/46XSSC41A-P	1.1	81.9	1, 9	MTP840	\$610
1	1800	460	143T	51	0014XSSB41A-P	1.7	85.5	1, 9	MTP840	\$552
1	1800	575	143T	51	0014XSSC41A-P	1.3	85.5	1, 9	MTP840	\$552
1	1200	460	145T	56	0016XSSB41A-P	1.8	82.5	1, 9	MTP840	\$690
1	1200	575	145T	56	0016XSSC41A-P	1.5	82.5	1, 9	MTP840	\$690
1.5	3600	460	143T	50	Y152XSSB41A-P	2	84.0	1, 9	MTP840	\$616
1.5	3600	575	143T	50	Y152XSSC41A-P	1.6	84.0	1, 9	MTP840	\$616
1.5	1800	460	145T	53	Y154XSSB41A-P	2.4	86.5	1, 9	MTP840	\$615
1.5	1800	575	145T	53	Y154XSSC41A-P	1.9	86.5	1, 9	MTP840	\$615
1.5	1200	460	182T	79	Y156XSSB41A-P	2.5	87.5	1, 9	MTP840	\$735
1.5	1200	575	182T	79	Y156XSSC41A-P	2	87.5	1, 9	MTP840	\$735
2	3600	460	145T	53	0022XSSB41A-P	2.6	85.5	1, 9	MTP840	\$695
2	3600	575	145T	53	0022XSSC41A-P	2.1	85.5	1, 9	MTP840	\$695
2	1800	460	145T	56	0024XSSB41A-P	3	86.5	1, 9	MTP840	\$675
2	1800	575	145T	56	0024XSSC41A-P	2.4	86.5	1, 9	MTP840	\$675
2	1200	460	184T	93	0026XSSB41A-P	3.4	88.5	1, 9	MTP840	\$820
2	1200	575	184T	93	0026XSSC41A-P	2.7	88.5	1, 9	MTP840	\$820
3	3600	460	182T	77	0032XSSB41A-P	3.7	86.5	1, 9	MTP840	\$757
3	3600	575	182T	77	0032XSSC41A-P	3	86.5	1, 9	MTP840	\$757
3	1800	460	182T	86	0034XSSB41A-P	4	89.5	1, 9	MTP840	\$711
3	1800	575	182T	86	0034XSSC41A-P	3.2	89.5	1, 9	MTP840	\$711
3	1200	460	213T	147	0036XSSB41A-P	4.4	89.5	1, 9	MTP840	\$1,002
3	1200	575	213T	147	0036XSSC41A-P	3.5	89.5	1, 9	MTP840	\$1,002
5	3600	460	184T	91	0052XSSB41A-P	5.8	88.5	1, 9	MTP840	\$937
5	3600	575	184T	91	0052XSSC41A-P	4.6	88.5	1, 9	MTP840	\$937
5	1800	460	184T	97	0054XSSB41A-P	6.5	89.5	1, 9	MTP840	\$830
5	1800	575	184T	97	0054XSSC41A-P	5.2	89.5	1, 9	MTP840	\$830
5	1200	460	215T	165	0056XSSB41A-P	6.9	89.5	1, 9	MTP840	\$1,411
5	1200	575	215T	165	0056XSSC41A-P	5.5	89.5	1, 9	MTP840	\$1,411
7.5	3600	460	213T	155	Y752XSSB41A-P	9	89.5	1, 9	MTP840	\$1,212
7.5	3600	575	213T	155	Y752XSSC41A-P	7.2	89.5	1, 9	MTP840	\$1,212
7.5	1800	460	213T	171	Y754XSSB41A-P	9.8	91.7	1, 9	MTP840	\$1,206
7.5	1800	575	213T	171	Y754XSSC41A-P	7.8	91.7	1, 9	MTP840	\$1,206
7.5	1200	460	254T	252	Y756XSSB41A-P	10.2	91.0	1, 9	MTP840	\$2,018
7.5	1200	575	254T	252	Y756XSSC41A-P	8.2	91.0	1, 9	MTP840	\$2,018
10	3600	460	215T	172	0102XSSB41A-P	11.8	90.2	1, 9	MTP840	\$1,423
10	3600	575	215T	172	0102XSSC41A-P	9.4	90.2	1, 9	MTP840	\$1,423
10	1800	460	215T	186	0104XSSB41A-P	13	91.7	1, 9	MTP840	\$1,418
10	1800	575	215T	186	0104XSSC41A-P	10.4	91.7	1, 9	MTP840	\$1,418
10	1200	460	256T	274	0106XSSB41A-P	13.4	91.0	1, 9	MTP840	\$2,478
10	1200	575	256T	274	0106XSSC41A-P	10.8	91.0	1, 9	MTP840	\$2,478
15	3600	460	254T	274	0152XSSB41A-P	18	91.0	1, 9	MTP840	\$1,950
15	3600	575	254T	274	0152XSSC41A-P	14.4	91.0	1, 9	MTP840	\$1,950
15	1800	460	254T	289	0154XSSB41A-P	19	92.4	1, 9	MTP840	\$1,870
15	1800	575	254T	289	0154XSSC41A-P	15.2	92.4	1, 9	MTP840	\$1,870
15	1200	460	284T	364	0156XSSB41A-P	19.6	91.7	1, 9	MTP840	\$3,293

Totally Enclosed Fan Cooled

EQP Global 840

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
15	1200	575	284T	364	0156XSSC41A-P	15.8	91.7	1, 9	MTP840	\$3,293
20	3600	460	256T	292	0202XSSB41A-P	24	91.0	1, 9	MTP840	\$2,357
20	3600	575	256T	292	0202XSSC41A-P	19.2	91.0	1, 9	MTP840	\$2,357
20	1800	460	256T	340	0204XSSB41A-P	25	93.0	1, 9	MTP840	\$2,329
20	1800	575	256T	340	0204XSSC41A-P	20	93.0	1, 9	MTP840	\$2,329
20	1200	460	286T	411	0206XSSB41A-P	25.4	91.7	1, 9	MTP840	\$3,876
20	1200	575	286T	411	0206XSSC41A-P	20.4	91.7	1, 9	MTP840	\$3,876
25	3600	460	284TS	406	0252XSSB41B-P	29	91.7	1, 9	MTP840	\$2,904
25	3600	575	284TS	406	0252XSSC41B-P	23.2	91.7	1, 9	MTP840	\$2,904
25	1800	460	284T	424	0254XSSB41A-P	30.5	93.6	1, 9	MTP840	\$2,818
25	1800	575	284T	424	0254XSSC41A-P	24.4	93.6	1, 9	MTP840	\$2,818
25	1200	460	324T	545	0256XSSB41A-P	31.2	93.0	1, 9	MTP840	\$4,700
25	1200	575	324T	545	0256XSSC41A-P	24.6	93.0	1, 9	MTP840	\$4,700
30	3600	460	286TS	439	0302XSSB41B-P	35	91.7	1, 9	MTP840	\$3,539
30	3600	575	286TS	439	0302XSSC41B-P	28	91.7	1, 9	MTP840	\$3,539
30	1800	460	286T	448	0304XSSB41A-P	36.4	93.6	1, 9	MTP840	\$3,292
30	1800	575	286T	448	0304XSSC41A-P	29.2	93.6	1, 9	MTP840	\$3,292
30	1200	460	326T	571	0306XSSB41A-P	37.2	93.0	1, 9	MTP840	\$5,412
30	1200	575	326T	571	0306XSSC41A-P	30	93.0	1, 9	MTP840	\$5,412
40	3600	460	324TS	589	0402XSSB41B-P	47	92.4	1, 9	MTP840	\$4,459
40	3600	575	324TS	589	0402XSSC41B-P	37.6	92.4	1, 9	MTP840	\$4,459
40	1800	460	324T	593	0404XSSB41A-P	48	94.1	1, 9	MTP840	\$4,284
40	1800	575	324T	593	0404XSSC41A-P	38.4	94.1	1, 9	MTP840	\$4,284
40	1200	460	364T	708	0406XSSB41A-P	48	94.1	1, 9	MTP840	\$7,335
40	1200	575	364T	708	0406XSSC41A-P	38.4	94.1	1, 9	MTP840	\$7,335
50	3600	460	326TS	624	0502XSSB41B-P	58	93.0	1, 9	MTP840	\$5,789
50	3600	575	326TS	624	0502XSSC41B-P	46.4	93.0	1, 9	MTP840	\$5,789
50	1800	460	326T	651	0504XSSB41A-P	60	94.5	1, 9	MTP840	\$4,978
50	1800	575	326T	651	0504XSSC41A-P	48	94.5	1, 9	MTP840	\$4,978
50	1200	460	365T	757	0506XSSB41A-P	60	94.1	1, 9	MTP840	\$8,421
50	1200	575	365T	757	0506XSSC41A-P	48	94.1	1, 9	MTP840	\$8,421
60	3600	460	364TS	763	0602XSSB41B-P	69.0	93.6	1, 9	MTP840	\$7,615
60	3600	575	364TS	763	0602XSSC41B-P	55.0	93.6	1, 9	MTP840	\$7,615
60	1800	460	364T	796	0604XSSB41A-P	69.0	95.0	1, 9	MTP840	\$7,550
60	1800	575	364T	796	0604XSSC41A-P	55.0	95.0	1, 9	MTP840	\$7,550
60	1200	460	404T	1300	B0606FLF3BSHD01	74.0	95.0		MXT40G	\$10,855
60	1200	575	404T	1300	B0606FLF3OSH01	59.0	95.0		MXT40G	\$10,855
75	3600	460	365TS	814	0752XSSB41B-P	86	93.6	1, 9	MTP840	\$9,562
75	3600	575	365TS	814	0752XSSC41B-P	68.8	93.6	1, 9	MTP840	\$9,562
75	1800	460	365T	893	0754XSSB41A-P	86	95.4	1, 9	MTP840	\$9,060
75	1800	575	365T	893	0754XSSC41A-P	68.8	95.4	1, 9	MTP840	\$9,060
75	1200	460	405T	1495	B0756FLF3BSHD01	91	95.0		MXT40G	\$12,780
75	1200	575	405T	1456	B0756FLF3OSH01	73	95.0		MXT40G	\$12,780
100	3600	460	405TS	1388	B1002FLG3BSHD01	114.0	95.0		MXT40G	\$14,095
100	3600	575	405TS	1388	B1002FLG3OSH01	91.0	95.0		MXT40G	\$14,095
100	1800	460	405T	1426	B1004FLF3BSHD01	119.0	95.4		MXT40G	\$12,313
100	1800	575	405T	1426	B1004FLF3OSH01	95.0	95.4		MXT40G	\$12,313

Totally Enclosed Fan Cooled EQP Global 840 NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
100	1200	460	444T	2005	B1006FLF4BSHD01	123.0	95.4	2	MXT40G	\$17,467
100	1200	575	444T	2005	B1006FLF4OSHD01	99.0	95.4	2	MXT40G	\$17,467
125	3600	460	444TS	1972	B1253FLG3BSHD01	140	95.4	4	MXT40G	\$17,503
125	3600	460	444TS	1972	B1251FLG3BSHD01	140	95.4	5	MXT40G	\$17,503
125	3600	575	444TS	1972	B1253FLG3OSHD01	112	95.4	4	MXT40G	\$17,503
125	3600	575	444TS	1972	B1251FLG3OSHD01	112	95.4	5	MXT40G	\$17,503
125	1800	460	444T	1900	B1254FLF4BSHD01	145	95.8	2	MXT40G	\$16,266
125	1800	460	444T	1900	B1254FLF3BSHD	145	95.8	8	MXT40G	\$16,266
125	1800	575	444T	1900	B1254FLF4OSHD01	116	95.8	2	MXT40G	\$16,266
125	1800	575	444T	1900	B1254FLF3OSHD	145	95.8	8	MXT40G	\$16,266
125	1200	460	445T	2155	B1256FLF4BSHD01	156	95.4	2	MXT40G	\$20,382
125	1200	575	445T	2155	B1256FLF4OSHD01	125	95.4	2	MXT40G	\$20,382
150	3600	460	445TS	2150	A1503FLG3BSHD01	169.0	95.8	4, 6	MXT40G	\$21,027
150	3600	460	445TS	2150	A1501FLG3BSHD01	169.0	95.8	5, 6	MXT40G	\$21,027
150	3600	575	445TS	2150	A1503FLG3OSHD01	135.0	95.8	4, 6	MXT40G	\$21,027
150	3600	575	445TS	2150	A1501FLG3OSHD01	135.0	95.8	5, 6	MXT40G	\$21,027
150	1800	460	445T	2164	B1504FLF4BSHD01	177.0	95.8	2	MXT40G	\$18,909
150	1800	460	445T	2164	B1504FLF3BSHD	177.0	95.8	8	MXT40G	\$18,909
150	1800	575	445T	2164	B1504FLF4OSHD01	142.0	95.8	2	MXT40G	\$18,909
150	1800	575	445T	2164	B1504FLF3OSHD	142.0	95.8	8	MXT40G	\$18,909
150	1200	460	447T	2444	B1506FLF4BSHD01	182.0	95.8	2	MXT40G	\$22,804
150	1200	575	447T	2444	B1506FLF4OSHD01	146.0	95.8	2	MXT40G	\$22,804
200	3600	460	447TS	2445	B2003FLG3BSHD	225	96.2	4	MXT40G	\$26,599
200	3600	460	447TS	2445	B2001FLG3BSHD	225	96.2	5	MXT40G	\$26,599
200	3600	575	447TS	2445	B2003FLG3OSHD	180	96.2	4	MXT40G	\$26,599
200	3600	575	447TS	2445	B2001FLG3OSHD	180	96.2	5	MXT40G	\$26,599
200	1800	460	447T	2466	B2004FLF4BSHD01	233	96.2	2	MXT40G	\$23,000
200	1800	460	447T	2466	B2004FLF3BSHD	233	96.2	8	MXT40G	\$23,000
200	1800	575	447T	2466	B2004FLF4OSHD01	186	96.2	2	MXT40G	\$23,000
200	1800	575	447T	2466	B2004FLF3OSHD	186	96.2	8	MXT40G	\$23,000
200	1200	460	N449T	3920	B2006FLF4BSHDL	246	96.2	2	MXT40G	\$28,710
200	1200	460	505US	3000	B2006FLG3BSHD	235	95.8		MXT40G	\$30,042
200	1200	460	505UZ	3000	B2006FLF4BSHD	235	95.8	2	MXT40G	\$32,620
200	1200	575	N449T	3920	B2006FLF4OSHDL	189	96.2	2	MXT40G	\$28,710
200	1200	575	505US	3000	B2006FLG3OSHD	188	95.8		MXT40G	\$30,042
200	1200	575	505UZ	3000	B2006FLF4OSHD	188	95.8	2	MXT40G	\$32,620
250	3600	460	N449TS	4000	B2501FLG3BMHDL	273.0	95.4 *	5	MXT40G	\$34,134
250	3600	460	N449TS	4000	B2503FLG3BMHDL	273.0	95.4 *	4	MXT40G	\$34,134
250	3600	460	5010USS	4152	B2501FLG3BMHD	275.0	95.8	5	MXT40G	\$35,559
250	3600	460	5010USS	4152	B2503FLG3BMHD	275.0	95.8	4	MXT40G	\$35,559
250	3600	575	N449TS	4000	B2501FLG3OMHDL	218.0	95.4 *	5	MXT40G	\$34,134
250	3600	575	N449TS	4000	B2503FLG3OMHDL	218.0	95.4 *	4	MXT40G	\$34,134
250	3600	575	5010USS	4152	B2501FLG3OMHD	220.0	95.8	5	MXT40G	\$35,559
250	3600	575	5010USS	4152	B2503FLG3OMHD	220.0	95.8	4	MXT40G	\$35,559
250	1800	460	N449T	4010	B2504FLF4BMHDL	276.0	96.2	2	MXT40G	\$27,912
250	1800	460	N449T	4010	B2504FLF3BMHDL	276.0	96.2	8	MXT40G	\$27,912
250	1800	460	505US	3107	B2504FLG3BMHD	290.0	95.8 *		MXT40G	\$29,717

Totally Enclosed Fan Cooled

EQP Global 840

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
250	1800	460	505UZ	3205	B2504FLF4BMHD	290.0	95.8 *	2	MXT40G	\$32,540
250	1800	575	N449T	4010	B2504FLF4OMHDL	220.0	96.2	2	MXT40G	\$27,912
250	1800	575	505US	3107	B2504FLG3OMHD	232.0	95.8 *		MXT40G	\$29,717
250	1800	575	505UZ	3205	B2504FLF4OMHD	232.0	95.8 *	2	MXT40G	\$32,540
250	1200	460	N449T	4130	B2506FLF4BMHDL	295.0	96.2	2	MXT40G	\$34,843
250	1200	460	5010US	4393	B2506FLG3BMHD	305.0	95.8		MXT40G	\$36,677
250	1200	460	5010UZ	4393	B2506FLF4BMHD	305.0	95.8	2	MXT40G	\$39,500
250	1200	575	N449T	4130	B2506FLF4OMHDL	232.0	96.2	2	MXT40G	\$34,843
250	1200	575	5010US	4393	B2506FLG3OMHD	232.0	95.8		MXT40G	\$36,677
250	1200	575	5010UZ	4393	B2506FLF4OMHD	244.0	95.8	2	MXT40G	\$39,500
300	3600	460	N449TS	4015	B3003FLG3BMHDL	328	95.8	4	MXT40G	\$42,611
300	3600	460	N449TS	4015	B3001FLG3BMHDL	328	95.8	5	MXT40G	\$42,611
300	3600	460	5010USS	4154	B3003FLG8BMHD	325	95.8	4	MXT40G	\$44,056
300	3600	460	5010USS	4154	B3001FLG8BMHD	325	95.8	5	MXT40G	\$44,056
300	3600	575	N449TS	4015	B3003FLG3OMHDL	261	95.8	4	MXT40G	\$42,611
300	3600	575	N449TS	4015	B3001FLG3OMHDL	261	95.8	5	MXT40G	\$42,611
300	3600	575	5010USS	4154	B3003FLG8OMHD	260	95.8	4	MXT40G	\$44,056
300	3600	575	5010USS	4154	B3001FLG8OMHD	260	95.8	5	MXT40G	\$44,056
300	1800	460	N449T	4050	B3004FLF4BMHDL	330	96.2	2	MXT40G	\$32,540
300	1800	460	N449T	4050	B3004FLF3BMHDL	330	96.2	8	MXT40G	\$32,541
300	1800	460	5010US	4578	B3004FLG3BMHD	330	96.5		MXT40G	\$34,172
300	1800	460	5010UZ	4419	B3004FLF4BMHD	330	96.5	2	MXT40G	\$36,995
300	1800	575	N449T	4050	B3004FLF4OMHDL	264	96.2	2	MXT40G	\$32,540
300	1800	575	5010US	4578	B3004FLG3OMHD	264	96.5		MXT40G	\$34,172
300	1800	575	5010UZ	4419	B3004FLF4OMHD	264	96.5	2	MXT40G	\$36,995
300	1200	460	N449T	4130	B3006FLF4BMHDL	354	96.2	2	MXT40G	\$47,205
300	1200	460	5010US	4432	B3006FLG3BMHD	363	96.2		MXT40G	\$49,403
300	1200	460	5010UZ	4600	B3006FLF4BMHD	363	96.2	2	MXT40G	\$51,981
300	1200	575	N449T	4130	B3006FLF4OMHDL	283	96.2	2	MXT40G	\$47,205
300	1200	575	5010US	4432	B3006FLG3OMHD	290	96.2		MXT40G	\$49,403
300	1200	575	5010UZ	4600	B3006FLF4OMHD	290	96.2	2	MXT40G	\$51,981
350	3600	460	N449TS	4015	B3503FLG3BMHDL	382.0	95.8	4	MXT40G	\$47,133
350	3600	460	N449TS	4015	B3501FLG3BMHDL	382.0	95.8	5	MXT40G	\$47,133
350	3600	460	5010USS	4175	B3503FLG8BMHD	380.0	95.8	4	MXT40G	\$49,290
350	3600	575	N449TS	4015	B3503FLG3OMHDL	307.0	95.8	4	MXT40G	\$47,133
350	3600	575	N449TS	4015	B3501FLG3OMHDL	307.0	95.8	5	MXT40G	\$47,133
350	3600	575	5010USS	4175	B3503FLG8OMHD	304.0	95.8	4	MXT40G	\$49,290
350	1800	460	N449T	4050	B3504FLF4BMHDL	380.0	96.2	2	MXT40G	\$36,588
350	1800	460	N449T	4050	B3504FLF3BMHDL	380.0	96.2	8	MXT40G	\$36,588
350	1800	460	5010US	4321	B3504FLG3BMHD	388.0	96.2		MXT40G	\$38,416
350	1800	460	5010UZ	4321	B3504FLF4BMHD	388.0	96.2	2	MXT40G	\$41,239
350	1800	575	N449T	4050	B3504FLF4OMHDL	304.0	96.2	2	MXT40G	\$36,588
350	1800	575	5010US	4321	B3504FLG3OMHD	310.0	96.2		MXT40G	\$38,416
350	1800	575	5010UZ	4321	B3504FLF4OMHD	310.0	96.2	2	MXT40G	\$41,239
350	1200	460	N449T	4000	B3506FLF4BMHDL	414.0	96.2	2	MXT40G	\$49,563
350	1200	460	5010US	4935	B3506FLG3BMHD	416.0	95.0 *		MXT40G	\$51,880
350	1200	460	5010UZ	4935	B3506FLF4BMHD	416.0	95.0 *	2	MXT40G	\$54,458

Totally Enclosed Fan Cooled EQP Global 840 NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
350	1200	575	N449T	4000	B3506FLF4OMHDL	328.0	96.2	2	MXT40G	\$49,563
350	1200	575	5010US	4935	B3506FLG3OMHD	333.0	95.0 *		MXT40G	\$51,880
350	1200	575	5010UZ	4935	B3506FLF4OMHD	333.0	95.0 *	2	MXT40G	\$54,458
400	3600	460	5010USS	4612	B4003FLG8BMHD	438	95.8	4	MXT40G	\$57,786
400	3600	460	5010USS	4612	B4001FLG8BMHD	438	95.8	5	MXT40G	\$57,786
400	3600	575	5010USS	4612	B4003FLG8OMHD	350	95.8	4	MXT40G	\$57,786
400	3600	575	5010USS	4612	B4001FLG8OMHD	350	95.8	5	MXT40G	\$57,786
400	1800	460	5010US	4217	B4004FLG3BMHD	450	96.2		MXT40G	\$52,884
400	1800	460	5010UZ	4217	B4004FLF4BMHD	450	96.2	2	MXT40G	\$55,462
400	1800	575	5010US	4217	B4004FLG3OMHD	365	96.2		MXT40G	\$52,884
400	1800	575	5010UZ	4217	B4004FLF4OMHD	365	96.2	2	MXT40G	\$55,462
400	1200	460	5010US	5131	F4006FLG3BMHD	481	95.0*		MXT40G	\$58,752
400	1200	460	5010UZ	5131	F4006FLF4BMHD	481	95.0*	2	MXT40G	\$61,330
400	1200	575	5010US	5131	F4006FLG3OMHD	385	95.0*		MXT40G	\$58,752
400	1200	575	5010UZ	5131	F4006FLF4OMHD	385	95.0*	2	MXT40G	\$61,330
450	3600	460	5010USS	4837	B4503FLG8BMHD	493.0	95.8	4	MXT40G	\$64,544
450	3600	460	5010USS	4837	B4501FLG8BMHD	493.0	95.8	5	MXT40G	\$64,544
450	3600	575	5010USS	4837	B4503FLG8OMHD	394.0	95.8	4	MXT40G	\$64,544
450	3600	575	5010USS	4837	B4501FLG8OMHD	394.0	95.8	5	MXT40G	\$64,544
450	1800	460	5010US	4817	B4504FLG3BMHD	514.0	95.4 *		MXT40G	\$53,688
450	1800	460	5010UZ	4817	B4504FLF4BMHD	514.0	95.4 *	2	MXT40G	\$56,266
450	1800	575	5010US	4817	B4504FLG3OMHD	411.0	95.4 *		MXT40G	\$53,688
450	1800	575	5010UZ	4817	B4504FLF4OMHD	411.0	95.4 *	2	MXT40G	\$56,266
450	1200	460	5810US		F4506FLG3BMHD				MXT40G	\$63,078
450	1200	460	5810UZ		F4506FLF4BMHD			2	MXT40G	\$66,042
450	1200	575	5810US		F4506FLG3OMHD				MXT40G	\$63,078
450	1200	575	5810UZ		F4506FLF4OMHD			2	MXT40G	\$66,042
500	3600	460	5010USS	4837	B5003FKG8BMHD	547	95.8	3, 4	MXT40G	\$71,292
500	3600	460	5010USS	4837	B5001FKG8BMHD	547	95.8	3, 5	MXT40G	\$71,292
500	3600	575	5010USS	4837	B5003FKG8OMHD	438	95.8	3, 4	MXT40G	\$71,292
500	3600	575	5010USS	4837	B5001FKG8OMHD	438	95.8	3, 5	MXT40G	\$71,292
500	1800	460	5010US	4955	B5004FLG3BMHD	575	95.8 *		MXT40G	\$59,233
500	1800	460	5010UZ	4955	B5004FLF4BMHD	575	95.8 *	2	MXT40G	\$61,811
500	1800	575	5010US	4955	B5004FLG3OMHD	460	95.8 *		MXT40G	\$59,233
500	1800	575	5010UZ	4955	B5004FLF4OMHD	460	95.8 *	2	MXT40G	\$61,811
500	1200	460	5810US		F5006FLG3BMHD				MXT40G	\$69,666
500	1200	460	5810UZ		F5006FLF4BMHD			2	MXT40G	\$72,630
500	1200	575	5810US		F5006FLG3OMHD				MXT40G	\$69,666
500	1200	575	5810UZ		F5006FLF4OMHD			2	MXT40G	\$72,630

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQP Global refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Totally Enclosed Fan Cooled EQP Global 841

NEMA Premium®

Efficiency



Toshiba’s general purpose, totally enclosed fan cooled, NEMA Premium®efficiency, EQP Global motor series is Toshiba’s next-generation motor product line. The EQP Global 841 is designed to meet or exceed the competitive demands of the global market, as well as the requirements of the Energy Independence & Security Act of 2007 (EISA), while maintaining the high reliability and quality expected from Toshiba.



The EQP Global 841 specifically addresses the needs of the petrochemical industry, where premium performance and reliability are imperative. Building on over 20 years of success with our EQPIII motor series, the EQP Global 841 features design enhancements on the rotor, frame, brackets, fan, and bearings.

Product Scope

Horsepower:	3/4 to 300 HP
Speed (60 Hz):	3600, 1800, or 1200 RPM
Volt (60 Hz):	460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 449T
Construction:	All Cast Iron (Frame, End Brackets, Fan Cover, & Conduit Box)
Vibration (Unfiltered):	Typically 0.04 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty Voltage Withstand Capability of 2000 V in 0.1 μs)

Standard Features:

- IP56 Protection
- 20:1 Constant Torque & 60:1 Variable Torque (1 to 200 HP, 4- & 6-Pole)
- Oversized 300 Series Bearings on All Frames (DE & ODE)
- Open Regreaseable on All Frames
- Labyrinth Seal on All Frames, Both Ends
- Protective Coating on All Internal Machined Surfaces
- 100% No-Load Commercial Test & Vibration Test on All Motors
- On 440 Frame & Larger 100% of Bearings are Ball-Pass Frequency Tested
- Commercial Test Report with Vibration Data Supplied with All Motors

***Production modifications not applicable to EQP Global Motors140-360 Frame (use EQPIII Series base price for these frame sizes.)**

Totally Enclosed Fan Cooled EQP Global 841 NEMA Premium® Efficiency



EQPGlobal
841

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	460	143T	52	3/46XDSB41A-P	1.4	80.0	1	MTP841	\$829
0.75	1200	575	143T	52	3/46XDSC41A-P	1.1	81.9	1	MTP841	\$829
1	1800	460	143T	51	0014XDSB41A-P	1.7	85.5	1	MTP841	\$714
1	1800	575	143T	51	0014XDSC41A-P	1.3	85.5	1	MTP841	\$714
1	1200	460	145T	56	0016XDSB41A-P	1.8	82.5	1	MTP841	\$885
1	1200	575	145T	56	0016XDSC41A-P	1.5	82.5	1	MTP841	\$885
1.5	3600	460	143T	50	Y152XDSB41A-P	2	84.0	1	MTP841	\$764
1.5	3600	575	143T	50	Y152XDSC41A-P	1.6	84.0	1	MTP841	\$764
1.5	1800	460	145T	53	Y154XDSB41A-P	2.4	86.5	1	MTP841	\$793
1.5	1800	575	145T	53	Y154XDSC41A-P	1.9	86.5	1	MTP841	\$793
1.5	1200	460	182T	79	Y156XDSB41A-P	2.5	87.5	1	MTP841	\$1,092
1.5	1200	575	182T	79	Y156XDSC41A-P	2.0	87.5	1	MTP841	\$1,092
2	3600	460	145T	53	0022XDSB41A-P	2.6	85.5	1	MTP841	\$915
2	3600	575	145T	53	0022XDSC41A-P	2.1	85.5	1	MTP841	\$915
2	1800	460	145T	56	0024XDSB41A-P	3	86.5	1	MTP841	\$871
2	1800	575	145T	56	0024XDSC41A-P	2.4	86.5	1	MTP841	\$871
2	1200	460	184T	93	0026XDSB41A-P	3.4	88.5	1	MTP841	\$1,117
2	1200	575	184T	93	0026XDSC41A-P	2.7	88.5	1	MTP841	\$1,117
3	3600	460	182T	77	0032XDSB41A-P	3.7	86.5	1	MTP841	\$1,123
3	3600	575	182T	77	0032XDSC41A-P	3.0	86.5	1	MTP841	\$1,123
3	1800	460	182T	86	0034XDSB41A-P	4	89.5	1	MTP841	\$1,054
3	1800	575	182T	86	0034XDSC41A-P	3.2	89.5	1	MTP841	\$1,054
3	1200	460	213T	147	0036XDSB41A-P	4.4	89.5	1	MTP841	\$1,364
3	1200	575	213T	147	0036XDSC41A-P	3.5	89.5	1	MTP841	\$1,364
5	3600	460	184T	91	0052XDSB41A-P	5.8	88.5	1	MTP841	\$1,273
5	3600	575	184T	91	0052XDSC41A-P	4.6	88.5	1	MTP841	\$1,273
5	1800	460	184T	97	0054XDSB41A-P	6.5	89.5	1	MTP841	\$1,129
5	1800	575	184T	97	0054XDSC41A-P	5.2	89.5	1	MTP841	\$1,129
5	1200	460	215T	165	0056XDSB41A-P	6.9	89.5	1	MTP841	\$1,964
5	1200	575	215T	165	0056XDSC41A-P	5.5	89.5	1	MTP841	\$1,964
7.5	3600	460	213T	155	Y752XDSB41A-P	9	89.5	1	MTP841	\$1,543
7.5	3600	575	213T	155	Y752XDSC41A-P	7.2	89.5	1	MTP841	\$1,543
7.5	1800	460	213T	171	Y754XDSB41A-P	9.8	91.7	1	MTP841	\$1,532
7.5	1800	575	213T	171	Y754XDSC41A-P	7.8	91.7	1	MTP841	\$1,532
7.5	1200	460	254T	252	Y756XDSB41A-P	10.2	91.0	1	MTP841	\$2,553
7.5	1200	575	254T	252	Y756XDSC41A-P	8.2	91.0	1	MTP841	\$2,553
10	3600	460	215T	172	0102XDSB41A-P	11.8	90.2	1	MTP841	\$1,801
10	3600	575	215T	172	0102XDSC41A-P	9.4	90.2	1	MTP841	\$1,801
10	1800	460	215T	186	0104XDSB41A-P	13	91.7	1	MTP841	\$1,845
10	1800	575	215T	186	0104XDSC41A-P	10.4	91.7	1	MTP841	\$1,845
10	1200	460	256T	274	0106XDSB41A-P	13.4	91.0	1	MTP841	\$3,118
10	1200	575	256T	274	0106XDSC41A-P	10.8	91.0	1	MTP841	\$3,118
15	3600	460	254T	274	0152XDSB41A-P	18	91.0	1	MTP841	\$2,478
15	3600	575	254T	274	0152XDSC41A-P	14.4	91.0	1	MTP841	\$2,478
15	1800	460	254T	289	0154XDSB41A-P	19	92.4	1	MTP841	\$2,434
15	1800	575	254T	289	0154XDSC41A-P	15.2	92.4	1	MTP841	\$2,434
15	1200	460	284T	364	0156XDSB41A-P	19.6	91.7	1	MTP841	\$4,139
15	1200	575	284T	364	0156XDSC41A-P	15.8	91.7	1	MTP841	\$4,139

Totally Enclosed Fan Cooled

EQP Global 841

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
20	3600	460	256T	292	0202XDSB41A-P	24	91.0	1	MTP841	\$3,065
20	3600	575	256T	292	0202XDSC41A-P	19.2	91.0	1	MTP841	\$3,065
20	1800	460	256T	340	0204XDSB41A-P	25	93.0	1	MTP841	\$3,029
20	1800	575	256T	340	0204XDSC41A-P	20.0	93.0	1	MTP841	\$3,029
20	1200	460	286T	411	0206XDSB41A-P	25.4	91.7	1	MTP841	\$5,043
20	1200	575	286T	411	0206XDSC41A-P	20.4	91.7	1	MTP841	\$5,043
25	3600	460	284TS	406	0252XDSB41B-P	29	91.7	1	MTP841	\$3,779
25	3600	575	284TS	406	0252XDSC41B-P	23.2	91.7	1	MTP841	\$3,779
25	1800	460	284T	424	0254XDSB41A-P	30.5	93.6	1	MTP841	\$3,607
25	1800	575	284T	424	0254XDSC41A-P	24.4	93.6	1	MTP841	\$3,607
25	1200	460	324T	545	0256XDSB41A-P	31.2	93.0	1	MTP841	\$6,112
25	1200	575	324T	545	0256XDSC41A-P	24.6	93.0	1	MTP841	\$6,112
30	3600	460	286TS	439	0302XDSB41B-P	35	91.7	1	MTP841	\$4,410
30	3600	575	286TS	439	0302XDSC41B-P	28.0	91.7	1	MTP841	\$4,410
30	1800	460	286T	448	0304XDSB41A-P	36.4	93.6	1	MTP841	\$4,195
30	1800	575	286T	448	0304XDSC41A-P	29.2	93.6	1	MTP841	\$4,195
30	1200	460	326T	571	0306XDSB41A-P	37.2	93.0	1	MTP841	\$7,039
30	1200	575	326T	571	0306XDSC41A-P	30.0	93.0	1	MTP841	\$7,039
40	3600	460	324TS	589	0402XDSB41B-P	47	92.4	1	MTP841	\$5,800
40	3600	575	324TS	589	0402XDSC41B-P	37.6	92.4	1	MTP841	\$5,800
40	1800	460	324T	593	0404XDSB41A-P	48	94.1	1	MTP841	\$5,575
40	1800	575	324T	593	0404XDSC41A-P	38.4	94.1	1	MTP841	\$5,575
40	1200	460	364T	708	0406XDSB41A-P	48	94.1	1	MTP841	\$9,542
40	1200	575	364T	708	0406XDSC41A-P	38.4	94.1	1	MTP841	\$9,542
50	3600	460	326TS	624	0502XDSB41B-P	58	93.0	1	MTP841	\$7,531
50	3600	575	326TS	624	0502XDSC41B-P	46.4	93.0	1	MTP841	\$7,531
50	1800	460	326T	651	0504XDSB41A-P	60	94.5	1	MTP841	\$6,845
50	1800	575	326T	651	0504XDSC41A-P	48.0	94.5	1	MTP841	\$6,845
50	1200	460	365T	757	0506XDSB41A-P	60	94.1	1	MTP841	\$10,956
50	1200	575	365T	757	0506XDSC41A-P	48.0	94.1	1	MTP841	\$10,956
60	3600	460	364TS	763	0602XDSB41B-P	69	93.6	1	MTP841	\$8,912
60	3600	575	364TS	763	0602XDSC41B-P	55.0	93.6	1	MTP841	\$8,912
60	1800	460	364T	796	0604XDSB41A-P	69	95.0	1	MTP841	\$8,837
60	1800	575	364T	796	0604XDSC41A-P	55.0	95.0	1	MTP841	\$8,837
60	1200	460	404T	1300	B0606FLF3BSHJ01	74.0	95.0		MXT41G	\$12,706
60	1200	575	404T	1300	B0606FLF3OSHJ01	59.0	95.0		MXT41G	\$12,706
75	3600	460	365TS	814	0752XDSB41B-P	86	93.6	1	MTP841	\$11,196
75	3600	575	365TS	814	0752XDSC41B-P	68.8	93.6	1	MTP841	\$11,196
75	1800	460	365T	893	0754XDSB41A-P	86	95.4	1	MTP841	\$11,203
75	1800	575	365T	893	0754XDSC41A-P	68.8	95.4	1	MTP841	\$11,203
75	1200	460	405T	1456	B0756FLF3BSHJ01	91.0	95.0		MXT41G	\$15,750
75	1200	575	405T	1456	B0756FLF3OSHJ01	73.0	95.0		MXT41G	\$15,750
100	3600	460	405TS	1388	B1002FLG3BSHJ	114.0	95.0		MXT41G	\$16,501
100	3600	575	405TS	1388	B1002FLG3OSHJ	91.0	95.0		MXT41G	\$16,501
100	1800	460	405T	1426	B1004FLF3BSHJ01	119.0	95.4		MXT41G	\$15,444
100	1800	575	405T	1426	B1004FLF3OSHJ01	95.0	95.4		MXT41G	\$15,444
100	1200	460	444T	2005	B1006FLF4BSHJ01	123.0	95.4	2	MXT41G	\$20,451
100	1200	575	444T	2005	B1006FLF4OSHJ01	99.0	95.4	2	MXT41G	\$20,451

Totally Enclosed Fan Cooled EQP Global 841 NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
125	3600	460	444TS	1972	B1253FLG3BSHJ	140.0	95.4	4	MXT41G	\$21,355
125	3600	460	444TS	1972	B1251FLG3BSHJ	140.0	95.4	5	MXT41G	\$21,355
125	3600	575	444TS	1972	B1253FLG3OSHJ	112.0	95.4	4	MXT41G	\$21,355
125	3600	575	444TS	1972	B1251FLG3OSHJ	112.0	95.4	5	MXT41G	\$21,355
125	1800	460	444T	1895	B1254FLF4BSHJ01	145.0	95.8	2	MXT41G	\$19,846
125	1800	460	444T	1896	B1254FLF3BSHJ	145.0	95.8	8	MXT41G	\$19,846
125	1800	460	444T	1896	B1254FLF3OSHJ	116.0	95.8	8	MXT41G	\$19,846
125	1800	575	444T	1895	B1254FLF4OSHJ01	116.0	95.8	2	MXT41G	\$19,846
125	1200	460	445T	2155	B1256FLF4BSHJ01	156.0	95.4	2	MXT41G	\$24,872
125	1200	575	445T	2155	B1256FLF4OSHJ01	125.0	95.4	2	MXT41G	\$24,872
150	3600	460	445TS	2150	A1503FLG3BSHJ	169.0	95.8	4, 6	MXT41G	\$25,657
150	3600	460	445TS	2150	A1501FLG3BSHJ	169.0	95.8	5, 6	MXT41G	\$25,657
150	3600	575	445TS	2150	A1503FLG3OSHJ	135.0	95.8	4, 6	MXT41G	\$25,657
150	3600	575	445TS	2150	A1501FLG3OSHJ	135.0	95.8	5, 6	MXT41G	\$25,657
150	1800	460	445T	2164	B1504FLF4BSHJ01	177.0	95.8	2	MXT41G	\$23,072
150	1800	460	445T	2164	B1504FLF3BSHJ	177.0	95.8	8	MXT41G	\$23,072
150	1800	575	445T	2164	B1504FLF4OSHJ01	142.0	95.8	2	MXT41G	\$23,072
150	1800	575	445T	2164	B1504FLF3OSHJ	142.0	95.8	8	MXT41G	\$23,072
150	1200	460	447T	2444	B1506FLF4BSHJ01	182.0	95.8	2	MXT41G	\$27,828
150	1200	575	447T	2444	B1506FLF4OSHJ01	146.0	95.8	2	MXT41G	\$27,828
200	3600	460	447TS	2445	B2003FLG3BSHJ	225.0	95.8	4	MXT41G	\$32,456
200	3600	460	447TS	2445	B2001FLG3BSHJ	225.0	95.8	5	MXT41G	\$32,456
200	3600	575	447TS	2445	B2003FLG3OSHJ	180.0	95.8	4	MXT41G	\$32,456
200	3600	575	447TS	2445	B2001FLG3OSHJ	180.0	95.8	5	MXT41G	\$32,456
200	1800	460	447T	2466	B2004FLF4BSHJ01	233.0	96.2	2	MXT41G	\$28,067
200	1800	460	447T	2466	B2004FLF3BSHJ01	233.0	96.2	8	MXT41G	\$28,067
200	1800	575	447T	2466	B2004FLF4OSHJ01	186.0	96.2	2	MXT41G	\$28,067
200	1800	575	447T	2466	B2004FLF3OSHJ	186.0	96.2	8	MXT41G	\$28,067
200	1200	460	N449T		B2006FLF4BSHJL	246.0	95.8	2	MXT41G	\$34,094
200	1200	575	N449T		B2006FLF4OSHJL	195.0	95.8	2	MXT41G	\$34,094
250	3600	460	N449TS		B2503FLG3BSHJL	270.0	95.8	4	MXT41G	\$37,193
250	3600	575	N449TS		B2503FLG3OSHJL	216.0	95.8	4	MXT41G	\$37,193
250	1800	460	N449T		B2504FLF4BSHJL	272.0	96.2	2	MXT41G	\$30,659
250	1800	460	N449T		B2504FLF3BSHJL	272.0	96.2	8	MXT41G	\$30,659
250	1800	575	N449T		B2504FLF4OSHJL	217.0	96.2	2	MXT41G	\$30,659
250	1200	460	N449T		B2506FLF4BSHJL	305.0	95.8	2	MXT41G	\$37,937
250	1200	575	N449T		B2506FLF4OSHJL	240.0	95.8	2	MXT41G	\$37,937
300	3600	460	N449TS		B3003FLG3BSHJL	324.0	96.2	4	MXT41G	\$46,095
300	3600	575	N449TS		B3003FLG3OSHJL	259.0	96.2	4	MXT41G	\$46,095
300	1800	460	N449T		B3004FLF4BSHJL	326.0	96.2	2	MXT41G	\$35,519
300	1800	460	N449T		B3004FLF3BSHJL	326.0	96.2	8	MXT41G	\$35,519
300	1800	575	N449T		B3004FLF4OSHJL	261.0	96.2	2	MXT41G	\$35,519
300	1200	460	N449T		B3006FLF4BSHJL	368.0	95.8	2	MXT41G	\$50,917
300	1200	575	N449T		B3006FLF4OSHJL	292.0	95.8	2	MXT41G	\$50,917

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQP Global refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

TOSHIBA

Totally Enclosed

Fan Cooled

EQP Global SD

C-Face Footed

NEMA Premium®

Efficiency



Toshiba’s general purpose, totally enclosed fan cooled, NEMA Premium®efficiency, EQP Global SD C-Face motor series is Toshiba’s next-generation motor product line. The EQP Global SD C-Face Footed motor is designed to meet or exceed the competitive demands of the global market, as well as the requirements of the Energy Independence & Security Act of 2007 (EISA), while maintaining the high reliability and quality expected from Toshiba.



The EQP Global SD C-Face Footed motor specifically addresses the needs of the petrochemical industry, where premium performance and reliability are imperative. Building on over 20 years of success with our EQPIII motor series, this new motor line features design enhancements on the rotor, frame, brackets, fan, and bearings.

Product Scope

Horsepower:	3/4 to 75 HP
Speed:	3600, 1800, or 1200 RPM
Voltage:	230/460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143TC to 365TC
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.08 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

***Production modifications not applicable to EQP Global Motors140-360 Frame (use EQPIII Series base price for these frame sizes.)**

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	230/460	143TC	52	3/46SDSR42A-P	2.8 / 1.4	80.0	1, 9, 16	MTPFCP	\$685
0.75	1200	575	143TC	52	3/46SDSC42A-P	1.1	81.9	1, 9, 16	MTPFCP	\$686
1	1800	230/460	143TC	51	0014SDSR42A-P	3.4 / 1.7	85.5	1, 9, 16	MTPFCP	\$598
1	1800	575	143TC	51	0014SDSC42A-P	1.3	85.5	1, 9, 16	MTPFCP	\$598
1	1200	230/460	145TC	56	0016SDSR42A-P	3.6 / 1.8	82.5	1, 9, 16	MTPFCP	\$716
1	1200	575	145TC	56	0016SDSC42A-P	1.5	82.5	1, 9, 16	MTPFCP	\$716
1.5	3600	230/460	143TC	50	Y152SDSR42A-P	4.0 / 2.0	84.0	1, 9, 16	MTPFCP	\$641
1.5	3600	575	143TC	50	Y152SDSC42A-P	1.6	84.0	1, 9, 16	MTPFCP	\$641
1.5	1800	230/460	145TC	53	Y154SDSR42A-P	4.8 / 2.4	86.5	1, 9, 16	MTPFCP	\$646
1.5	1800	575	145TC	53	Y154SDSC42A-P	1.9	86.5	1, 9, 16	MTPFCP	\$646
1.5	1200	230/460	182TC	79	Y156SDSR42A-P	5.0 / 2.5	87.5	1, 9, 16	MTPFCP	\$779
1.5	1200	575	182TC	79	Y156SDSC42A-P	2	87.5	1, 9, 16	MTPFCP	\$779
2	3600	230/460	145TC	53	0022SDSR42A-P	5.2 / 2.6	85.5	1, 9, 16	MTPFCP	\$754
2	3600	575	145TC	53	0022SDSC42A-P	2.1	85.5	1, 9, 16	MTPFCP	\$754
2	1800	230/460	145TC	56	0024SDSR42A-P	6.0 / 3.0	86.5	1, 9, 16	MTPFCP	\$693
2	1800	575	145TC	56	0024SDSC42A-P	2.4	86.5	1, 9, 16	MTPFCP	\$693
2	1200	230/460	184TC	93	0026SDSR42A-P	6.8 / 3.4	88.5	1, 9, 16	MTPFCP	\$882
2	1200	575	184TC	93	0026SDSC42A-P	2.7	88.5	1, 9, 16	MTPFCP	\$882

Totally Enclosed Fan Cooled EQP Global SD C-Face Footed NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	3600	230/460	182TC	77	0032SDSR42A-P	7.4 / 3.7	86.5	1, 9, 16	MTPFCP	\$813
3	3600	575	182TC	77	0032SDSC42A-P	3	86.5	1, 9, 16	MTPFCP	\$813
3	1800	230/460	182TC	86	0034SDSR42A-P	8.0 / 4.0	89.5	1, 9, 16	MTPFCP	\$801
3	1800	575	182TC	86	0034SDSC42A-P	3.2	89.5	1, 9, 16	MTPFCP	\$801
3	1200	230/460	213TC	142	0036SDSR42A-P	8.8 / 4.4	89.5	1, 9, 16	MTPFCP	\$1,129
3	1200	575	213TC	142	0036SDSC42A-P	3.5	89.5	1, 9, 16	MTPFCP	\$1,129
5	3600	230/460	184TC	91	0052SDSR42A-P	11.6 / 5.8	88.5	1, 9, 16	MTPFCP	\$976
5	3600	575	184TC	91	0052SDSC42A-P	4.6	88.5	1, 9, 16	MTPFCP	\$976
5	1800	230/460	184TC	97	0054SDSR42A-P	13.0 / 6.5	89.5	1, 9, 16	MTPFCP	\$896
5	1800	575	184TC	97	0054SDSC42A-P	5.2	89.5	1, 9, 16	MTPFCP	\$896
5	1200	230/460	215TC	165	0056SDSR42A-P	13.8 / 6.9	89.5	1, 9, 16	MTPFCP	\$1,578
5	1200	575	215TC	165	0056SDSC42A-P	5.5	89.5	1, 9, 16	MTPFCP	\$1,578
7.5	3600	230/460	213TC	155	Y752SDSR42A-P	18.0 / 9.0	89.5	1, 9, 16	MTPFCP	\$1,214
7.5	3600	575	213TC	155	Y752SDSC42A-P	7.2	89.5	1, 9, 16	MTPFCP	\$1,214
7.5	1800	230/460	213TC	171	Y754SDSR42A-P	19.6 / 9.8	91.7	1, 9, 16	MTPFCP	\$1,214
7.5	1800	575	213TC	171	Y754SDSC42A-P	7.8	91.7	1, 9, 16	MTPFCP	\$1,214
7.5	1200	230/460	254TC	252	Y756SDSR42A-P	20.4 / 10.2	91.0	1, 9, 16	MTPFCP	\$2,031
7.5	1200	575	254TC	252	Y756SDSC42A-P	8.2	91.0	1, 9, 16	MTPFCP	\$2,031
10	3600	230/460	215TC	172	0102SDSR42A-P	23.6 / 11.8	90.2	1, 9, 16	MTPFCP	\$1,421
10	3600	575	215TC	172	0102SDSC42A-P	9.4	90.2	1, 9, 16	MTPFCP	\$1,421
10	1800	230/460	215TC	186	0104SDSR42A-P	26.0 / 13.0	91.7	1, 9, 16	MTPFCP	\$1,439
10	1800	575	215TC	186	0104SDSC42A-P	10.4	91.7	1, 9, 16	MTPFCP	\$1,439
10	1200	230/460	256TC	274	0106SDSR42A-P	26.8 / 13.4	91.0	1, 9, 16	MTPFCP	\$2,423
10	1200	575	256TC	274	0106SDSC42A-P	10.8	91.0	1, 9, 16	MTPFCP	\$2,423
15	3600	230/460	254TC	274	0152SDSR42A-P	36.0 / 18.0	91.0	1, 9, 16	MTPFCP	\$1,977
15	3600	575	254TC	274	0152SDSC42A-P	14.4	91.0	1, 9, 16	MTPFCP	\$1,977
15	1800	230/460	254TC	289	0154SDSR42A-P	38.0 / 19.0	92.4	1, 9, 16	MTPFCP	\$1,969
15	1800	575	254TC	289	0154SDSC42A-P	15.2	92.4	1, 9, 16	MTPFCP	\$1,969
15	1200	230/460	284TC	364	0156SDSR42A-P	39.2 / 19.6	91.7	1, 9	MTPFCP	\$3,467
15	1200	575	284TC	364	0156SDSC42A-P	15.8	91.7	1, 9	MTPFCP	\$3,467
20	3600	230/460	256TC	292	0202SDSR42A-P	48.0 / 24.0	91.0	1, 9, 16	MTPFCP	\$2,483
20	3600	575	256TC	292	0202SDSC42A-P	19.2	91.0	1, 9, 16	MTPFCP	\$2,483
20	1800	230/460	256TC	340	0204SDSR42A-P	50.0 / 25.0	93.0	1, 9, 16	MTPFCP	\$2,370
20	1800	575	256TC	340	0204SDSC42A-P	20	93.0	1, 9, 16	MTPFCP	\$2,370
20	1200	230/460	286TC	411	0206SDSR42A-P	50.8 / 25.4	91.7	1, 9	MTPFCP	\$3,986
20	1200	575	286TC	411	0206SDSC42A-P	20.4	91.7	1, 9	MTPFCP	\$3,986
25	3600	230/460	284TSC	406	0252SDSR42B-P	58.0 / 29.0	91.7	1, 9	MTPFCP	\$3,163
25	3600	575	284TSC	406	0252SDSC42B-P	23.2	91.7	1, 9	MTPFCP	\$3,163
25	1800	230/460	284TC	424	0254SDSR42A-P	61.0 / 30.5	93.6	1, 9	MTPFCP	\$2,994
25	1800	575	284TC	424	0254SDSC42A-P	24.4	93.6	1, 9	MTPFCP	\$2,994
25	1200	230/460	324TC	545	0256SDSR42A-P	62.4 / 31.2	93.0	1, 9	MTPFCP	\$4,798
25	1200	575	324TC	545	0256SDSC42A-P	24.6	93.0	1, 9	MTPFCP	\$4,798
30	3600	230/460	286TSC	439	0302SDSR42B-P	70.0 / 35.0	91.7	1, 9	MTPFCP	\$3,569
30	3600	575	286TSC	439	0302SDSC42B-P	28	91.7	1, 9	MTPFCP	\$3,569
30	1800	230/460	286TC	448	0304SDSR42A-P	72.8 / 36.4	93.6	1, 9	MTPFCP	\$3,511
30	1800	575	286TC	448	0304SDSC42A-P	29.2	93.6	1, 9	MTPFCP	\$3,511
30	1200	230/460	326TC	571	0306SDSR42A-P	74.4 / 37.2	93.0	1, 9	MTPFCP	\$5,749

Totally Enclosed Fan Cooled

EQP Global SD C-Face Footed

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
30	1200	575	326TC	571	0306SDSC42A-P	30	93.0	1, 9	MTPFCP	\$5,749
40	3600	230/460	324TSC	589	0402SDSR42B-P	94.0 / 42.0	92.4	1, 9	MTPFCP	\$4,435
40	3600	575	324TSC	589	0402SDSC42B-P	37.6	92.4	1, 9	MTPFCP	\$4,435
40	1800	230/460	324TC	593	0404SDSR42A-P	96.0 / 48.0	94.1	1, 9	MTPFCP	\$4,465
40	1800	575	324TC	593	0404SDSC42A-P	38.4	94.1	1, 9	MTPFCP	\$4,465
40	1200	230/460	364TC	708	0406SDSR42A-P	96.0 / 48.0	94.1	1, 9	MTPFCP	\$7,698
40	1200	575	364TC	708	0406SDSC42A-P	38.4	94.1	1, 9	MTPFCP	\$7,698
50	3600	230/460	326TSC	624	0502SDSR42B-P	116.0 / 58.0	93.0	1, 9	MTPFCP	\$5,959
50	3600	575	326TSC	624	0502SDSC42B-P	46.4	93.0	1, 9	MTPFCP	\$5,959
50	1800	230/460	326TC	651	0504SDSR42A-P	120.0 / 60.0	94.5	1, 9	MTPFCP	\$5,337
50	1800	575	326TC	651	0504SDSC42A-P	48	94.5	1, 9	MTPFCP	\$5,337
50	1200	230/460	365TC	757	0506SDSR42A-P	120.0 / 60.0	94.1	1, 9	MTPFCP	\$8,849
50	1200	575	365TC	757	0506SDSC42A-P	48	94.1	1, 9	MTPFCP	\$8,849
60	3600	230/460	364TSC	763	0602SDSR42B-P	138.0 / 69.0	93.6	1, 9	MTPFCP	\$7,557
60	3600	575	364TSC	763	0602SDSC42B-P	55.0	93.6	1, 9	MTPFCP	\$7,557
60	1800	230/460	364TC	796	0604SDSR42A-P	138.0 / 69.0	95.0	1, 9	MTPFCP	\$7,648
60	1800	575	364TC	796	0604SDSC42A-P	55.0	95.0	1, 9	MTPFCP	\$7,648
75	3600	230/460	365TSC	814	0752SDSR42B-P	172.0 / 86.0	93.6	1, 9	MTPFCP	\$9,304
75	3600	575	365TSC	814	0752SDSC42B-P	68.8	93.6	1, 9	MTPFCP	\$9,304
75	1800	230/460	365TC	893	0754SDSR42A-P	172.0 / 86.0	95.4	1, 9	MTPFCP	\$9,616
75	1800	575	365TC	893	0754SDSC42A-P	68.8	95.4	1, 9	MTPFCP	\$9,616

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Please Contact Toshiba for NEMA "BA" Dimentioned Motors on 140-250 Frame.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQP Global refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Totally Enclosed Fan Cooled EQP Global 840 C-Face Footed NEMA Premium® Efficiency



***Production modifications not applicable to EQP Global Motors 140-360 Frame (use EQP III Series base price for these frame sizes.)**

Toshiba's general purpose, totally enclosed fan cooled, NEMA Premium® efficiency, EQP Global 840 C-Face motor series is Toshiba's next-generation motor product line. The EQP Global SD C-Face Footed motor is designed to meet or exceed the competitive demands of the global market, as well as the requirements of the Energy Independence & Security Act of 2007 (EISA), while maintaining the high reliability and quality expected from Toshiba.



The EQP Global 840 C-Face Footed motor specifically addresses the needs of the petrochemical industry, where premium performance and reliability are imperative. Building on over 20 years of success with our EQP III motor series, this new motor line features design enhancements on the rotor, frame, brackets, fan, and bearings.

Product Scope

Horsepower:	3/4 to 75 HP
Speed:	3600, 1800, or 1200 RPM
Volt:	460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143TC through 365TC
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.06 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	460	143TC	52	3/46XSSB42A-P	1.4	80.0	1, 9	MTP840	\$719
0.75	1200	575	143TC	52	3/46XSSC42A-P	1.1	81.9	1, 9	MTP840	\$719
1	1800	460	143TC	51	0014XSSB42A-P	1.7	85.5	1, 9	MTP840	\$661
1	1800	575	143TC	51	0014XSSC42A-P	1.3	85.5	1, 9	MTP840	\$661
1	1200	460	145TC	56	0016XSSB42A-P	1.8	82.5	1, 9	MTP840	\$799
1	1200	575	145TC	56	0016XSSC42A-P	1.5	82.5	1, 9	MTP840	\$799
1.5	3600	460	143TC	50	Y152XSSB42A-P	2	84.0	1, 9	MTP840	\$725
1.5	3600	575	143TC	50	Y152XSSC42A-P	1.6	84.0	1, 9	MTP840	\$725
1.5	1800	460	145TC	53	Y154XSSB42A-P	2.4	86.5	1, 9	MTP840	\$724
1.5	1800	575	145TC	53	Y154XSSC42A-P	1.9	86.5	1, 9	MTP840	\$724
1.5	1200	460	182TC	79	Y156XSSB42A-P	2.5	87.5	1, 9	MTP840	\$866
1.5	1200	575	182TC	79	Y156XSSC42A-P	2	87.5	1, 9	MTP840	\$866
2	3600	460	145TC	53	0022XSSB42A-P	2.6	85.5	1, 9	MTP840	\$804
2	3600	575	145TC	53	0022XSSC42A-P	2.1	85.5	1, 9	MTP840	\$804
2	1800	460	145TC	56	0024XSSB42A-P	3	86.5	1, 9	MTP840	\$784
2	1800	575	145TC	56	0024XSSC42A-P	2.4	86.5	1, 9	MTP840	\$784
2	1200	460	184TC	93	0026XSSB42A-P	3.4	88.5	1, 9	MTP840	\$951
2	1200	575	184TC	93	0026XSSC42A-P	2.7	88.5	1, 9	MTP840	\$951
3	3600	460	182TC	77	0032XSSB42A-P	3.7	86.5	1, 9	MTP840	\$888
3	3600	575	182TC	77	0032XSSC42A-P	3	86.5	1, 9	MTP840	\$888
3	1800	460	182TC	86	0034XSSB42A-P	4	89.5	1, 9	MTP840	\$842
3	1800	575	182TC	86	0034XSSC42A-P	3.2	89.5	1, 9	MTP840	\$842

Totally Enclosed Fan Cooled

EQP Global 840 C-Face Footed

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	1200	460	213TC	142	0036XSSB42A-P	4.4	89.5	1, 9	MTP840	\$1,177
3	1200	575	213TC	142	0036XSSC42A-P	3.5	89.5	1, 9	MTP840	\$1,177
5	3600	460	184TC	91	0052XSSB42A-P	5.8	88.5	1, 9	MTP840	\$1,068
5	3600	575	184TC	91	0052XSSC42A-P	4.6	88.5	1, 9	MTP840	\$1,068
5	1800	460	184TC	97	0054XSSB42A-P	6.5	89.5	1, 9	MTP840	\$961
5	1800	575	184TC	97	0054XSSC42A-P	5.2	89.5	1, 9	MTP840	\$961
5	1200	460	215TC	165	0056XSSB42A-P	6.9	89.5	1, 9	MTP840	\$1,586
5	1200	575	215TC	165	0056XSSC42A-P	5.5	89.5	1, 9	MTP840	\$1,586
7.5	3600	460	213TC	155	Y752XSSB42A-P	9	89.5	1, 9	MTP840	\$1,387
7.5	3600	575	213TC	155	Y752XSSC42A-P	7.2	89.5	1, 9	MTP840	\$1,387
7.5	1800	460	213TC	171	Y754XSSB42A-P	9.8	91.7	1, 9	MTP840	\$1,381
7.5	1800	575	213TC	171	Y754XSSC42A-P	7.8	91.7	1, 9	MTP840	\$1,381
7.5	1200	460	254TC	252	Y756XSSB42A-P	10.2	91.0	1, 9	MTP840	\$2,281
7.5	1200	575	254TC	252	Y756XSSC42A-P	8.2	91.0	1, 9	MTP840	\$2,281
10	3600	460	215TC	172	0102XSSB42A-P	11.8	90.2	1, 9	MTP840	\$1,598
10	3600	575	215TC	172	0102XSSC42A-P	9.4	90.2	1, 9	MTP840	\$1,598
10	1800	460	215TC	186	0104XSSB42A-P	13	91.7	1, 9	MTP840	\$1,593
10	1800	575	215TC	186	0104XSSC42A-P	10.4	91.7	1, 9	MTP840	\$1,593
10	1200	460	256TC	274	0106XSSB42A-P	13.4	91.0	1, 9	MTP840	\$2,741
10	1200	575	256TC	274	0106XSSC42A-P	10.8	91.0	1, 9	MTP840	\$2,741
15	3600	460	254TC	274	0152XSSB42A-P	18	91.0	1, 9	MTP840	\$2,213
15	3600	575	254TC	274	0152XSSC42A-P	14.4	91.0	1, 9	MTP840	\$2,213
15	1800	460	254TC	289	0154XSSB42A-P	19	92.4	1, 9	MTP840	\$2,133
15	1800	575	254TC	289	0154XSSC42A-P	15.2	92.4	1, 9	MTP840	\$2,133
15	1200	460	284TC	364	0156XSSB42A-P	19.6	91.7	1, 9	MTP840	\$3,731
15	1200	575	284TC	364	0156XSSC42A-P	15.8	91.7	1, 9	MTP840	\$3,731
20	3600	460	256TC	292	0202XSSB42A-P	24	91.0	1, 9	MTP840	\$2,620
20	3600	575	256TC	292	0202XSSC42A-P	19.2	91.0	1, 9	MTP840	\$2,620
20	1800	460	256TC	340	0204XSSB42A-P	25	93.0	1, 9	MTP840	\$2,592
20	1800	575	256TC	340	0204XSSC42A-P	20	93.0	1, 9	MTP840	\$2,592
20	1200	460	286TC	411	0206XSSB42A-P	25.4	91.7	1, 9	MTP840	\$4,314
20	1200	575	286TC	411	0206XSSC42A-P	20.4	91.7	1, 9	MTP840	\$4,314
25	3600	460	284TSC	406	0252XSSB42B-P	29	91.7	1, 9	MTP840	\$3,342
25	3600	575	284TSC	406	0252XSSC42B-P	23.2	91.7	1, 9	MTP840	\$3,342
25	1800	460	284TC	424	0254XSSB42A-P	30.5	93.6	1, 9	MTP840	\$3,256
25	1800	575	284TC	424	0254XSSC42A-P	24.4	93.6	1, 9	MTP840	\$3,256
25	1200	460	324TC	545	0256XSSB42A-P	31.2	93.0	1, 9	MTP840	\$5,192
25	1200	575	324TC	545	0256XSSC42A-P	24.6	93.0	1, 9	MTP840	\$5,192
30	3600	460	286TSC	439	0302XSSB42B-P	35	91.7	1, 9	MTP840	\$3,977
30	3600	575	286TSC	439	0302XSSC42B-P	28	91.7	1, 9	MTP840	\$3,977
30	1800	460	286TC	448	0304XSSB42A-P	36.4	93.6	1, 9	MTP840	\$3,730
30	1800	575	286TC	448	0304XSSC42A-P	29.2	93.6	1, 9	MTP840	\$3,730
30	1200	460	326TC	571	0306XSSB42A-P	37.2	93.0	1, 9	MTP840	\$5,904
30	1200	575	326TC	571	0306XSSC42A-P	30	93.0	1, 9	MTP840	\$5,904
40	3600	460	324TSC	589	0402XSSB42B-P	42	92.4	1, 9	MTP840	\$4,951
40	3600	575	324TSC	589	0402XSSC42B-P	37.6	92.4	1, 9	MTP840	\$4,951
40	1800	460	324TC	593	0404XSSB42A-P	48	94.1	1, 9	MTP840	\$4,776

Totally Enclosed Fan Cooled EQP Global 840 C-Face Footed NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
40	1800	575	324TC	593	0404XSSC42A-P	38.4	94.1	1, 9	MTP840	\$4,776
40	1200	460	364TC	708	0406XSSB42A-P	48	94.1	1, 9	MTP840	\$8,155
40	1200	575	364TC	708	0406XSSC42A-P	38.4	94.1	1, 9	MTP840	\$8,155
50	3600	460	326TSC	624	0502XSSB42B-P	58	93.0	1, 9	MTP840	\$6,281
50	3600	575	326TSC	624	0502XSSC42B-P	46.4	93.0	1, 9	MTP840	\$6,281
50	1800	460	326TC	651	0504XSSB42A-P	60	94.5	1, 9	MTP840	\$5,420
50	1800	575	326TC	651	0504XSSC42A-P	48	94.5	1, 9	MTP840	\$5,420
50	1200	460	365TC	757	0506XSSB42A-P	60	94.1	1, 9	MTP840	\$9,241
50	1200	575	365TC	757	0506XSSC42A-P	48	94.1	1, 9	MTP840	\$9,241
60	3600	460	364TSC	763	0602XSSB42B-P	69.0	93.6	1, 9	MTP840	\$8,435
60	3600	575	364TSC	763	0602XSSC42B-P	55.0	93.6	1, 9	MTP840	\$8,435
60	1800	460	364TC	796	0604XSSB42A-P	69.0	95.0	1, 9	MTP840	\$8,370
60	1800	575	364TC	796	0604XSSC42A-P	55.0	95.0	1, 9	MTP840	\$8,370
75	3600	460	365TSC	814	0752XSSB42B-P	86	93.6	1, 9	MTP840	\$10,382
75	3600	575	365TSC	814	0752XSSC42B-P	68.8	93.6	1, 9	MTP840	\$10,382
75	1800	460	365TC	893	0754XSSB42A-P	86	95.4	1, 9	MTP840	\$9,880
75	1800	575	365TC	893	0754XSSC42A-P	68.8	95.4	1, 9	MTP840	\$9,880

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Please Contact Toshiba for NEMA "BA" Dimensioned Motors on 140-250 Frame.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQP Global refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Totally Enclosed Fan Cooled

EQP Global 841

C-Face Footed

NEMA Premium®

Efficiency



Toshiba’s general purpose, totally enclosed fan cooled, NEMA Premium®efficiency, EQP Global 841 C-Face Footed motor series is Toshiba’s next-generation motor product line. The EQP Global 841 C-Face Footed motor is designed to meet or exceed the competitive demands of the global market, as well as the requirements of the Energy Independence & Security Act of 2007 (EISA), while maintaining the high reliability and quality expected from Toshiba.



The EQP Global 841 C-Face Footed motor specifically addresses the needs of the petrochemical industry, where premium performance and reliability are imperative. Building on over 20 years of success with our EQPIII motor series, this new motor line features design enhancements on the rotor, frame, brackets, fan, and bearings.

Product Scope

Horsepower:	3/4 to 75 HP
Speed:	3600, 1800, or 1200 RPM
Volt:	460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143TC through 365TC
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.06 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

***Production modifications not applicable to EQP Global Motors140-360 Frame (use EQPIII Series base price for these frame sizes.)**

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.75	1200	460	143TC	52	3/46XDSB42A-P	1.4	80.0	1	MTP841	\$938
0.75	1200	575	143TC	52	3/46XDSC42A-P	1.1	81.9	1	MTP841	\$938
1	1800	460	143TC	51	0014XDSB42A-P	1.7	85.5	1	MTP841	\$823
1	1800	575	143TC	51	0014XDSC42A-P	1.3	85.5	1	MTP841	\$823
1	1200	460	145TC	56	0016XDSB42A-P	1.8	82.5	1	MTP841	\$994
1	1200	575	145TC	56	0016XDSC42A-P	1.5	82.5	1	MTP841	\$994
1.5	3600	460	143TC	50	Y152XDSB42A-P	2	84.0	1	MTP841	\$873
1.5	3600	575	143TC	50	Y152XDSC42A-P	1.6	84.0	1	MTP841	\$873
1.5	1800	460	145TC	53	Y154XDSB42A-P	2.4	86.5	1	MTP841	\$902
1.5	1800	575	145TC	53	Y154XDSC42A-P	1.9	86.5	1	MTP841	\$902
1.5	1200	460	182TC	79	Y156XDSB42A-P	2.5	87.5	1	MTP841	\$1,223
1.5	1200	575	182TC	79	Y156XDSC42A-P	2.0	87.5	1	MTP841	\$1,223
2	3600	460	145TC	53	0022XDSB42A-P	2.6	85.5	1	MTP841	\$1,024
2	3600	575	145TC	53	0022XDSC42A-P	2.1	85.5	1	MTP841	\$1,024
2	1800	460	145TC	56	0024XDSB42A-P	3	86.5	1	MTP841	\$980
2	1800	575	145TC	56	0024XDSC42A-P	2.4	86.5	1	MTP841	\$980
2	1200	460	184TC	93	0026XDSB42A-P	3.4	88.5	1	MTP841	\$1,248
2	1200	575	184TC	93	0026XDSC42A-P	2.7	88.5	1	MTP841	\$1,248

Totally Enclosed Fan Cooled EQP Global 841 C-Face Footed NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	3600	460	182TC	77	0032XDSB42A-P	3.7	86.5	1	MTP841	\$1,254
3	3600	575	182TC	77	0032XDSC42A-P	3.0	86.5	1	MTP841	\$1,254
3	1800	460	182TC	86	0034XDSB42A-P	4	89.5	1	MTP841	\$1,185
3	1800	575	182TC	86	0034XDSC42A-P	3.2	89.5	1	MTP841	\$1,185
3	1200	460	213TC	147	0036XDSB42A-P	4.4	89.5	1	MTP841	\$1,539
3	1200	575	213TC	147	0036XDSC42A-P	3.5	89.5	1	MTP841	\$1,539
5	3600	460	184TC	91	0052XDSB42A-P	5.8	88.5	1	MTP841	\$1,404
5	3600	575	184TC	91	0052XDSC42A-P	4.6	88.5	1	MTP841	\$1,404
5	1800	460	184TC	97	0054XDSB42A-P	6.5	89.5	1	MTP841	\$1,260
5	1800	575	184TC	97	0054XDSC42A-P	5.2	89.5	1	MTP841	\$1,260
5	1200	460	215TC	165	0056XDSB42A-P	6.9	89.5	1	MTP841	\$2,139
5	1200	575	215TC	165	0056XDSC42A-P	5.5	89.5	1	MTP841	\$2,139
7.5	3600	460	213TC	155	Y752XDSB42A-P	9	89.5	1	MTP841	\$1,718
7.5	3600	575	213TC	155	Y752XDSC42A-P	7.2	89.5	1	MTP841	\$1,718
7.5	1800	460	213TC	171	Y754XDSB42A-P	9.8	91.7	1	MTP841	\$1,707
7.5	1800	575	213TC	171	Y754XDSC42A-P	7.8	91.7	1	MTP841	\$1,707
7.5	1200	460	254TC	252	Y756XDSB42A-P	10.2	91.0	1	MTP841	\$2,816
7.5	1200	575	254TC	252	Y756XDSC42A-P	8.2	91.0	1	MTP841	\$2,816
10	3600	460	215TC	172	0102XDSB42A-P	11.8	90.2	1	MTP841	\$1,976
10	3600	575	215TC	172	0102XDSC42A-P	9.4	90.2	1	MTP841	\$1,976
10	1800	460	215TC	186	0104XDSB42A-P	13	91.7	1	MTP841	\$2,020
10	1800	575	215TC	186	0104XDSC42A-P	10.4	91.7	1	MTP841	\$2,020
10	1200	460	256TC	274	0106XDSB42A-P	13.4	91.0	1	MTP841	\$3,381
10	1200	575	256TC	274	0106XDSC42A-P	10.8	91.0	1	MTP841	\$3,381
15	3600	460	254TC	274	0152XDSB42A-P	18	91.0	1	MTP841	\$2,741
15	3600	575	254TC	274	0152XDSC42A-P	14.4	91.0	1	MTP841	\$2,741
15	1800	460	254TC	289	0154XDSB42A-P	19	92.4	1	MTP841	\$2,697
15	1800	575	254TC	289	0154XDSC42A-P	15.2	92.4	1	MTP841	\$2,697
15	1200	460	284TC	364	0156XDSB42A-P	19.6	91.7	1	MTP841	\$4,577
15	1200	575	284TC	364	0156XDSC42A-P	15.8	91.7	1	MTP841	\$4,577
20	3600	460	256TC	292	0202XDSB42A-P	24	91.0	1	MTP841	\$3,328
20	3600	575	256TC	292	0202XDSC42A-P	19.2	91.0	1	MTP841	\$3,328
20	1800	460	256TC	340	0204XDSB42A-P	25	93.0	1	MTP841	\$3,292
20	1800	575	256TC	340	0204XDSC42A-P	20.0	93.0	1	MTP841	\$3,292
20	1200	460	286TC	411	0206XDSB42A-P	25.4	91.7	1	MTP841	\$5,481
20	1200	575	286TC	411	0206XDSC42A-P	20.4	91.7	1	MTP841	\$5,481
25	3600	460	284TSC	406	0252XDSB42B-P	29	91.7	1	MTP841	\$4,217
25	3600	575	284TSC	406	0252XDSC42B-P	23.2	91.7	1	MTP841	\$4,217
25	1800	460	284TC	424	0254XDSB42A-P	30.5	93.6	1	MTP841	\$4,045
25	1800	575	284TC	424	0254XDSC42A-P	24.4	93.6	1	MTP841	\$4,045
25	1200	460	324TC	545	0256XDSB42A-P	31.2	93.0	1	MTP841	\$6,604
25	1200	575	324TC	545	0256XDSC42A-P	24.6	93.0	1	MTP841	\$6,604
30	3600	460	286TSC	439	0302XDSB42B-P	35	91.7	1	MTP841	\$4,848
30	3600	575	286TSC	439	0302XDSC42B-P	28.0	91.7	1	MTP841	\$4,848
30	1800	460	286TC	448	0304XDSB42A-P	36.4	93.6	1	MTP841	\$4,633
30	1800	575	286TC	448	0304XDSC42A-P	29.2	93.6	1	MTP841	\$4,633
30	1200	460	326TC	571	0306XDSB42A-P	37.2	93.0	1	MTP841	\$7,531

Totally Enclosed Fan Cooled

EQP Global 841 C-Face Footed

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
30	1200	575	326TC	571	0306XDSC42A-P	30.0	93.0	1	MTP841	\$7,531
40	3600	460	324TSC	589	0402XDSC42B-P	47	92.4	1	MTP841	\$6,292
40	3600	575	324TSC	589	0402XDSC42B-P	37.6	92.4	1	MTP841	\$6,292
40	1800	460	324TC	593	0404XDSC42A-P	48	94.1	1	MTP841	\$6,067
40	1800	575	324TC	593	0404XDSC42A-P	38.4	94.1	1	MTP841	\$6,067
40	1200	460	364TC	708	0406XDSC42A-P	48	94.1	1	MTP841	\$10,362
40	1200	575	364TC	708	0406XDSC42A-P	38.4	94.1	1	MTP841	\$10,362
50	3600	460	326TSC	624	0502XDSC42B-P	58	93.0	1	MTP841	\$8,023
50	3600	575	326TSC	624	0502XDSC42B-P	46.4	93.0	1	MTP841	\$8,023
50	1800	460	326TC	651	0504XDSC42A-P	60	94.5	1	MTP841	\$7,337
50	1800	575	326TC	651	0504XDSC42A-P	48.0	94.5	1	MTP841	\$7,337
50	1200	460	365TC	757	0506XDSC42A-P	60	94.1	1	MTP841	\$11,776
50	1200	575	365TC	757	0506XDSC42A-P	48.0	94.1	1	MTP841	\$11,776
60	3600	460	364TSC	763	0602XDSC42B-P	69	93.6	1	MTP841	\$9,732
60	3600	575	364TSC	763	0602XDSC42B-P	55.0	93.6	1	MTP841	\$9,732
60	1800	460	364TC	796	0604XDSC42A-P	69	95.0	1	MTP841	\$9,657
60	1800	575	364TC	796	0604XDSC42A-P	55.0	95.0	1	MTP841	\$9,657
75	3600	460	365TSC	814	0752XDSC42B-P	86	93.6	1	MTP841	\$12,016
75	3600	575	365TSC	814	0752XDSC42B-P	68.8	93.6	1	MTP841	\$12,016
75	1800	460	365TC	893	0754XDSC42A-P	86	95.4	1	MTP841	\$12,023
75	1800	575	365TC	893	0754XDSC42A-P	68.8	95.4	1	MTP841	\$12,023

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Please Contact Toshiba for NEMA "BA" Dimentioned Motors on 140-250 Frame.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQP Global refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Definite Purpose CT Series

Open Drip Proof Oil Well Pump Motors

Toshiba's definite purpose CT, open drip proof, high efficiency, Oil Well Pump motor series shares the same superb quality as other Toshiba open drip proof designs. This series is equipped to handle the harshest of environments including installations in remote locations where the motor cannot be easily accessed. These motors are specifically built for use in the oil industry and offer a high-slip, high-torque design with protective screens to safeguard against outdoor elements. Exceptional corrosion-resistance and high structural rigidity are inherent in this type of motor, and reliability and durability are critical factors that differentiate this product from competitors' offerings.

Standard Features:

- Open Drip Proof
- High Efficiency
- 230/460/796 V (796 V Usable on Solidly Grounded Neutral System)
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- Class F Insulation
- IP22 Protection
- NEMA Design D
 - 5% to 8% Slip
 - 275% or Higher Locked Rotor Torque
- F2 Assembly
- Normally-Closed Thermostats
- Cast Iron Frame & Brackets
- Cast Iron Conduit Box
- Corrosion-Resistant Screens
- Lithium Base Grease
- Y-Delta Starting (240/460 V Only)

Applications:

- Oil Well Pumps
- Presses
- Lifts
- High Slip, Design D

Warranty:

- From Date of Shipment: 24 Months

2 Year
Warranty



Open Drip Proof

Oil Well Pump

High Efficiency



Toshiba’s definite purpose CT, open drip proof, high efficiency, Oil Well Pump motor series shares the same superb quality as other Toshiba open drip proof designs. This series is equipped to handle the harshest of environments including installations in remote locations where the motor cannot be easily accessed. These motors are specifically built for use in the oil industry and offer a high-slip, high-torque design with protective screens to safeguard against outdoor elements. Exceptional corrosion-resistance and high structural rigidity are inherent in this type of motor, and reliability and durability are critical factors that differentiate this product from competitors’ offerings.



Product Scope

Horsepower:	5 to 100 HP
Speed:	1200 RPM
Voltage:	230/460/796 V
Enclosure:	Open Drip Proof
Frame Size:	215T through 444T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.12 Inches/Second or Less
Insulation:	Class F

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
5	1200	230/460/796	215T	157	0056DPPD11A-P	8	84.0	1	MCTOWP	\$1,068
7.5	1200	230/460/796	254T	229	Y756DPPD11A-P	9.8	83.6	1	MCTOWP	\$1,337
10	1200	230/460/796	256T	264	0106DPPD11A-P	14.5	85.2	1	MCTOWP	\$1,665
15	1200	230/460/796	284T	333	0156DPPD11A-P	21.4	83.6	1	MCTOWP	\$2,321
20	1200	230/460/796	286T	364	0206DPPD11A-P	27.3	84.2	1	MCTOWP	\$2,771
25	1200	230/460/796	324T	444	0256DPPD11A-P	33.4	86.5	1	MCTOWP	\$3,319
30	1200	230/460/796	326T	496	0306DPPD11A-P	39.3	86.7	1	MCTOWP	\$4,039
40	1200	230/460/796	364T	599	0406DPPD11A-P	50.9	88.3	1	MCTOWP	\$5,168
50	1200	230/460/796	365T	675	0506DPPD11A-P	62.7	88.6	1	MCTOWP	\$6,485
60	1200	230/460/796	404T	998	0606DPPD11A-P	74.8	88.6	1	MCTOWP	\$7,362
75	1200	230/460/796	405T	1069	0756DPPD11A-P	92.9	89.0	1	MCTOWP	\$8,737
100	1200	230/460/796	444T	1339	1006DPPD11A-P	122	90.0	1	MCTOWP	\$11,105

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Definite Purpose CT Series

Totally Enclosed Fan Cooled Design C Motors



The definite purpose CT, totally enclosed fan cooled, EPACT efficiency, Design C motor series is designed using the CT EPACT motor as a base and incorporating Design C torque. This product is typically used in conveyor or shaker applications, or other applications requiring high starting torque, and can handle indoor and outdoor use. This motor product line encompasses Toshiba's impressive standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba.

Standard Features:

- Totally Enclosed Fan Cooled
- EPACT Efficiency
- 230/460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- NEMA Design C Performance
- Class F Insulation
- Inverter Duty- Exceeds Insulation Requirements of NEMA MG1 Part 30
- Stamped Steel Gasketed Conduit Box
- Cast Iron Frame
- Stamped Steel Fan Cover
- Cast Iron Brackets
- Ball Bearing 143T through 326T
- Roller Bearing on all 360T through 440T, 4 & 6-Pole
- Shaft Slinger on the Drive End
- Lithium Base Grease
- Stainless Steel Nameplate

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- General Applications

Warranty:

- From Date of Shipment: 24 Months

2 Year
Warranty



**Totally Enclosed
Fan Cooled
Design C
EPACT Efficiency**



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
10	1800	230/460	215T	185	0104FTCA21A-P	25.2/12.6	89.5	1	MCTFCC	\$988
10	1800	575	215T	192	0104FTCC21A-P	10.1	89.5	1	MCTFCC	\$988
10	1200	230/460	256T	335	0106FTCA21A-P	26.6/13.3	89.5	1	MCTFCC	\$1,859
10	1200	575	256T	313	0106FTCC21A-P	10.6	89.5	1	MCTFCC	\$1,859
15	1800	230/460	254T	278	0154FTCA21A-P	36.6/18.3	91.0	1	MCTFCC	\$1,424
15	1800	575	254T	273	0154FTCC21A-P	14.6	91.0	1	MCTFCC	\$1,424
15	1200	230/460	284T	423	0156FTCA21A-P	40/20	90.2	1	MCTFCC	\$2,546
15	1200	575	284T	445	0156FTCC21A-P	16	90.2	1	MCTFCC	\$2,546
20	1800	230/460	256T	304	0204FTCA21A-P	49.2/24.6	91.0	1	MCTFCC	\$1,757
20	1800	575	256T	306	0204FTCC21A-P	19.7	91.0	1	MCTFCC	\$1,757
20	1200	230/460	286T	481	0206FTCA21A-P	52/26	90.2	1	MCTFCC	\$3,146
20	1200	575	286T	489	0206FTCC21A-P	20.5	90.2	1	MCTFCC	\$3,146
25	1800	230/460	284T	452	0254FTCA21A-P	62/31	92.4	1	MCTFCC	\$2,116
25	1800	575	284T	485	0254FTCC21A-P	24.8	92.4	1	MCTFCC	\$2,116
25	1200	230/460	324T	573	0256FTCA21A-P	62/31	91.7	1	MCTFCC	\$3,802
25	1200	575	324T	582	0256FTCC21A-P	24.8	91.7	1	MCTFCC	\$3,802
30	1800	230/460	286T	481	0304FTCA21A-P	73/36.5	92.4	1	MCTFCC	\$2,560
30	1800	575	286T	511	0304FTCC21A-P	29.2	92.4	1	MCTFCC	\$2,560
30	1200	230/460	326T	655	0306FTCA21A-P	72/36	91.7	1	MCTFCC	\$4,188
30	1200	575	326T	666	0306FTCC21A-P	28.8	91.7	1	MCTFCC	\$4,188
40	1800	230/460	324T	608	0404FTCA21A-P	96/48	93.0	1	MCTFCC	\$3,493
40	1800	575	324T	631	0404FTCC21A-P	38.4	93.0	1	MCTFCC	\$3,493
40	1200	230/460	364T	827	0406FTCA21A-P	95.6/47.8	93.0	1	MCTFCC	\$5,656
40	1200	575	364T	825	0406FTCC21A-P	38.2	93.0	1	MCTFCC	\$5,656
50	1800	230/460	326T	714	0504FTCA21A-P	118/59	93.0	1	MCTFCC	\$3,932
50	1800	575	326T	728	0504FTCC21A-P	47.2	93.0	1	MCTFCC	\$3,932
50	1200	230/460	365T	926	0506FTCA21A-P	116/58	93.0	1	MCTFCC	\$6,834
50	1200	575	365T	946	0506FTCC21A-P	46.4	93.0	1	MCTFCC	\$6,834
60	1800	230/460	364T	910	0604FTCA21A-P	144/72	93.6	1	MCTFCC	\$5,987
60	1800	575	364T	941	0604FTCC21A-P	57.6	93.6	1	MCTFCC	\$5,987
60	1200	230/460	404T	1240	0606FTCA21A-P	140/70	93.6	1	MCTFCC	\$8,601
60	1200	575	404T	1240	0606FTCC21A-P	56.0	93.9	1	MCTFCC	\$8,601
75	1800	230/460	365T	1001	0754FTCA21A-P	178/89	94.1	1	MCTFCC	\$7,156
75	1800	575	365T	1001	0754FTCC21A-P	71.2	94.1	1	MCTFCC	\$7,156
75	1200	230/460	405T	1319	0756FTCA21A-P	174/87	93.6	1	MCTFCC	\$9,577
75	1200	575	405T	1319	0756FTCC21A-P	69.6	93.6	1	MCTFCC	\$9,577
100	1800	230/460	405T	1370	1004FTCA21A-P	242/121	94.5	1	MCTFCC	\$9,099
100	1800	575	405T	1370	1004FTCC21A-P	96.8	94.5	1	MCTFCC	\$9,099
100	1200	230/460	444T	1786	1006FTCA21A-P	244/122	94.1	1	MCTFCC	\$12,416
100	1200	575	444T	1786	1006FTCC21A-P	97.6	94.1	1	MCTFCC	\$12,416
125	1800	230/460	444T	1837	1254FTCA21A-P	290/145	94.5	1	MCTFCC	\$12,083
125	1800	575	444T	1837	1254FTCC21A-P	116.0	94.5	1	MCTFCC	\$12,083
125	1200	230/460	445T	1941	1256FTCA21A-P	302/151	94.1	1	MCTFCC	\$14,705
125	1200	575	445T	1941	1256FTCC21A-P	121.0	94.1	1	MCTFCC	\$14,705
150	1800	230/460	445T	2040	1504FTCA21A-P	338/169	95.0	1	MCTFCC	\$14,251
150	1800	575	445T	2040	1504FTCC21A-P	135.0	95.0	1	MCTFCC	\$14,251
150	1200	460	447T	2211	1506FTCB21A-P	179.0	95.0	1	MCTFCC	\$17,256

Totally Enclosed

Fan Cooled

Design C

EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
150	1200	575	447T	2211	1506FTCC21A-P	143.0	95.0	1	MCTFCC	\$17,256
200	1800	460	447T	2375	2004FTCB21A-P	226.0	95.0	1	MCTFCC	\$17,638
200	1800	575	447T	2375	2004FTCC21A-P	180.0	95.0	1	MCTFCC	\$17,638
200	1200	460	449T	2809	2006FTCB21A-P	237.0	95.0	1	MCTFCC	\$21,359
200	1200	575	449T	2809	2006FTCC21A-P	190.0	95.0	1	MCTFCC	\$21,359

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Definite Purpose XT Series

Open Drip Proof Dry Kiln Motors

XT

Toshiba's definite purpose XT, open drip proof, high efficiency, Dry Kiln motor series incorporates a new and improved insulation system into the premium open drip proof design. This allows for running the motor in higher ambient temperatures (90°, 115°, and 135°C), and meets the ever-increasing demands of the lumber industry. The Dry Kiln motor series is designed for indoor and outdoor use in even the harshest dry kiln environments. High ambient temperatures, high humidity, and chemicals present no problem to this motor series due to its corrosion-resistance and high structural rigidity. As with other Toshiba designs, reliability and durability are critical factors that differentiate this product from competitors' offerings.

Standard Features:

- Open Drip Proof
- High Efficiency
- 460 & 575 V
- Three-Phase
- 60 Hz
- NEMA Design B
- Class H Insulation
- Inverter Duty- Exceeds Insulation Requirements of NEMA MG1 Part 31
- Special Windings for High Humidity & Corrosive Atmospheres
- 90°, 115°, & 135°C Designs
- 8-Foot Class H Leads (Three Leads)
- 304 Stainless Steel Nameplate
- Stamped Steel Conduit Box
- Cast Iron Frame
- Cast Iron Bearing Brackets
- High Temperature Bearing Grease

Applications:

- Soft Wood Dry Kilns
- Hard Wood Dry Kilns
- High Temperature Fans
- Oven Conveyors

Warranty:

- From Date of Shipment: 18 Months
- From Date of Installation: 12 Months



Open Drip Proof Dry Kiln

90° C Ambient High Efficiency



Toshiba’s definite purpose XT, open drip proof, high efficiency, Dry Kiln motor series incorporates a new and improved insulation system into the premium open drip proof design. This allows for running the motor in higher ambient temperatures (90°, 115°, and 135°C), and meets the ever-increasing demands of the lumber industry. The Dry Kiln motor series is designed for indoor and outdoor use in even the harshest dry kiln environments. High ambient temperatures, high humidity, and chemicals present no problem to this motor series due to its corrosion-resistance and high structural rigidity. As with other Toshiba designs, reliability and durability are critical factors that differentiate this product from competitors’ offerings.



Product Scope

Horsepower:	3 to 25 HP
Speed:	1800, 1200, & 900 RPM
Voltage:	460 V (575 V Available Upon Request)
Enclosure:	Open Drip Proof
Frame Size:	184T through 326T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class H, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Notes	Discount Symbol	List Price
3	1200	460	213T	142	0036DPKB11A	4.6		MXTPDK	\$2,955
5	1800	460	184T	100	0054DPKB11A	6.3		MXTPDK	\$2,782
5	1200	460	215T	180	0056DPKB11A	6.8		MXTPDK	\$3,082
5	900	460	254T	232	0058DPKB11A	7.8		MXTPDK	\$3,331
7.5	1800	460	213T	141	Y754DPKB11A	10.3		MXTPDK	\$2,955
7.5	1200	460	254T	230	Y756DPKB11A	10.5		MXTPDK	\$3,331
7.5	900	460	256T	303	Y758DPKB11A	11.5		MXTPDK	\$3,930
10	1800	460	215T	158	0104DPKB11A	12		MXTPDK	\$3,082
10	1200	460	256T	261	0106DPKB11A	13.5		MXTPDK	\$3,930
10	900	460	284T	343	0108DPKB11A	15.5		MXTPDK	\$4,950
15	1800	460	254T	256	0154DPKB11A	19		MXTPDK	\$3,331
15	1200	460	284T	326	0156DPKB11A	21		MXTPDK	\$4,950
15	900	460	286T	395	0158DPKB11A	23		MXTPDK	\$6,262
20	1800	460	256T	294	0204DPKB11A	24		MXTPDK	\$3,930
20	1200	460	286T	355	0206DPKB11A	27		MXTPDK	\$6,262
20	900	460	324T	492	0208DPKB11A	30		MXTPDK	\$7,411
25	1800	460	284T	373	0254DPKB11A	32		MXTPDK	\$4,950
25	1200	460	324T	433	0256DPKB11A	33		MXTPDK	\$7,411
25	900	460	326T	495	0258DPKB11A	36		MXTPDK	\$8,325

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Open Drip Proof Dry Kiln 115°C Ambient High Efficiency



Toshiba's definite purpose XT, open drip proof, high efficiency, Dry Kiln motor series incorporates a new and improved insulation system into the premium open drip proof design. This allows for running the motor in higher ambient temperatures (90°, 115°, and 135°C), and meets the ever-increasing demands of the lumber industry. The Dry Kiln motor series is designed for indoor and outdoor use in even the harshest dry kiln environments. High ambient temperatures, high humidity, and chemicals present no problem to this motor series due to its corrosion-resistance and high structural rigidity. As with other Toshiba designs, reliability and durability are critical factors that differentiate this product from competitors' offerings.

XT

Product Scope

Horsepower:	5 to 25 HP
Speed:	1200 & 900 RPM
Voltage:	460 V (575 V Available Upon Request)
Enclosure:	Open Drip Proof
Frame Size:	215T through 326T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class H, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Notes	Discount Symbol	List Price
5	1200	460	215T	180	0056DPKB41A-Y	6.8	Contact Toshiba for Availability	MXTPDK	\$3,852
5	900	460	254T	232	0058DPKB21A-Y	7.8	↓	MXTPDK	\$4,165
7.5	1200	460	254T	230	Y756DPKB41A-Y	10.5		MXTPDK	\$4,165
7.5	900	460	256T	303	Y758DPKB21A-Y	11.5		MXTPDK	\$4,913
10	1200	460	256T	261	0106DPKB41A-Y	13.5		MXTPDK	\$4,913
10	900	460	284T	343	0108DPKB21A-Y	15.5		MXTPDK	\$6,326
15	1200	460	284T	326	0156DPKB41A-Y	21		MXTPDK	\$6,326
15	900	460	286T	395	0158DPKB21A-Y	23		MXTPDK	\$7,829
20	900	460	324T	492	0208DPKB41A-Y	30		MXTPDK	\$9,264
25	900	460	326T	495	0258DPKB21A-Y	36		MXTPDK	\$10,408

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

Stock Modifications

Production Modifications

Spare Parts

Model No. Index

Appendices

Open Drip Proof Dry Kiln

135° C Ambient High Efficiency



Toshiba’s definite purpose XT, open drip proof, high efficiency, Dry Kiln motor series incorporates a new and improved insulation system into the premium open drip proof design. This allows for running the motor in higher ambient temperatures (90°, 115°, and 135°C), and meets the ever-increasing demands of the lumber industry. The Dry Kiln motor series is designed for indoor and outdoor use in even the harshest dry kiln environments. High ambient temperatures, high humidity, and chemicals present no problem to this motor series due to its corrosion-resistance and high structural rigidity. As with other Toshiba designs, reliability and durability are critical factors that differentiate this product from competitors’ offerings.



Product Scope

Horsepower:	5 to 25 HP
Speed:	1200 & 900 RPM
Voltage:	460 V (575 V Available Upon Request)
Enclosure:	Open Drip Proof
Frame Size:	254T through 365T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class H, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Notes	Discount Symbol	List Price
5	1200	460	254T	180	0056DPKB41A-Z	6.8	Contact Toshiba for Availability	MXTDPK	\$4,429
5	900	460	256T	232	0058DPKB21A-Z	7.8	↓	MXTDPK	\$4,788
7.5	1200	460	256T	230	Y756DPKB41A-Z	10.5		MXTDPK	\$4,788
7.5	900	460	284T	303	Y758DPKB21A-Z	11.5		MXTDPK	\$5,650
10	1200	460	284T	261	0106DPKB41A-Z	13.5		MXTDPK	\$5,650
10	900	460	286T	343	0108DPKB21A-Z	15.5		MXTDPK	\$7,115
15	1200	460	286T	326	0156DPKB41A-Z	21		MXTDPK	\$7,275
15	900	460	324T	395	0158DPKB21A-Z	23		MXTDPK	\$9,003
20	900	460	364T	492	0208DPKB41A-Z	30		MXTDPK	\$10,653
25	900	460	365T	495	0258DPKB21A-Z	36		MXTDPK	\$11,967

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Definite Purpose XT Series

Totally Enclosed Fan Cooled Brake Motors

XT

Toshiba's definite purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, Brake Motor series is designed to meet the needs of general holding applications. This product line is built to withstand the toughest conditions and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. It is designed for indoor and outdoor use. The Brake Motor series is suitable for indoor and outdoor use and is available in high efficiency and NEMA Premium® efficiency options.

Standard Features:

- Totally Enclosed Fan Cooled
- NEMA Premium® Efficiency
- C-Face Footed & Footless
- 230/460, 460, & 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- Class F Insulation
- 304 Stainless Steel Nameplate
- Inverter Duty; Exceeds Insulation Requirements of NEMA MG1 Part 31
- Stamped Steel Conduit Box on EQPIII
- Cast Iron Conduit Box on EQPIII-840
- Cast Iron Fan Cover
- Cast Iron Frame & Brackets
- V-Ring Seal on Drive End

Brake Options:

- Solenoid Actuated Spring-Set Brakes
- NEMA 2 (IP23), NEMA 4 (IP54) & NEMA 4X (IP55) Enclosures
- Multiple Options for Brake Voltages
- Manual Release Lever on Rear of Brake Housing
- Wear Adjustment
- Static Torque Ratings from 3 to 125 lb. ft.
- Production Designs from 15 to 25 HP (2, 4, & 6-Pole are Available Upon Application Review)

Applications:

- Conveyors
- Gear Reducers
- Door Lift Operators
- Material Handling
- Baggage Handling
- Carousels & Palletizing
- Holding Applications

Warranty:

- From Date of Shipment: 36 Months

3 Year Warranty



Totally Enclosed
Fan Cooled
EQPIII Brake Motor
NEMA Premium®
Efficiency



Toshiba’s definite purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII Brake Motor series is designed to meet the needs of general holding applications. This product line is built to withstand the toughest conditions and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. It is designed for indoor and outdoor use. The Brake Motor series is suitable for indoor and outdoor use and is available in NEMA Premium® efficiency design.



Product Scope

Horsepower:	1/2 to 30 HP
Speed:	1800, 1200 or 900 RPM
Voltage:	230/460, 460, or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 286T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1200	230/460	143T	66	6	B1/262LF2AMH				MXTFCB	\$2,043
0.5	1200	575	143T	66	6	B1/262LF2OMH				MXTFCB	\$2,043
0.75	1200	230/460	143T	66	6	B3/462LF2AMH	3.0/1.5	80.0*		MXTFCB	\$2,093
0.75	1200	575	143T	66	6	B3/462LF2OMH	1.2	80.0*		MXTFCB	\$2,093
1	1800	230/460	143T	66	6	B00142LF2AMH	2.8/1.4	85.5		MXTFCB	\$2,124
1	1800	575	143T	66	6	B00142LF2OMH	1.1	85.5		MXTFCB	\$2,124
1	1200	230/460	145T	75	10	B00163LF2AMH	3.6/1.8	82.5		MXTFCB	\$2,183
1	1200	575	145T	75	10	B00163LF2OMH	1.4	82.5		MXTFCB	\$2,183
1	900	230/460	182T		10	B00183LF2AMH				MXTFCB	\$3,088
1	900	575	182T		10	B00183LF2OMH				MXTFCB	\$3,088
1.5	1800	230/460	145T	70	10	BY1543LF2AMH	4.4/2.2	86.5		MXTFCB	\$2,165
1.5	1800	575	145T	70	10	BY1543LF2OMH	1.8	86.5		MXTFCB	\$2,165
1.5	1200	230/460	182T	94	10	BY1563LF2AMH	5/2.5	87.5		MXTFCB	\$2,456
1.5	1200	575	182T	94	10	BY1563LF2OMH	2	86.5		MXTFCB	\$2,456
1.5	900	230/460	184T		15	BY1584LF2AMH				MXTFCB	\$3,420
1.5	900	575	184T		15	BY1584LF2OMH				MXTFCB	\$3,420
2	1800	230/460	145T	74	10	B00243LF2AMH	5.6/2.8	86.5		MXTFCB	\$2,174
2	1800	575	145T	74	10	B00243LF2OMH	2.2	86.5		MXTFCB	\$2,174
2	1200	230/460	184T	113	15	B00264LF2AMH	6.6/3.3	88.5		MXTFCB	\$2,653
2	1200	575	184T	113	15	B00264LF2OMH	2.6	88.5		MXTFCB	\$2,653
2	900	230/460	213T		25	B00284LF2AMH				MXTFCB	\$5,670
2	900	575	213T		25	B00284LF2OMH				MXTFCB	\$5,670
3	1800	230/460	182T	110	15	B00344LF2AMH	7.6/3.8	89.5		MXTFCB	\$2,568
3	1800	575	182T	110	15	B00344LF2OMH	3	89.5		MXTFCB	\$2,568
3	1200	230/460	213T	189	35	B00365LF2AMH	8.2/4.1	90.2		MXTFCB	\$4,707
3	1200	575	213T	189	35	B00365LF2OMH	3.3	90.2		MXTFCB	\$4,707

Totally Enclosed Fan Cooled EQPIII Brake Motor NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	900		215T		35	B00385LF2AMH				MXTFCB	\$5,762
3	900		215T		35	B00385LF2OMH				MXTFCB	\$5,762
5	1800	230/460	184T	115	15	B00544LF2AMH	12.6/6.3	89.5		MXTFCB	\$2,640
5	1800	575	184T	115	15	B00544LF2OMH	5	89.5		MXTFCB	\$2,640
5	1200	230/460	215T	206	35	B00565LF2AMH	13.4/6.7	90.2		MXTFCB	\$4,856
5	1200	575	215T	206	35	B00565LF2OMH	5.4	90.2		MXTFCB	\$4,856
5	900	230/460	254T		50	B00586LF2AMH				MXTFCB	\$3,390
5	900	575	254T		50	B00586LF2OMH				MXTFCB	\$3,390
7.5	1800	230/460	213T	217	35	BY7545LF2USH	18.2/9.1	91.7		MXTFCB	\$4,582
7.5	1800	575	213T	217	35	BY7545LF2OSH	7.3	91.7		MXTFCB	\$4,582
7.5	1200	230/460	254T		50	BY7566LF2USH				MXTFCB	\$6,073
7.5	1200	575	254T		50	BY7566LF2OSH				MXTFCB	\$6,073
7.5	900	230/460	256T		75	BY7586LF2USH				MXTFCB	\$9,200
7.5	900	575	256T		75	BY7586LF2OSH				MXTFCB	\$9,200
10	1800	230/460	215T	232	50	B01046LF2USH	24/12	91.7		MXTFCB	\$5,166
10	1800	575	215T	232	50	B01046LF2OSH	9.6	91.7		MXTFCB	\$5,166
10	1200	230/460	254T		75	B01067LF2USH				MXTFCB	\$7,409
10	1200	575	254T		75	B01067LF2OSH				MXTFCB	\$7,409
10	900	230/460	284T		105	B01088LF2USH				MXTFCB	\$11,210
10	900	575	284T		105	B01088LF2OSH				MXTFCB	\$11,210
15	1800	230/460	254T		75	B01547LF2USH				MXTFCB	\$6,773
15	1800	575	254T		75	B01547LF2OSH				MXTFCB	\$6,773
15	1200	230/460	284T		105	B01568LF2USH				MXTFCB	\$9,828
15	1200	575	284T		105	B01568LF2OSH				MXTFCB	\$9,828
15	900	230/460	286T		125	B01589LF2USH				MXTFCB	\$21,259
15	900	575	286T		125	B01589LF2OSH				MXTFCB	\$21,259
20	1800	230/460	256T		105	B02048LF2USH				MXTFCB	\$8,538
20	1800	575	256T		105	B02048LF2OSH				MXTFCB	\$8,538
20	1200	230/460	286T		125	B02069LF2USH				MXTFCB	\$18,908
20	1200	575	286T		125	B02069LF2OSH				MXTFCB	\$18,908
25	1800	230/460	284T		105	B02548LF2USH				MXTFCB	\$9,428
25	1800	575	284T		105	B02548LF2OSH				MXTFCB	\$9,428
30	1800	230/460	286T		125	B03049LF2USH				MXTFCB	\$18,243
30	1800	575	286T		125	B03049LF2OSH				MXTFCB	\$18,243

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Brake motors are available through 286T (4 and 6-Pole). Please contact Toshiba for pricing of ratings not listed above.

Totally Enclosed
Fan Cooled
EQPIII-840 Brake Motor
NEMA Premium®
Efficiency



Toshiba’s definite purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII-840 Brake Motor series is designed to meet the needs of general holding applications. This product line is built to withstand the toughest conditions and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. It is designed for indoor and outdoor use. The EQPIII-840 Brake Motor series is suitable for indoor and outdoor use and is available in NEMA Premium® efficiency design.



Product Scope

Horsepower:	1/2 to 30 HP
Speed:	1800, 1200 or 900 RPM
Voltage:	230/460, 460, or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 286T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1200	460	143T	66	6	B1/262LF1BMHD				MXTFCB	\$3,720
0.5	1200	575	143T	66	6	B1/262LF1OMHD				MXTFCB	\$3,720
0.75	1200	460	143T	66	6	B3/462LF1BMHD	1.5	80.0*		MXTFCB	\$3,780
0.75	1200	575	143T	66	6	B3/462LF1OMHD	1.2	80.0*		MXTFCB	\$3,780
1	1800	460	143T	76	6	B00142LF1BMHD	1.4	85.5		MXTFCB	\$3,788
1	1800	575	143T	76	6	B00142LF1OMHD	1.1	85.5		MXTFCB	\$3,788
1	1200	460	145T	70	10	B00163LF1BMHD	1.8	82.5		MXTFCB	\$3,880
1	1200	575	145T	70	10	B00163LF1OMHD	1.4	82.5		MXTFCB	\$3,880
1	900	230/460	182T		10	B00183LF1BMHD				MXTFCB	\$4,791
1	900	575	182T		10	B00183LF1OMHD				MXTFCB	\$4,791
1.5	1800	460	145T	85	10	BY1543LF1BMHD	2.2	86.5		MXTFCB	\$3,874
1.5	1800	575	145T	85	10	BY1543LF1OMHD	1.8	86.5		MXTFCB	\$3,874
1.5	1200	460	182T	94	10	BY1563LF1BMHD	2.5	86.5		MXTFCB	\$4,204
1.5	1200	575	182T	94	10	BY1563LF1OMHD	2	86.5		MXTFCB	\$4,204
1.5	900	230/460	184T		15	BY1584LF1BMHD				MXTFCB	\$5,172
1.5	900	575	184T		15	BY1584LF1OMHD				MXTFCB	\$5,172
2	1800	460	145T	95	10	B00243LF1BMHD	2.8	86.5		MXTFCB	\$4,151
2	1800	575	145T	95	10	B00243LF1OMHD	2.2	86.5		MXTFCB	\$4,151
2	1200	460	184T	125	15	B00264LF1BMHD	3.3	88.5		MXTFCB	\$4,405
2	1200	575	184T	125	15	B00264LF1OMHD	2.6	88.5		MXTFCB	\$4,405
2	900	230/460	213T		35	B00284LF3BMHD				MXTFCB	\$7,333
2	900	575	213T		35	B00284LF3OMHD				MXTFCB	\$7,333
3	1800	460	182T	100	15	B00344LF1BMHD	3.8	89.5		MXTFCB	\$4,348
3	1800	575	182T	100	15	B00344LF1OMHD	3	89.5		MXTFCB	\$4,348
3	1200	460	213T	189	35	B00365LF3BMHD	4.1	90.2		MXTFCB	\$6,450
3	1200	575	213T	189	35	B00365LF3OMHD	3.3	90.2		MXTFCB	\$6,450
3	900		215T		35	B00385LF3BMHD				MXTFCB	\$7,943
3	900		215T		35	B00385LF3OMHD				MXTFCB	\$7,943

Totally Enclosed Fan Cooled EQPIII-840 Brake Motor NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
5	1800	460	184T	125	15	B00544LF1BMHD	6.3	89.5		MXTFCB	\$4,427
5	1800	575	184T	125	15	B00544LF1OMHD	5	89.5		MXTFCB	\$4,427
5	1200	460	215T	201	35	B00565LF3BMHD	6.7	90.2		MXTFCB	\$6,639
5	1200	575	215T	201	35	B00565LF3OMHD	5.4	90.2		MXTFCB	\$6,639
5	900	230/460	254T		50	B00586LF3BMHD				MXTFCB	\$9,662
5	900	575	254T		50	B00586LF3OMHD				MXTFCB	\$9,662
7.5	1800	460	213T	190	35	BY7545LF3BSHD	9.1	91.7		MXTFCB	\$6,306
7.5	1800	575	213T	190	35	BY7545LF3OSHD	7.4	91.7		MXTFCB	\$6,306
7.5	1200	230/460	254T		50	BY7566LF3BSHD				MXTFCB	\$8,435
7.5	1200	575	254T		50	BY7566LF3OSHD				MXTFCB	\$8,435
7.5	900	230/460	256T		75	BY7586LF3BSHD				MXTFCB	\$11,628
7.5	900	575	256T		75	BY7586LF3OSHD				MXTFCB	\$11,628
10	1800	460	215T	190	50	B01046LF3BSHD	12	91.7		MXTFCB	\$6,940
10	1800	575	215T	190	50	B01046LF3OSHD	9.6	91.7		MXTFCB	\$6,940
10	1200	230/460	254T		75	B01067LF3BSHD				MXTFCB	\$9,974
10	1200	575	254T		75	B01067LF3OSHD				MXTFCB	\$9,974
10	900	230/460	284T		105	B01088LF3BSHD				MXTFCB	\$14,060
10	900	575	284T		105	B01088LF3OSHD				MXTFCB	\$14,060
15	1800	230/460	254T		75	B01547LF3BSHD				MXTFCB	\$9,124
15	1800	575	254T		75	B01547LF3OSHD				MXTFCB	\$9,124
15	1200	230/460	284T		105	B01568LF3BSHD				MXTFCB	\$12,691
15	1200	575	284T		105	B01568LF3OSHD				MXTFCB	\$12,691
15	900	230/460	286T		125	B01589LF3BSHD				MXTFCB	\$21,732
15	900	575	286T		125	B01589LF3OSHD				MXTFCB	\$21,732
20	1800	230/460	256T		105	B02048LF3BSHD				MXTFCB	\$10,904
20	1800	575	256T		105	B02048LF3OSHD				MXTFCB	\$10,904
20	1200	230/460	286T		125	B02069LF3BSHD				MXTFCB	\$19,368
20	1200	575	286T		125	B02069LF3OSHD				MXTFCB	\$19,368
25	1800	230/460	284T		105	B02548LF3BSHD				MXTFCB	\$12,026
25	1800	575	284T		105	B02548LF3OSHD				MXTFCB	\$12,026
30	1800	230/460	286T		125	B03049LF3BSHD				MXTFCB	\$18,550
30	1800	575	286T		125	B03049LF3OSHD				MXTFCB	\$18,550

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Brake motors are available through 286T (4 and 6-Pole). Please contact Toshiba for pricing of ratings not listed above.

Totally Enclosed

Fan Cooled

EQPIII Brake Motor

C-Face Footless

NEMA Premium®

Efficiency



Toshiba’s definite purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII Brake Motor C-Face Footless designed to meet the needs of general holding applications. This product line is built to withstand the toughest conditions and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. It is designed for indoor and outdoor use. The Brake Motor series is suitable for indoor and outdoor use and is available in NEMA Premium® efficiency design.

Product Scope

Horsepower: 1/2 to 30 HP

Speed: 1800, 1200 or 900 RPM

Voltage: 230/460, 460, or 575 V

Enclosure: Totally Enclosed Fan Cooled

Frame Size: 143T through 286T

Construction: Cast Iron

Vibration (Unfiltered): Typically 0.10 Inches/Second or Less

Insulation: Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1200	230/460	143TC	64	6	B1/262LC2AMH				MXTFCB	\$2,218
0.5	1200	575	143TC	64	6	B1/262LC2OMH				MXTFCB	\$2,218
0.75	1200	230/460	143TC	64	6	B3/462LC2AMH	3.0/1.5	80.0*		MXTFCB	\$2,268
0.75	1200	575	143TC	64	6	B3/462LC2OMH	1.2	80.0*		MXTFCB	\$2,268
1	1800	230/460	143TC	66	6	B00142LC2AMH	2.8/1.4	85.5		MXTFCB	\$2,299
1	1800	575	143TC	66	6	B00142LC2OMH	1.1	85.5		MXTFCB	\$2,299
1	1200	230/460	145TC	69	10	B00163LC2AMH	3.6/1.8	82.5		MXTFCB	\$2,358
1	1200	575	145TC	69	10	B00163LC2OMH	1.4	82.5		MXTFCB	\$2,358
1	900	230/460	182TC		10	B00183LC2AMH				MXTFCB	\$3,306
1	900	575	182TC		10	B00183LC2OMH				MXTFCB	\$3,306
1.5	1800	230/460	145TC	69	10	BY1543LC2AMH	4.4/2.2	86.5		MXTFCB	\$2,340
1.5	1800	575	145TC	69	10	BY1543LC2OMH	1.8	86.5		MXTFCB	\$2,340
1.5	1200	230/460	182TC	92	10	BY1563LC2AMH	5/2.5	87.5		MXTFCB	\$2,631
1.5	1200	575	182TC	92	10	BY1563LC2OMH	2	86.5		MXTFCB	\$2,631
1.5	900	230/460	184TC		15	BY1584LC2AMH				MXTFCB	\$3,639
1.5	900	575	184TC		15	BY1584LC2OMH				MXTFCB	\$3,639
2	1800	230/460	145TC	74	10	B00243LC2AMH	5.6/2.8	86.5		MXTFCB	\$2,349
2	1800	575	145TC	74	10	B00243LC2OMH	2.2	86.5		MXTFCB	\$2,349
2	1200	230/460	184TC	107	15	B00264LC2AMH	6.6/3.3	88.5		MXTFCB	\$2,828
2	1200	575	184TC	107	15	B00264LC2OMH	2.6	88.5		MXTFCB	\$2,828
2	900	230/460	213TC		20	B00285LC2AMH				MXTFCB	\$5,889
2	900	575	213TC		20	B00285LC2OMH				MXTFCB	\$5,889

Totally Enclosed Fan Cooled EQPIII Brake Motor C-Face Footless NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	1800	230/460	182TC	110	15	B00344LC2AMH	7.6/3.8	89.5		MXTFCB	\$2,743
3	1800	575	182TC	110	15	B00344LC2OMH	3	89.5		MXTFCB	\$2,743
3	1200	230/460	213TC	184	35	B00365LC2AMH	8.2/4.1	90.2		MXTFCB	\$4,926
3	1200	575	213TC	184	35	B00365LC2OMH	3.3	90.2		MXTFCB	\$4,926
3	900		215TC		25	B00385LC2AMH				MXTFCB	\$5,981
3	900		215TC		25	B00385LC2OMH				MXTFCB	\$5,981
5	1800	230/460	184TC	115	15	B00544LC2AMH	12.6/6.3	89.5		MXTFCB	\$2,815
5	1800	575	184TC	115	15	B00544LC2OMH	5	89.5		MXTFCB	\$2,815
5	1200	230/460	215TC	206	35	B00565LC2AMH	13.4/6.7	90.2		MXTFCB	\$5,075
5	1200	575	215TC	206	35	B00565LC2OMH	5.4	90.2		MXTFCB	\$5,075
5	900	230/460	254TC		50	B00586LC2AMH				MXTFCB	\$7,763
5	900	575	254TC		50	B00586LC2OMH				MXTFCB	\$7,763
7.5	1800	230/460	213TC	217	35	BY7545LC2USH	18.2/9.1	91.7		MXTFCB	\$4,801
7.5	1800	575	213TC	217	35	BY7545LC2OSH	7.3	91.7		MXTFCB	\$4,801
7.5	1200	230/460	254TC		50	BY7566LC2USH				MXTFCB	\$6,423
7.5	1200	575	254TC		50	BY7566LC2OSH				MXTFCB	\$6,423
7.5	900	230/460	256TC		75	BY7587LC2USH				MXTFCB	\$9,550
7.5	900	575	256TC		75	BY7587LC2OSH				MXTFCB	\$9,550
10	1800	230/460	215TC	227	50	B01046LC2USH	24/12	91.7		MXTFCB	\$5,385
10	1800	575	215TC	227	50	B01046LC2OSH	9.6	91.7		MXTFCB	\$5,385
10	1200	230/460	254TC		75	B01067LC2USH				MXTFCB	\$7,759
10	1200	575	254TC		75	B01067LC2OSH				MXTFCB	\$7,759
10	900	230/460	284TC		105	B01088LC2USH				MXTFCB	\$11,724
10	900	575	284TC		105	B01088LC2OSH				MXTFCB	\$11,724
15	1800	230/460	254TC		75	B01547LC2USH				MXTFCB	\$7,123
15	1800	575	254TC		75	B01547LC2OSH				MXTFCB	\$7,123
15	1200	230/460	284TC		105	B01568LC2USH				MXTFCB	\$10,342
15	1200	575	284TC		105	B01568LC2OSH				MXTFCB	\$10,342
15	900	230/460	286TC		125	B01589LC2USH				MXTFCB	\$21,773
15	900	575	286TC		125	B01589LC2OSH				MXTFCB	\$21,773
20	1800	230/460	256TC		105	B02048LC2USH				MXTFCB	\$8,887
20	1800	575	256TC		105	B02048LC2OSH				MXTFCB	\$8,887
20	1200	230/460	286TC		125	B02069LC2USH				MXTFCB	\$19,422
20	1200	575	286TC		125	B02069LC2OSH				MXTFCB	\$19,422
25	1800	230/460	284TC		105	B02548LC2USH				MXTFCB	\$9,942
25	1800	575	284TC		105	B02548LC2OSH				MXTFCB	\$9,942
30	1800	230/460	286TC		125	B03049LC2USH				MXTFCB	\$18,757
30	1800	575	286TC		125	B03049LC2OSH				MXTFCB	\$18,757

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Brake motors are available through 286T (4 and 6-Pole). Please contact Toshiba for pricing of ratings not listed above.

Totally Enclosed

Fan Cooled

EQPIII-840 Brake Motor

C-Face Footless

NEMA Premium®

Efficiency



Toshiba’s definite purpose XT, totally enclosed fan cooled, NEMA Premium® efficiency, EQPIII-840 Brake Motor C-Face Footless is designed to meet the needs of general holding applications. This product line is built to withstand the toughest conditions and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry — leading to a longer life and greater reliability. It is designed for indoor and outdoor use. The Brake Motor series is suitable for indoor and outdoor use and is available in NEMA Premium® efficiency design.

XT

Product Scope

Horsepower:	1/2 to 30 HP
Speed:	1800, 1200 or 900 RPM
Voltage:	230/460, 460, or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 286T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1200	460	143TC	64	6	B1/262LC1BMHD				MXTFCB	\$3,895
0.5	1200	575	143TC	64	6	B1/262LC1OMHD				MXTFCB	\$3,895
0.75	1200	460	143TC	64	6	B3/462LC1BMHD	1.5	80.0*		MXTFCB	\$3,955
0.75	1200	575	143TC	64	6	B3/462LC1OMHD	1.2	80.0*		MXTFCB	\$3,955
1	1800	460	143TC	76	6	B00142LC1BMHD	1.4	85.5		MXTFCB	\$3,963
1	1800	575	143TC	76	6	B00142LC1OMHD	1.1	85.5		MXTFCB	\$3,963
1	1200	460	145TC	69	10	B00163LC1BMHD	1.8	82.5		MXTFCB	\$4,055
1	1200	575	145TC	69	10	B00163LC1OMHD	1.4	82.5		MXTFCB	\$4,055
1	900	230/460	182TC		10	B00183LC1BMHD				MXTFCB	\$5,010
1	900	575	182TC		10	B00183LC1OMHD				MXTFCB	\$5,010
1.5	1800	460	145TC	75	10	BY1543LC1BMHD	2.2	86.5		MXTFCB	\$4,049
1.5	1800	575	145TC	75	10	BY1543LC1OMHD	1.8	86.5		MXTFCB	\$4,049
1.5	1200	460	182TC	92	10	BY1563LC1BMHD	2.5	86.5		MXTFCB	\$4,379
1.5	1200	575	182TC	92	10	BY1563LC1OMHD	2	86.5		MXTFCB	\$4,379
1.5	900	230/460	184TC		15	BY1584LC1BMHD				MXTFCB	\$5,390
1.5	900	575	184TC		15	BY1584LC1OMHD				MXTFCB	\$5,390
2	1800	460	145TC	74	10	B00243LC1BMHD	2.8	86.5		MXTFCB	\$4,326
2	1800	575	145TC	74	10	B00243LC1OMHD	2.2	86.5		MXTFCB	\$4,326
2	1200	460	184TC	145	15	B00264LC1BMHD	3.3	88.5		MXTFCB	\$4,580
2	1200	575	184TC	145	15	B00264LC1OMHD	2.6	88.5		MXTFCB	\$4,580
2	900	230/460	213TC		20	B00285LC3BMHD				MXTFCB	\$7,551
2	900	575	213TC		20	B00285LC3OMHD				MXTFCB	\$7,551

Totally Enclosed Fan Cooled EQPIII-840 Brake Motor C-Face Footless NEMA Premium® Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Brake (ft.-lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	1800	460	182TC	98	15	B00344LC1BMHD	3.8	89.5		MXTFCB	\$4,523
3	1800	575	182TC	98	15	B00344LC1OMHD	3	89.5		MXTFCB	\$4,523
3	1200	460	213TC	184	35	B00365LC3BMHD	4.1	90.2		MXTFCB	\$6,669
3	1200	575	213TC	184	35	B00365LC3OMHD	3.3	90.2		MXTFCB	\$6,669
3	900		215TC		25	B00385LC3BMHD				MXTFCB	\$8,161
3	900		215TC		25	B00385LC3OMHD				MXTFCB	\$8,161
5	1800	460	184TC	125	15	B00544LC1BMHD	6.3	89.5		MXTFCB	\$4,602
5	1800	575	184TC	125	15	B00544LC1OMHD	5	89.5		MXTFCB	\$4,602
5	1200	460	215TC	216	35	B00565LC3BMHD	6.7	90.2		MXTFCB	\$6,857
5	1200	575	215TC	216	35	B00565LC3OMHD	5.4	90.2		MXTFCB	\$6,857
5	900	230/460	254TC		50	B00586LC3BMHD				MXTFCB	\$10,012
5	900	575	254TC		50	B00586LC3OMHD				MXTFCB	\$10,012
7.5	1800	460	213TC	217	35	BY7545LC3BSHD	9.1	91.7		MXTFCB	\$6,525
7.5	1800	575	213TC	217	35	BY7545LC3OSHD	7.4	91.7		MXTFCB	\$6,525
7.5	1200	230/460	254TC		50	BY7566LC3BSHD				MXTFCB	\$8,785
7.5	1200	575	254TC		50	BY7566LC3OSHD				MXTFCB	\$8,785
7.5	900	230/460	256TC		75	BY7587LC3BSHD				MXTFCB	\$11,978
7.5	900	575	256TC		75	BY7587LC3OSHD				MXTFCB	\$11,978
10	1800	460	215TC	227	50	B01046LC3BSHD	12	91.7		MXTFCB	\$7,159
10	1800	575	215TC	227	50	B01046LC3OSHD	9.6	91.7		MXTFCB	\$7,159
10	1200	230/460	254TC		75	B01067LC3BSHD				MXTFCB	\$10,324
10	1200	575	254TC		75	B01067LC3OSHD				MXTFCB	\$10,324
10	900	230/460	284TC		105	B01088LC3BSHD				MXTFCB	\$14,574
10	900	575	284TC		105	B01088LC3OSHD				MXTFCB	\$14,574
15	1800	230/460	254TC		75	B01547LC3BSHD				MXTFCB	\$9,474
15	1800	575	254TC		75	B01047LC3OSHD				MXTFCB	\$9,474
15	1200	230/460	284TC		105	B01068LC3BSHD				MXTFCB	\$13,205
15	1200	575	284TC		105	B01068LC3OSHD				MXTFCB	\$13,205
15	900	230/460	286TC		125	B01089LC3BSHD				MXTFCB	\$22,246
15	900	575	286TC		125	B01089LC3OSHD				MXTFCB	\$22,246
20	1800	230/460	256TC		105	B02048LC3BSHD				MXTFCB	\$11,254
20	1800	575	256TC		105	B02048LC3OSHD				MXTFCB	\$11,254
20	1200	230/460	286TC		125	B02069LC3BSHD				MXTFCB	\$19,882
20	1200	575	286TC		125	B02069LC3OSHD				MXTFCB	\$19,882
25	1800	230/460	284TC		105	B02548LC3BSHD				MXTFCB	\$12,540
25	1800	575	284TC		105	B02548LC3OSHD				MXTFCB	\$12,540
30	1800	230/460	286TC		125	B03049LC3BSHD				MXTFCB	\$19,064
30	1800	575	286TC		125	B03049LC3OSHD				MXTFCB	\$19,064

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

NEMA Premium® is not defined for motors less than 1 HP, motors greater than 500 HP, or motors with speeds less than 1200 RPM.

EQPIII refers to motors that meet or exceed NEMA Premium® efficiency levels (except where noted with * symbol).

Brake motors are available through 286T (4 and 6-Pole). Please contact Toshiba for pricing of ratings not listed above.

Definite Purpose XT Series

XT

Totally Enclosed Fan Cooled

NEMA Design C Motors

The definite purpose XT, totally enclosed fan cooled, EPACT efficiency NEMA Design C motor series is designed using the XT EPACT motor as a base. This motor series meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11 and can be used in indoor or outdoor applications. This line encompasses Toshiba’s standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba.

Standard Features:

- Totally Enclosed Fan Cooled
- EPACT Efficiency
- 230/460 or 575 V
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- Class F Insulation
- 304 Stainless Steel Name Plate
- Inverter Duty; Exceeds Insulation Requirements of NEMA MG1 Part 31
- Cast Iron Conduit Box
- Cast Iron Frame & Brackets
- V-Ring Seal on Drive End

2 Year
Warranty

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- General Applications

Warranty:

- From Date of Shipment: 24 Months



Totally Enclosed Fan Cooled NEMA Design C EPACT Efficiency



The definite purpose XT, totally enclosed fan cooled, EPACT efficiency, NEMA Design C motor series is designed using the XT EPACT motor as a base. This motor series meets the basic NEMA energy efficiency requirements as listed in NEMA MG1 Table 12-11 and can be used in indoor or outdoor applications. This line encompasses Toshiba's standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba.

Product Scope

Horsepower:	1 to 60 HP
Speed:	1800 or 1200 RPM
Voltage:	230/460 or 575
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	143T through 404T
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Symbol	New List
1	1800	230/460	143T	54	C0014FLF2UMWQ	2.8/1.4	83.5		MXTFCQ	\$558
1	1800	575	143T	54	C0014FLF2OMWQ	1.1	82.5		MXTFCQ	\$558
1.5	1800	230/460	145T	61	CY154FLF2UMWQ	4.4/2.2	84.0		MXTFCQ	\$617
1.5	1800	575	145T	61	CY154FLF2OMWQ	1.8	84.0		MXTFCQ	\$617
2	1800	230/460	145T	62	C0024FLF2UMWQ	5.6/2.8	84.0		MXTFCQ	\$672
2	1800	575	145T	62	C0024FLF2OMWQ	2.2	84.0		MXTFCQ	\$672
3	1800	230/460	182T	94	C0034FLF2UMWQ	7.6/3.8	87.5		MXTFCQ	\$757
3	1800	575	182T	94	C0034FLF2OMWQ	3	87.5		MXTFCQ	\$757
5	1800	230/460	184T	106	C0054FLF2UMWQ	12.6/6.3	87.5		MXTFCQ	\$879
5	1800	575	184T	106	C0054FLF2OMWQ	5	87.5		MXTFCQ	\$879
7.5	1800	230/460	213T	185	CY754FLF2USWQ	18.6/9.3	89.5		MXTFCQ	\$1,492
7.5	1800	575	213T	185	CY754FLF2OSWQ	7.4	89.5		MXTFCQ	\$1,492
10	1800	230/460	215T	201	C0104FLF2USWQ	24/12	89.5		MXTFCQ	\$1,575
10	1800	575	215T	201	C0104FLF2OSWQ	9.6	89.5		MXTFCQ	\$1,575
10	1200	230/460	256T	327	C0106FLF2USWQ	26/13	89.5		MXTFCQ	\$2,673
10	1200	575	256T	327	C0106FLF2OSWQ	10.4	89.5		MXTFCQ	\$2,673
15	1800	230/460	254T	292	C0154FLF2USWQ	37/18.5	91.0		MXTFCQ	\$2,184
15	1800	575	254T	292	C0154FLF2OSWQ	14.8	91.0		MXTFCQ	\$2,184
15	1200	230/460	284T	370	C0156FLF3UMWQ	38/19	90.2		MXTFCQ	\$3,982
15	1200	575	284T	370	C0156FLF3OMWQ	15.2	90.2		MXTFCQ	\$3,982
20	1800	230/460	256T	340	C0204FLF2USWQ	50/25	91.0		MXTFCQ	\$2,643
20	1800	575	256T	340	C0204FLF2OSWQ	20	91.0		MXTFCQ	\$2,643
20	1200	230/460	286T	400	C0206FLF3UMWQ	50/25	90.2		MXTFCQ	\$4,511
20	1200	575	286T	400	C0206FLF3OMWQ	21	90.2		MXTFCQ	\$4,511
25	1800	230/460	284T	400	C0254FLF3UMWQ	60/30	92.4		MXTFCQ	\$3,523
25	1800	575	284T	400	C0254FLF3OMWQ	24	92.4		MXTFCQ	\$3,523

Totally Enclosed

Fan Cooled

NEMA Design C

EPACT Efficiency



HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Symbol	New List
25	1200	230/460	324T	493	C0256FLF3UMWQ	64/32	91.7		MXTFCQ	\$5,558
25	1200	575	324T	493	C0256FLF3OMWQ	26	91.7		MXTFCQ	\$5,558
30	1800	230/460	286T	432	C0304FLF3UMWQ	74/37	92.4		MXTFCQ	\$3,941
30	1800	575	286T	432	C0304FLF3OMWQ	29	92.4		MXTFCQ	\$3,941
30	1200	230/460	326T	543	C0306FLF3UMWQ	78/39	91.7		MXTFCQ	\$5,712
30	1200	575	326T	543	C0306FLF3OMWQ	31	91.7		MXTFCQ	\$5,712
40	1800	230/460	324T	569	C0404FLF3USWQ	92/46	93.0		MXTFCQ	\$5,262
40	1800	575	324T	569	C0404FLF3OSWQ	37	93.0		MXTFCQ	\$5,262
40	1200	230/460	364T	712	C0406FLF3UMWQ	98/49	93.0		MXTFCQ	\$8,482
40	1200	575	364T	712	C0406FLF3OMWQ	39	93.0		MXTFCQ	\$8,482
50	1800	230/460	326T	636	C0504FLF3USWQ	122/61	93.0		MXTFCQ	\$5,873
50	1800	575	326T	636	C0504FLF3OSWQ	49	93.0		MXTFCQ	\$5,873
50	1200	230/460	365T	795	C0506FLF3UMWQ	124/62	93.0		MXTFCQ	\$9,536
50	1200	575	365T	795	C0506FLF3OMWQ	50	93.0		MXTFCQ	\$9,536
60	1800	230/460	364T	748	C0604FLF3UMWQ	142/71	93.6		MXTFCQ	\$8,225
60	1800	575	364T	748	C0604FLF3OMWQ	57	93.6		MXTFCQ	\$8,225
60	1200	230/460	404T	1240	C0606FLF3USWQ	148/74	93.6		MXTFCQ	\$12,444
60	1200	575	404T	1240	C0606FLF3OSWQ	59	93.6		MXTFCQ	\$12,444

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Definite Purpose XT Series

Totally Enclosed Fan Cooled

Quarry Duty Motors

XT

Toshiba's definite purpose XT, totally enclosed fan cooled, high efficiency, Quarry Duty motor series has a proven track record of exceeding the extreme demands of the cement and aggregate industries. Our Quarry Duty motors utilize a totally enclosed fan cooled design and provide exceptional high torque, oversized superior-grade roller bearings, and shafts built with high strength 4142 steel. The roller bearings on the motor's drive-end allow for heavy radial loads normally associated with belt-driven applications. The Quarry Duty motor series exceeds NEMA MG1 Part 31 requirements and is designed for horizontal or vertical, indoor and outdoor applications.

Standard Features:

- Totally Enclosed Fan Cooled
- High Efficiency
- High Torque Design
- 230/460, 460 or 575 V
- Three-Phase
- 60 Hz
- Class F Insulation
- 1.15 Service Factor
- Inverter Duty; Exceeds Insulation Requirements of NEMA MG1 Part 31
- Cast Iron Frames
- Stamped Steel Fan Cover
- Cast Iron Brackets
- Open Re-Greaseable Bearings
- Polyurea Base Grease
- Cast Iron Conduit Box
- V-Ring Shaft Seal
- 4142 High Strength Shaft Steel on 444T & Above
- Grade-5 Hardware on 364T & 405T
- Grade-8 Hardware on 444T & Above
- Bearing Lock Nuts on 444T & Above for Vertical Applications
- Roller Bearings on 444T & Above

2 Year Warranty

Applications:

- Ball & Rolling Mills
- Centrifuges
- Chippers
- Cone Crushers
- Conveyors
- Debarkers
- Grinding Mills
- Hammer Mills
- Jaw Crushers

Warranty:

- From Date of Shipment: 24 Months



Totally Enclosed

Fan Cooled

Quarry Duty

High Efficiency



Toshiba’s definite purpose XT, totally enclosed fan cooled, high efficiency, Quarry Duty motor series has a proven track record of exceeding the extreme demands of the cement and aggregate industries. Our Quarry Duty motors utilize a totally enclosed fan cooled design and provide exceptional high torque, oversized superior-grade roller bearings, and shafts built with high strength 4142 steel. The roller bearings on the motor’s drive-end allow for heavy radial loads normally associated with belt-driven applications. The Quarry Duty motor series exceeds NEMA MG1 Part 31 requirements and is designed for horizontal or vertical, indoor and outdoor applications.

XT

Product Scope

Horsepower:	75 to 600 HP
Speed:	1800, 1200, or 900 RPM
Volt:	230/460, 460, or 575 V
Enclosure:	Totally Enclosed Fan Cooled
Frame Size:	365T through 5810UZ
Construction:	Cast Iron
Vibration (Unfiltered):	Typically 0.10 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
75	1800	230/460	365T	814	C0754FLF3UMQ	176/88	91.7	10	MXTFCQ	\$6,946
75	1800	575	365T	814	C0754FLF3OMQ	70	91.7	10	MXTFCQ	\$6,946
75	1200	230/460	405T	1245	C0756FLF3UMQ	190/95	93.0	10	MXTFCQ	\$9,275
75	1200	575	405T	1245	C0756FLF3OMQ	76	93.0	10	MXTFCQ	\$9,275
100	1800	230/460	405T	1267	C1004FLF3USQ	244/122	93.0	10	MXTFCQ	\$8,775
100	1800	575	405T	1267	C1004FLF3OSQ	92	93.0	10	MXTFCQ	\$8,775
100	1200	230/460	444T	1714	C1006FLF4UMQ	248/124	93.0	2, 10	MXTFCQ	\$12,749
100	1200	575	444T	1714	C1006FLF4OMQ	99.2	93.0	2, 10	MXTFCQ	\$12,749
125	1800	230/460	444T	1746	C1254FLF4UMQ	300/150	92.4	2, 10	MXTFCQ	\$12,396
125	1800	575	444T	1746	C1254FLF4OMQ	120	92.4	2, 10	MXTFCQ	\$12,396
125	1200	230/460	445T	1888	C1256FLF4UMQ	304/152	93.6	2, 10	MXTFCQ	\$13,751
125	1200	575	445T	1888	C1256FLF4OMQ	121.6	93.6	2, 10	MXTFCQ	\$13,751
125	900	460	505UZ		C1258FLF4BMQ			2	MXTFCQ	\$18,891
125	900	575	505UZ		C1258FLF4OMQ			2, 6	MXTFCQ	\$18,891
150	1800	230/460	445T	1872	C1504FLF4UMQ	356/178	93.0	2, 10	MXTFCQ	\$13,917
150	1800	575	445T	1872	C1504FLF4OMQ	142	93.0	2, 10	MXTFCQ	\$13,917
150	1200	460	447T	2092	C1506FLF4BMQ	178	93.0	2, 10	MXTFCQ	\$15,791
150	1200	575	447T	2092	C1506FLF4OMQ	143	93.0	2, 10	MXTFCQ	\$15,791
150	1200	460	447TZ	2092	C1506FLF4BMQZ	178	93.0	2, 10	MXTFCQ	\$15,791
150	1200	575	447TZ	2092	C1506FLF4OMQZ	142.4	93.0	2, 10	MXTFCQ	\$15,791
150	900	460	505UZ		A1508FLF4BMQ			2, 6	MXTFCQ	\$29,019
150	900	575	505UZ		A1508FLF4OMQ			2, 6	MXTFCQ	\$29,019
200	1800	460	447T	2182	C2004FLF4BMQ	237	93.6	2, 10	MXTFCQ	\$16,745
200	1800	575	447T	2182	C2004FLF4OMQ	190	93.6	2, 10	MXTFCQ	\$16,745
200	1800	460	447TZ	2182	C2004FLF4BMQZ	237	93.6	2, 10	MXTFCQ	\$16,745

Totally Enclosed Fan Cooled Quarry Duty High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
200	1800	575	447TZ	2182	C2004FLF4OMQZ	190	93.6	2, 10	MXTFCQ	\$16,745
200	1200	460	505UZ	3030	C2006FLF4BMQ	236	93.6	2, 10	MXTFCQ	\$20,676
200	1200	575	505UZ	3030	C2006FLF4OMQ	189	93.6	2, 10	MXTFCQ	\$20,676
200	900	460	N587UZQ		C2008FLF4BMQ	262	94.5	2	MXTFCQ	\$36,019
200	900	575	N587UZQ		C2008FLF4OMQ	210	94.5	2	MXTFCQ	\$36,019
250	1800	460	505UZ	2765	A2504FLF4BMQ	288	94.1	2	MXTFCQ	\$24,888
250	1800	575	505UZ	2765	AB2504FLF4OMQ	231	94.1	2	MXTFCQ	\$24,888
250	1200	460	N587UZQ	3744	A2506FLF4BMQ	296	94.5	2	MXTFCQ	\$31,908
250	1200	575	N587UZQ	3744	A2506FLF4OMQ	237	94.5	2	MXTFCQ	\$31,908
250	900	460	N587UZQ	4160	A2508FLF4BMQ01	321	95.0	2	MXTFCQ	\$39,931
250	900	575	N587UZQ	4160	A2508FLF4OMQ	260	95.0	2	MXTFCQ	\$39,931
300	1800	460	N587UZQ	3781	A3004FLF4BMQ	350	94.1	2	MXTFCQ	\$29,761
300	1800	575	N587UZQ	3781	A3004FLF4OMQ	280	94.1	2	MXTFCQ	\$29,761
300	1200	460	N587UZQ	3967	A3006FLF4BMQ	354	94.5	2	MXTFCQ	\$36,633
300	1200	575	N587UZQ	3967	A3006FLF4OMQ	284	94.3	2	MXTFCQ	\$36,633
300	900	460	5810UZ		F3008FLF4BMQ			2	MXTFCQ	\$49,235
300	900	575	5810UZ		F3008FLF4OMQ			2	MXTFCQ	\$49,235
350	1800	460	N587UZQ	3909	A3504FLF4BMQ	408	94.1	2	MXTFCQ	\$32,127
350	1800	575	N587UZQ	3909	A3504FLF4OMQ	327	94.1	2	MXTFCQ	\$32,127
350	1200	460	5010UZ	4740	A3506FLF4BMQ	451	94.5	2, 6	MXTFCQ	\$39,412
350	1200	575	5010UZ	4740	A3506FLF4OMQ	361	94.5	2, 6	MXTFCQ	\$39,412
350	900	460	5810UZ		F3508FLF4BMQ			2	MXTFCQ	\$53,838
350	900	575	5810UZ		F3508FLF4OMQ			2	MXTFCQ	\$53,838
400	1800	460	N587UZQ	3909	A4004FLF4BMQ	470	94.5	2, 6	MXTFCQ	\$37,588
400	1800	575	N587UZQ	3909	A4004FLF4OMQ	376	94.5	2, 6	MXTFCQ	\$37,588
400	1200	460	5010UZ	4905	F4006FLF4BMQ	485	95.4	2	MXTFCQ	\$45,593
400	1200	575	5010UZ	4905	F4006FLF4OMQ	388	95.4	2	MXTFCQ	\$45,593
400	900	460	5810UZ		F4008FLF4BMQ	560	95.4	2	MXTFCQ	\$63,203
400	900	575	5810UZ		F4008FLF4OMQ	450	95.4	2	MXTFCQ	\$63,203
450	1800	460	5010UZ	4870	A4504FLF4BMQ	509	95.4	2	MXTFCQ	\$44,196
450	1800	575	5010UZ	4870	A4504FLF4OMQ	408	95.4	2	MXTFCQ	\$44,196
450	1200	460	5810UZ		F4506FLF4BMQ	589	95.4	2	MXTFCQ	\$52,081
450	1200	575	5810UZ		F4506FLF4OMQ	475	95.4	2	MXTFCQ	\$52,081
450	900	460	5810UZ	6083	F4508FLF4BMQ	617	95.4	2	MXTFCQ	\$67,860
450	900	575	5810UZ	6083	F4508FLF4OMQ	500	95.4	2	MXTFCQ	\$67,860
500	1800	460	5010UZ	4675	A5004FLF4BMQ			2	MXTFCQ	\$47,136
500	1800	575	5010UZ	4675	A5004FLF4OMQ			2	MXTFCQ	\$47,136
500	1200	460	5810UZ	6083	F5006FLF4BMQ	645	95.4	2	MXTFCQ	\$65,892
500	1200	575	5810UZ	6083	F5006FLF4OMQ	516	95.4	2	MXTFCQ	\$65,892
600	1800	460	5810UZ	7700	F6004FLF4BMQ			2	MXTFCQ	\$52,713
600	1800	575	5810UZ	7700	F6004FLF4OMQ			2	MXTFCQ	\$52,713
600	1200	460	5810UZ		F6006FLF4BMQ			2	MXTFCQ	\$79,071
600	1200	575	5810UZ		F6006FLF4OMQ			2	MXTFCQ	\$79,071

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Definite Purpose XT Series

XT

Totally Enclosed Fan Cooled Vector Ready Motors

Toshiba's definite purpose XT, totally enclosed fan cooled, premium efficiency, Vector Ready motor series is designed for the extreme operational requirements of today's variable speed applications. This product line was built using the cornerstone of the Toshiba motor product offering, the EQPIII, as a base. It is built to survive in the most demanding environments requiring tight vector control such as material handling, conveyor, and machine tool as well as many other process-oriented applications. The Vector Ready motor series is specifically designed for indoor and outdoor inverter operation and is not intended for conventional across-the-line operation. This product exceeds the requirements of NEMA MG1 Part 31 Definite Purpose (inverter duty).

3 Year Warranty

Standard Features:

- Totally Enclosed Fan Cooled
- Cast Iron Frame
- Premium Efficiency
- Class F Insulation
- Three-Phase
- 60 Hz
- 1.0 Service Factor
- NEMA Design A
- Inverter Duty- Exceeds Insulation Requirements of NEMA MG1 Part 31 Definite Purpose
- 143T through 256T TEFC or TENV
- 284T through N449T TEFC or TEBC
- Double Shaft Extensions for Encoder Mounting
 - 5/8" for 143T through 256T
 - 1" for 284T through N449T
- Double C-Face TENV 143T through 256T
- Normally-Closed Thermostats (155°C)
- C-Face Footed & Footless Available
- Constant HP
 - 60 to 120 Hz (143T through 256T)
 - 60 to 90 Hz (for 284T through N449T)
- Constant Torque 2000:1 for TEBC, TEFC, & TENV (Vector Control Mode)
- Constant Torque 20:1 for TEFC & TENV (V/f Mode Only)
- Equivalent Circuit Data on Nameplate
- Rotor Inertia (Wk²) on Nameplate
- Large Variety of Encoder Options

Applications:

- Material Handling
- Metal Processing
- Plastic Extrusion
- Textile Processing
- Test Stands
- Winders & Slitters
- Presses
- Pumps

Warranty:

- From Date of Shipment:
36 Months



Totally Enclosed Fan Cooled Vector Ready Premium Efficiency



Toshiba's definite purpose XT, totally enclosed fan cooled, premium efficiency, Vector Ready motor series is designed for the extreme operational requirements of today's variable speed applications. This product line was built using the cornerstone of the Toshiba motor product offering, the EQPIII, as a base. It is built to survive in the most demanding environments requiring tight vector control such as material handling, conveyor, and machine tool as well as many other process-oriented applications. The Vector Ready motor series is specifically designed for indoor and outdoor inverter operation and is not intended for conventional across-the-line operation. This product exceeds the requirements of NEMA MG1 Part 31 Definite Purpose (inverter duty).

XT

Product Scope

Horsepower:	1 to 350 HP
Speed:	1800 or 1200 RPM
Voltage:	460 or 575 V
Enclosure:	Totally Enclosed Fan Cooled, Totally Enclosed Non-Ventilated & Totally Enclosed Blower Cooled
Frame Size:	143T through N449T
Construction:	Cast Iron
Vibration	Typically 0.08 Inches/Second or Less
Insulation:	Class F, Exceeds NEMA MG1 Part 31 Definite Purpose (Inverter Duty)

HP	Speed (RPM)	Volts	Enclosure	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1	1800	460	TENV	143TC	58	0014FNFB32A	1.5	84.0	6, 8	MXTVRR	\$1,433
1.5	1800	460	TENV	143TC	61	Y154FNFB32A	2.0	85.5	6, 8	MXTVRR	\$1,440
2	1800	460	TENV	145TC	62	0024FNFB32A	2.7	88.5	6, 8	MXTVRR	\$1,552
3	1800	460	TENV	182TC	94	0034FNFB32A	4.1	86.5	6, 8	MXTVRR	\$1,950
5	1800	460	TENV	184TC	106	0054FNFB32A	6.5	87.5	6, 8	MXTVRR	\$2,073
7.5	1800	460	TEFC	213TC	179	Y754FCFB32A	9.5	90.2	6	MXTVRR	\$2,428
7.5	1800	460	TENV	213TC	179	Y754FNFB32A	9.5	89.5	6, 8	MXTVRR	\$2,795
10	1800	460	TEFC	215TC	201	0104FCFB32A	12.5	90.2	6	MXTVRR	\$2,900
10	1800	460	TENV	215TC	201	0104FNFB32A	12.5	90.2	6, 8	MXTVRR	\$3,316
15	1800	460	TEFC	254TC	310	0154FCFB32A	18.0	92.4	6	MXTVRR	\$3,493
15	1800	460	TENV	254TC	310	0154FNFB32A	18.0	91.0	6, 8	MXTVRR	\$3,970
15	1200	460	TEBC	284TC	380	0156BCFB32A	19.5	91.7	6	MXTVRR	\$7,229
20	1800	460	TEFC	256TC	340	0204FCFB32A	24.0	92.4	6	MXTVRR	\$3,865
20	1200	460	TEBC	286TC	490	0206BCFB32A	25.0	91.0	6	MXTVRR	\$10,066
25	1800	460	TEFC	284T	443	0254FCFB31A	30.0	93.6	6	MXTVRR	\$4,827
25	1800	460	TEBC	284TC	443	0254BCFB32A	30.0	93.6	6	MXTVRR	\$6,746
25	1200	460	TEBC	324TC		0256BCFB32A	31.5	93.0	6	MXTVRR	\$11,766
30	1800	460	TEFC	286T	475	0304FCFB31A	35.5	92.4	6	MXTVRR	\$5,519
30	1800	460	TEBC	286TC	475	0304BCFB32A	33.5	92.4	6	MXTVRR	\$7,437
30	1200	460	TEBC	326TC		0306BCFB32A	37.5	93.0	6	MXTVRR	\$12,943

Totally Enclosed

Fan Cooled

Vector Ready

Premium Efficiency



HP	Speed (RPM)	Volts	Enclosure	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
40	1800	460	TEFC	324T		0404FCFB31A	47.0	94.1	6	MXTVRR	\$7,100
40	1800	460	TEBC	324TC		0404BCFB32A	47.0	94.1	6	MXTVRR	\$8,855
40	1200	460	TEBC	364TC		0406BCFB32A	48.0	93.6	6	MXTVRR	\$15,614
50	1800	460	TEFC	326T		0504FCFB31A	60.0	93.6	6	MXTVRR	\$8,785
50	1800	460	TEBC	326TC		0504BCFB32A	59.5	93.6	6	MXTVRR	\$10,150
50	1200	460	TEBC	365TC		0506BCFB32A	61.0	93.0	6	MXTVRR	\$18,718
60	1800	460	TEFC	364T		0604FCFB31A	71.0	94.5	6	MXTVRR	\$11,322
60	1800	460	TEBC	364TC		0604BCFB32A	71.0	94.5	6	MXTVRR	\$12,425
60	1200	460	TEBC	404TC		0606BCFB31A	73.0	95.4	6	MXTVRR	\$20,763
75	1800	460	TEFC	365T		0754FCFB31A	89.0	95.0	6	MXTVRR	\$12,827
75	1800	460	TEBC	365TC		0754BCFB32A	89.0	95.0	6	MXTVRR	\$14,855
75	1200	460	TEBC	405T		0756BCFB31A	91.0	95.4	6	MXTVRR	\$25,298
100	1800	460	TEFC	405T		1004FCFB31A	118.0	95.4	6	MXTVRR	\$17,355
100	1800	460	TEBC	405T		1004BCFB31A	117.0	95.8	6	MXTVRR	\$20,735
100	1200	460	TEBC	444T		1006BCFB31A	123.0	95.8	6	MXTVRR	\$28,765
125	1800	460	TEFC	444T		1254FCFB31A	146.0	95.8	6	MXTVRR	\$22,570
125	1800	460	TEBC	444T		1254BCFB31A	146.0	95.8	6	MXTVRR	\$26,151
150	1800	460	TEFC	445T		1504FCFB31A	176.0	95.8	6	MXTVRR	\$26,099
150	1800	460	TEBC	445T		1504BCFB31A	175.0	96.2	6	MXTVRR	\$29,680
200	1800	460	TEFC	447T		2004FCFB31A	233.0	96.2	6	MXTVRR	\$31,561
200	1800	460	TEBC	447T		2004BCFB31A	232.0	96.2	6	MXTVRR	\$35,142
250	1800	460	TEFC	N449T		2504FCFB31A	274.0	96.2	6	MXTVRR	\$39,379
250	1800	460	TEBC	N449T		2504BCFB31A	271.0	96.5	6	MXTVRR	\$44,086
300	1800	460	TEFC	N449T		3004FCFB31A	328.0	96.2	6	MXTVRR	\$44,876
300	1800	460	TEBC	N449T		3004BCFB31A	325.0	96.5	6	MXTVRR	\$49,584
350	1800	460	TEBC	N449T		3504BCFB31A	380.0	96.5	6	MXTVRR	\$54,291

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

The VR product line is specifically designed for drive-fed applications and is not meant to be used for across-the-line applications. These motors are NEMA Design A.

The motors above offer constant torque from 0 RPM to base speed on vector drives.

On volts per hertz drives, TEFC motors are limited to 20:1 constant torque.

Constant HP operation is available up to two times the base speed on140 through 250 frame motors, and up to one and a half times the base speed on 280 through 440 frame motors.

Definite Purpose XT Series

Totally Enclosed Fan Cooled Toshwash SS Motors

XT

Toshiba's definite purpose XT, totally enclosed fan cooled, premium efficiency, Toshwash SS motor series has been built to meet the extreme demands of the food and pharmaceutical industries. The daily pressure washes and hot cleaning solutions in these industries require motors specifically designed to endure under these conditions. Working with several major users in these industries, Toshiba developed one of the toughest motors available — the Toshwash SS, a washdown duty motor. This specially designed motor approaches five times the normal life cycle of other commercial washdown duty motors and offers the widest variety of TENV frame sizes available for food, pharmaceutical, and other applications requiring frequent washdowns. This motor series exceeds NEMA MG1 Part 31 requirements and is suitable for indoor and outdoor applications.

3 Year Warranty

Standard Features:

- Totally Enclosed Fan Cooled & Totally Enclosed Non-Ventilated
- Premium Efficiency
- Three-Phase
- 60 Hz
- 1.15 Service Factor
- Class F Insulation
- Multiple Dips & Bakes for Moisture Protection
- Inverter Duty; Exceeds Insulation Requirements of NEMA MG1 Part 31
- All Stainless Steel Frame
- Stainless Steel Bearing Brackets
- Stainless Steel Fan Covers
- Stainless Steel Shaft
- Ground & Polished Shaft Seal Fits
- High Strength Double-Lip Teflon Shaft Seals
- O-Ring Seals Between the Frame & Bearing Brackets
- Double O-Ring Sealed Conduit Box
- Neoprene Lead Separator Between the Frame & Conduit Box
- Laser Engraved Nameplate to Prevent Contamination
- Removable Drain Plugs Every 90° for Universal Mounting
- C-Face Footed & Footless

Applications:

- Food Industry
- Meat Processing & Packing
- Dairy Industry
- Pharmaceutical
- Beverage & Bottling
- Canneries
- Pumps
- Blowers
- Conveyors
- Gear Reducers

Warranty:

- From Date of Shipment: 36 Months



Totally Enclosed

Fan Cooled

Toshwash SS

C-Face Footed

Premium Efficiency



Toshiba’s definite purpose XT, totally enclosed fan cooled, premium efficiency, Toshwash SS C-Face Footed motor series has been built to meet the extreme demands of the food and pharmaceutical industries. The daily pressure washes and hot cleaning solutions in these industries require motors specifically designed to endure remove under these conditions. Working with several major users in these industries, Toshiba developed one of the toughest motors available — the Toshwash SS, a washdown duty motor. This specially designed motor approaches five times the normal life cycle of other commercial washdown duty motors and offers the widest variety of TENV frame sizes available for food, pharmaceutical, and other applications requiring frequent washdowns. This motor series exceeds NEMA MG1 Part 31 requirements and is suitable for indoor and outdoor applications.



Product Scope

- Horsepower:

1/2 to 5 HP
- Speed:

1800 or 1200 RPM
- Voltage:

230/460, 460, or 575 V
- Enclosure:

Totally Enclosed Fan Cooled or
Totally Enclosed Non-Ventilated
- Frame Size:

56C through 184TC
- Construction:

Stainless Steel
- Vibration (Unfiltered):

Typically 0.08 Inches/Second or Less
- Insulation:

Class F, Exceeds NEMA MG1 Part 31
(Inverter Duty)
- Mounting:

C-Face Footed

HP	Speed (RPM)	Volts	Enclo- sure	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
0.5	1800	460	TENV	56C	54	1/24FNWB32H	1.7/1.85	81.5	8	MXTFCT	\$2,284
0.5	1800	575	TENV	56C	54	1/24FNWC32H	0.7	81.5	8	MXTFCT	\$2,284
0.5	1200	460	TENV	56C	60	1/26FNWB32H	1.8/0.9	80.0	8	MXTFCT	\$2,605
0.5	1200	575	TENV	56C	60	1/26FNWC32H			8	MXTFCT	\$2,605
0.75	1800	460	TENV	56C	60	3/44FNWB32H	2.2/1.1	82.5	8	MXTFCT	\$2,391
0.75	1800	575	TENV	56C	60	3/44FNWC32H	0.9	82.5	8	MXTFCT	\$2,391
0.75	1200	460	TENV	56C	62	3/46FNWB32H	3/1.5	82.5	8	MXTFCT	\$2,728
0.75	1200	575	TENV	56C	62	3/46FNWC32H			8	MXTFCT	\$2,728
1	1800	460	TENV	56C	63	0014FNWB32H	3.0/1.5	84.0	8	MXTFCT	\$3,012
1	1800	575	TENV	56C	63	0014FNWC32H	1.2	84.0	8	MXTFCT	\$3,012
1	1800	460	TENV	143TC	63	0014FNWB32A	3.0/1.5	84.0	8	MXTFCT	\$3,012
1	1800	575	TENV	143TC	63	0014FNWC32A	1.2	84.0	8	MXTFCT	\$3,012
1	1200	460	TENV	56C	70	0016FNWB32H			8	MXTFCT	\$3,555
1	1200	575	TENV	56C	70	0016FNWC32H			8	MXTFCT	\$3,555
1	1200	460	TENV	145TC	70	0016FNWB32A	3.6/1.8	82.5	8	MXTFCT	\$3,555
1	1200	575	TENV	145TC	70	0016FNWC32A			8	MXTFCT	\$3,555

Totally Enclosed Fan Cooled Toshash SS C-Face Footed Premium Efficiency



HP	Speed (RPM)	Volts	Enclo- sure	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1.5	1800	460	TEFC	56C	64	Y154FCWB32H	4.4/2.2	84.0		MXTFCT	\$3,428
1.5	1800	575	TEFC	56C	64	Y154FCWC32H	1.8	84.0		MXTFCT	\$3,428
1.5	1800	460	TEFC	145TC	64	Y154FCWB32A	4.4/2.2	84.0		MXTFCT	\$3,428
1.5	1800	575	TEFC	145TC	64	Y154FCWC32A	1.8	8.40		MXTFCT	\$3,428
2	1800	460	TEFC	56C	65	0024FCWB32H	5.6/2.8	84.0		MXTFCT	\$3,894
2	1800	575	TEFC	56C	65	0024FCWC32H	2.3	84.0		MXTFCT	\$3,894
2	1800	460	TEFC	145TC	65	0024FCWB32A	5.6/2.8	84.0		MXTFCT	\$3,894
2	1800	575	TEFC	145TC	65	0024FCWC32A	2.3	84.0		MXTFCT	\$3,894
3	1800	460	TEFC	182TC	108	0034FCWB32A	8.0/4.0	87.5		MXTFCT	\$4,933
3	1800	575	TEFC	182TC	108	0034FCWC32A	3.5	87.5		MXTFCT	\$4,933
3	1800	460	TENV	182TC	108	0034FNWB32A	8.0/4.0	87.5		MXTFCT	\$4,933
3	1800	575	TENV	182TC	108	0034FNWC32A	3.5	87.5		MXTFCT	\$4,933
5	1800	460	TEFC	184TC	108	0054FCWB32A	12.8/6.4	87.5		MXTFCT	\$5,296
5	1800	575	TEFC	184TC	108	0054FCWC32A	5.1	87.5		MXTFCT	\$5,296

The weights listed above are estimated.
Please contact Toshiba for information on product availability.

Totally Enclosed

Fan Cooled

Toshwash SS

C-Face Footless

Premium Efficiency



Toshiba’s definite purpose XT, totally enclosed fan cooled, premium efficiency, Toshwash SS C-Face Footless motor series has been built to meet the extreme demands of the food and pharmaceutical industries. The daily pressure washes and hot cleaning solutions in these industries require motors specifically designed to endure remove under these conditions. Working with several major users in these industries, Toshiba developed one of the toughest motors available — the Toshwash SS, a washdown duty motor. This specially designed motor approaches five times the normal life cycle of other commercial washdown duty motors and offers the widest variety of TENV frame sizes available for food, pharmaceutical, and other applications requiring frequent washdowns. This motor series exceeds NEMA MG1 Part 31 requirements and is suitable for indoor and outdoor applications.



Product Scope

- Horsepower:

1/2 to 5 HP
- Speed:

1800 or 1200 RPM
- Voltage:

230/460, 460, or 575 V
- Enclosure:

Totally Enclosed Fan Cooled or
Totally Enclosed Non-Ventilated
- Frame Size:

56C through 184TC
- Construction:

Stainless Steel
- Vibration (Unfiltered):

Typically 0.08 Inches/Second or Less
- Insulation:

Class F, Exceeds NEMA MG1 Part 31
(Inverter Duty)
- Mounting:

C-Face Footless

HP	Speed (RPM)	Volts	Enclo- sure	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Symbol	New List
0.5	1800	460	TENV	56C	54	1/24FNWB34H	1.7/0.85	81.5	8	MXTFCT	\$2,272
0.5	1800	575	TENV	56C	54	1/24FNWC34H	0.7	81.5	8	MXTFCT	\$2,272
0.5	1200	460	TENV	56C	58	1/26FNWB34H	1.8/0.9	80.0	8	MXTFCT	\$2,592
0.5	1200	575	TENV	56C	58	1/26FNWC34H	0.7	80.0	8	MXTFCT	\$2,592
0.75	1800	460	TENV	56C	60	3/44FNWB34H	2.2/1.1	82.5	8	MXTFCT	\$2,380
0.75	1800	575	TENV	56C	60	3/44FNWC34H	0.9	82.5	8	MXTFCT	\$2,380
0.75	1200	460	TENV	56C	62	3/46FNWB34H	3/1.5	82.5	8	MXTFCT	\$2,712
0.75	1200	575	TENV	56C	62	3/46FNWC34H	1.2	82.5	8	MXTFCT	\$2,712
1	1800	460	TENV	56C	60	0014FNWB34H	3/1.5	84.0	8	MXTFCT	\$3,001
1	1800	575	TENV	56C	60	0014FNWC34H	1.2	84.0	8	MXTFCT	\$3,001
1	1800	460	TENV	143TC	63	0014FNWB34A	3/1.5	84.0	8	MXTFCT	\$3,001
1	1800	575	TENV	143TC	63	0014FNWC34A	1.2	84.0	8	MXTFCT	\$3,001
1	1200	460	TENV	56C	80	0016FNWB34H	3.6/1.8	82.5	8	MXTFCT	\$3,541
1	1200	575	TENV	56C	80	0016FNWC34H	1.4	82.5	8	MXTFCT	\$3,541
1	1200	460	TENV	145TC	80	0016FNWB34A	3.6/1.8	82.5	8	MXTFCT	\$3,541
1	1200	575	TENV	145TC	80	0016FNWC34A	1.4	82.5	8	MXTFCT	\$3,541

Totally Enclosed Fan Cooled Toswash SS C-Face Footless Premium Efficiency



XT

HP	Speed (RPM)	Volts	Enclosure	Frame	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Symbol	New List
1.5	1800	460	TEFC	56C	64	Y154FCWB34H	4.4/2.2	84.0		MXTFCT	\$3,416
1.5	1800	575	TEFC	56C	64	Y154FCWC34H	1.8	84.0		MXTFCT	\$3,416
1.5	1800	460	TEFC	145TC	64	Y154FCWB34A	4.4/2.2	84.0		MXTFCT	\$3,416
1.5	1800	575	TEFC	145TC	64	Y154FCWC34A	1.8	84.0		MXTFCT	\$3,416
1.5	1800	460	TENV	145TC	65	Y154FNWB34K	4.4/2.2	84.0	8	MXTFCT	\$3,416
1.5	1800	575	TENV	145TC	65	Y154FNWC34K	1.8	84.0	8	MXTFCT	\$3,416
1.5	1200	460	TEFC	56C	100	Y156FCWB34H	5.6/2.8	80.0		MXTFCT	\$4,031
1.5	1200	575	TEFC	56C	100	Y156FCWC34H	2.2	80.0		MXTFCT	\$4,031
1.5	1200	460	TEFC	145TC	100	Y156FCWB34A	5.6/2.8	80.0		MXTFCT	\$4,031
1.5	1200	575	TEFC	145TC	100	Y156FCWC34A	2.2	80.0		MXTFCT	\$4,031
2	1800	460	TEFC	56C	65	0024FCWB34H	5.6/2.8	84.0		MXTFCT	\$3,882
2	1800	575	TEFC	56C	65	0024FCWC34H	2.3	84.0		MXTFCT	\$3,882
2	1800	460	TEFC	145TC	65	0024FCWB34A	5.6/2.8	84.0		MXTFCT	\$3,882
2	1800	575	TEFC	145TC	65	0024FCWC34A	2.3	84.0		MXTFCT	\$3,882
2	1800	460	TENV	145TC	108	0024FNWB34K	5.6/2.8	84.0	8	MXTFCT	\$3,882
2	1800	575	TENV	145TC	108	0024FNWC34K	2.3	84.0	8	MXTFCT	\$3,882
3	1800	460	TEFC	182TC	108	0034FCWB34A	8.0/4.0	87.5		MXTFCT	\$4,921
3	1800	575	TEFC	182TC	108	0034FCWC34A	3.5	87.5		MXTFCT	\$4,921
3	1800	460	TENV	182TC	108	0034FNWB34A	8.0/4.0	87.5	8	MXTFCT	\$4,921
3	1800	575	TENV	182TC	108	0034FNWC34A	3.5	87.5	8	MXTFCT	\$4,921
5	1800	460	TEFC	184TC	108	0054FCWB34A	12.8/6.4	87.5		MXTFCT	\$5,285
5	1800	575	TEFC	184TC	108	0054FCWC34A	5.1	87.5		MXTFCT	\$5,285

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

LV General Purpose CT

LV General Purpose XT

EQP Global

LV Definite Purpose CT

LV Definite Purpose XT

MV General Purpose XT

Stock Modifications

Production Modifications

Spare Parts

Model No. Index

Appendices

Definite Purpose XT Series

XT

Totally Enclosed Fan Cooled Vertical P-Base Footless Motors

Toshiba's definite purpose XT, totally enclosed fan cooled, Vertical P-Base Footless motors are designed with the petrochemical and material processing industries in mind. These motors are built to withstand the toughest conditions and offers some of the highest efficiency and torque ratings —leading to a longer life and greater reliability. In addition, our LP design meets API 610 specifications for chemical processing applications and all motors include a patent-pending lubrication system that provides improved flow and circulation of grease and oil for longer bearing life. The Vertical P-Base motor can be used in indoor and outdoor applications, exceeds NEMA MG1 Part 31 requirements, and is available in normal and medium thrust as well as high and premium efficiencies.

3 Year Warranty

Standard Features:

- Totally Enclosed Fan Cooled
- IP54 Mill & Chemical Duty
- High & NEMA Premium® Efficiency
- 460 & 575 V
- 1.15 Service Factor
- Three-Phase
- 60 Hz
- Class F Insulation
- Inverter Duty; Exceeds Insulation Requirements of NEMA MG1 Part 31
- NEMA Design B
- All Cast Iron
- HP (Normal Thrust)
- LP (Medium Thrust)
- Positive Displacement Grease Lubrication System
- Labyrinth Seal on Top Bracket
- Base Brackets in Various Diameters
- Labyrinth-Seal Option for Drive End
- 520 to 1750 lbs. Down Thrust (Minimum L-10 at 17,500 Hours)
- Standard Grease Lubrication (Field-Modifiable for Oil-Mist Lubrication)

Applications:

- Booster Pumps
- Centrifugal Pumps
- Non-Clog pumps
- In-Line Pumps
- Vertical Turbine Pumps

Warranty:

High Efficiency

- From Date of Manufacturing: 18 Months
- From Date of Installation: 12 Months

Premium Efficiency

- From Date of Shipment: 36 Months



Totally Enclosed Fan Cooled Vertical P-Base Footless Normal Thrust Premium Efficiency



XT

HP	Speed (RPM)	Volts	Frame	BD Dimension	Maxium Down Thrust Capacity (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	3600	460	180HP	10"	260	0032FTVB3PW-A				MXTFCV	\$2,825
3	1800	460	180HP	10"	390	0034FTVB3PW-A				MXTFCV	\$2,768
5	3600	460	180HP	10"	310	0052FTVB3PW-A				MXTFCV	\$3,649
5	1800	460	180HP	10"	490	0054FTVB3PW-A				MXTFCV	\$3,576
7.5	3600	460	210HP	10"	310	Y752FTVB3PW-A				MXTFCV	\$3,939
7.5	1800	460	210HP	10"	560	Y754FTVB3PW-A				MXTFCV	\$3,861
10	3600	460	210HP	10"	380	0102FTVB3PW-A				MXTFCV	\$4,297
10	1800	460	210HP	10"	640	0104FTVB3PW-A				MXTFCV	\$4,214
15	3600	460	250HP10	10"	760	0152FTVB3PW-A	17.0	91.7		MXTFCV	\$5,329
15	1800	460	250HP10	10"	1050	0154FTVB3PW-A	18.5	92.4		MXTFCV	\$5,523
15	1200	460	280HP10	10"	1200	0156FTVB3PW-A				MXTFCV	\$7,105
20	3600	460	250HP10	10"	750	0202FTVB3PW-A	22.0	92.4		MXTFCV	\$5,831
20	1800	460	250HP10	10"	1040	0204FTVB3PW-A	25.0	93.0		MXTFCV	\$6,297
20	1200	460	280HP10	10"	1200	0206FTVB3PW-A				MXTFCV	\$8,636
25	3600	460	280HP10	10"	740	0252FTVB3PW-A	28.0	92.4		MXTFCV	\$5,925
25	1800	460	280HP10	10"	1050	0254FTVB3PW-A	29.0	93.6		MXTFCV	\$6,749
25	1200	460	320HP16	16.5"	1335	0256FTVB3RW-A				MXTFCV	\$10,086
30	3600	460	280HP10	10"	730	0302FTVB3PW-A	33.0	92.4		MXTFCV	\$6,537
30	1800	460	280HP10	10"	1050	0304FTVB3PW-A	35.0	93.6		MXTFCV	\$7,594
30	1200	460	320HP16	16.5"	1335	0306FTVB3RW-A				MXTFCV	\$11,536
40	3600	460	320HP16	16.5"	850	0402FTVB3RW-A	46.0	93.0		MXTFCV	\$8,630
40	1800	460	320HP16	16.5"	1170	0404FTVB3RW-A	47.0	94.1		MXTFCV	\$9,046
40	1200	460	360HP16	16.5"	1335	0406FTVB3RW-A				MXTFCV	\$14,503
50	3600	460	320HP16	16.5"	830	0502FTVB3RW-A	57.0	93.0		MXTFCV	\$9,948
50	1800	460	320HP16	16.5"	1150	0504FTVB3RW-A	60.0	94.5		MXTFCV	\$10,726
50	1200	460	360HP16	16.5"	1335	0506FTVB3RW-A				MXTFCV	\$17,099
60	3600	460	360HP16	16.5"	940	0602FTVB3RW-A	70.0	93.6		MXTFCV	\$12,210
60	1800	460	360HP16	16.5"	1290	0604FTVB3RW-A	71.0	95.0		MXTFCV	\$12,742
60	1200	460	400HP16	16.5"	1690	0606FTVB3RW-A	74.0	95.0		MXTFCV	\$19,839
75	3600	460	360HP16	16.5"	930	0752FTVB3RW-A	87.0	93.6		MXTFCV	\$14,524
75	1800	460	360HP16	16.5"	1270	0754FTVB3RW-A	89.0	95.4		MXTFCV	\$14,784
75	1200	460	400HP16	16.5"	1640	0756FTVB3RW-A	91.0	95.0		MXTFCV	\$23,331
100	3600	460	400HP16	16.5"	990	1002FTVB3RW-A	114.0	95.0		MXTFCV	\$20,918
100	1800	460	400HP16	16.5"	1370	1004FTVB3RW-A	119.0	95.4		MXTFCV	\$19,918
100	1200	460	440HP16	16.5"	1780	1006FTVB3RW-A	123.0	95.4		MXTFCV	\$29,805
125	3600	460	440HP16	16.5"	1030	1251FTVB3RW-A	140.0	95.4	5	MXTFCV	\$30,353
125	1800	460	440HP16	16.5"	1480	1254FTVB3RW-A	145.0	95.8		MXTFCV	\$24,776
125	1200	460	440HP16	16.5"	1740	1256FTVB3RW-A	156.0	95.4		MXTFCV	\$36,031
150	3600	460	440HP16	16.5"	1000	1501FTVB3RW-A	169.0	95.8	5	MXTFCV	\$36,919
150	1800	460	440HP16	16.5"	1430	1504FTVB3RW-A	177.0	95.8		MXTFCV	\$30,260
150	1200	460	440HP16	16.5"	1670	1506FTVB3RW-A	182.0	95.8		MXTFCV	\$44,770
200	3600	460	440HP16	16.5"	940	2001FTVB3RW-A	225.0	95.8	5	MXTFCV	\$45,062
200	1800	460	440HP16	16.5"	1350	2004FTVB3RW-A	233.0	96.2		MXTFCV	\$42,290
200	1200	460	N449HP20	20"	1710	2006FTVB3SW-A				MXTFCV	\$60,764

Totally Enclosed Fan Cooled
Vertical P-Base Footless
Normal Thrust
Premium Efficiency



HP	Speed (RPM)	Volts	Frame	BD Dimension	Maxium Down Thrust Capacity (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
250	3600	460	N449HP20	20"	860	2501FTVB3SW-A			5	MXTFCV	\$58,231
250	1800	460	N449HP20	20"	1360	2504FTVB3SW-A				MXTFCV	\$50,636
250	1200	460	N449HP20	20"	1610	2506FTVB3SW-A	295.0	96.2		MXTFCV	\$75,954
300	3600	460	N449HP20	20"	820	3001FTVB3SW-A	328.0	95.8	5	MXTFCV	\$69,877
300	1800	460	N449HP20	20"	1340	3004FTVB3SW-A	330.0	96.2		MXTFCV	\$60,764
300	1200	460	N449HP20	20"	1570	3006FTVB3SW-A	354.0	96.2		MXTFCV	\$91,146
350	3600	460	N449HP20	20"	820	3501FTVB3SW-A	382.0	95.8	5	MXTFCV	\$81,526
350	1800	460	N449HP20	20"	1340	3504FTVB3SW-A	380.0	96.2		MXTFCV	\$70,890
350	1200	460	N449HP20	20"	1490	3506FTVB3SW-A	414.0	96.2		MXTFCV	\$106,336
400	3600	460	N449HP20	20"	820	4001FTVB3SW-A			5	MXTFCV	\$93,172
400	1800	460	N449HP20	20"	1340	4004FTVB3SW-A				MXTFCV	\$81,018

In addition to the dimensions listed, alternate P-flange BD dimensions are available. Please contact Toshiba for additional information.

Please contact Toshiba for information on product availability.

Totally Enclosed Fan Cooled Vertical P-Base Footless Medium Thrust High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	BD Dimension	Maxium Down Thrust Capacity	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	3600	460	180LP	10"	390	0032FTVB1PX-A				MXTFCV	\$2,246
3	1800	460	180LP	10"	635	0034FTVB1PX-A				MXTFCV	\$2,201
5	3600	460	180LP	10"	500	0052FTVB1PX-A				MXTFCV	\$2,900
5	1800	460	180LP	10"	750	0054FTVB1PX-A				MXTFCV	\$2,842
7.5	3600	460	210LP	10"	580	Y752FTVB1PX-A				MXTFCV	\$3,136
7.5	1800	460	210LP	10"	850	Y754FTVB1PX-A				MXTFCV	\$3,074
10	3600	460	210LP	10"	640	0102FTVB1PX-A				MXTFCV	\$3,414
10	1800	460	210LP	10"	900	0104FTVB1PX-A				MXTFCV	\$3,346
15	3600	460	250LP10	10"	1250	0152FTVB1PX-A				MXTFCV	\$4,263
15	1800	460	250LP10	10"	1580	0154FTVB1PX-A				MXTFCV	\$4,419
15	1200	460	280LP10	10"	2000	0156FTVB1PX-A				MXTFCV	\$5,912
20	3600	460	250LP10	10"	1240	0202FTVB1PX-A				MXTFCV	\$4,665
20	1800	460	250LP10	10"	1560	0204FTVB1PX-A				MXTFCV	\$5,037
20	1200	460	280LP10	10"	2200	0206FTVB1PX-A				MXTFCV	\$7,185
25	3600	460	280LP10	10"	1230	0252FTVB1PX-A				MXTFCV	\$4,930
25	1800	460	280LP10	10"	1570	0254FTVB1PX-A				MXTFCV	\$5,615
25	1200	460	320LP16	16.5"	2290	0256FTVB1RX-A				MXTFCV	\$8,391
30	3600	460	280LP10	10"	1220	0302FTVB1PX-A				MXTFCV	\$5,439
30	1800	460	280LP10	10"	1580	0304FTVB1PX-A				MXTFCV	\$6,318
30	1200	460	320LP16	16.5"	2380	0306FTVB1RX-A				MXTFCV	\$9,598
40	3600	460	320LP16	16.5"	1840	0402FTVB1RX-A				MXTFCV	\$7,180
40	1800	460	320LP16	16.5"	2320	0404FTVB1RX-A				MXTFCV	\$7,526
40	1200	460	360LP16	16.5"	2540	0406FTVB1RX-A				MXTFCV	\$12,569
50	3600	460	320LP16	16.5"	1830	0502FTVB1RX-A				MXTFCV	\$8,277
50	1800	460	320LP16	16.5"	2300	0504FTVB1RX-A				MXTFCV	\$8,924
50	1200	460	360LP16	16.5"	2670	0506FTVB1RX-A				MXTFCV	\$14,819
60	3600	460	360LP16	16.5"	2080	0602FTVB1RX-A				MXTFCV	\$10,582
60	1800	460	360LP16	16.5"	2610	0604FTVB1RX-A				MXTFCV	\$11,043
60	1200	460	400LP16	16.5"	3330	0606FTVB1RX-A				MXTFCV	\$17,194
75	3600	460	360LP16	16.5"	2070	0752FTVB1RX-A				MXTFCV	\$12,587
75	1800	460	360LP16	16.5"	2600	0754FTVB1RX-A				MXTFCV	\$12,812
75	1200	460	400LP16	16.5"	3280	0756FTVB1RX-A				MXTFCV	\$20,220
100	3600	460	400LP16	16.5"	2290	1002FTVB1RX-A				MXTFCV	\$18,129
100	1800	460	400LP16	16.5"	2880	1004FTVB1RX-A				MXTFCV	\$17,262
100	1200	460	440LP16	16.5"	3620	1006FTVB1RX-A				MXTFCV	\$26,435
125	3600	460	440LP16	16.5"	2480	1251FTVB1RX-A			5	MXTFCV	\$26,922
125	1800	460	440LP16	16.5"	3180	1254FTVB1RX-A				MXTFCV	\$21,975
125	1200	460	440LP16	16.5"	3580	1256FTVB1RX-A				MXTFCV	\$31,958
150	3600	460	440LP16	16.5"	2450	1501FTVB1RX-A			5	MXTFCV	\$32,745
150	1800	460	440LP16	16.5"	3130	1504FTVB1RX-A				MXTFCV	\$26,839
150	1200	460	440LP16	16.5"	3510	1506FTVB1RX-A				MXTFCV	\$39,709
200	3600	460	440LP16	16.5"	2390	2001FTVB1RX-A			5	MXTFCV	\$39,968
200	1800	460	440LP16	16.5"	3050	2004FTVB1RX-A				MXTFCV	\$37,509
200	1200	460	N449LP20	20"	3780	2006FTVB1SX-A				MXTFCV	\$53,197

Totally Enclosed Fan Cooled

Vertical P-Base Footless

Medium Thrust

High Efficiency



HP	Speed (RPM)	Volts	Frame	BD Dimension	Maxium Down Thrust Capacity	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
250	3600	460	N449LP20	20"	2490	2501FTVB1SX-A			5	MXTFCV	\$50,852
250	1800	460	N449LP20	20"	3270	2504FTVB1SX-A				MXTFCV	\$44,331
250	1200	460	N449LP20	20"	3680	2506FTVB1SX-A				MXTFCV	\$66,497
300	3600	460	N449LP20	20"	2440	3001FTVB1SX-A			5	MXTFCV	\$60,963
300	1800	460	N449LP20	20"	3250	3004FTVB1SX-A				MXTFCV	\$53,197
300	1200	460	N449LP20	20"	3630	3006FTVB1SX-A				MXTFCV	\$79,797
350	3600	460	N449LP20	20"	2440	3501FTVB1SX-A			5	MXTFCV	\$71,192
350	1800	460	N449LP20	20"	3250	3504FTVB1SX-A				MXTFCV	\$62,066
350	1200	460	N449LP20	20"	3560	3506FTVB1SX-A				MXTFCV	\$93,098
400	3600	460	N449LP20	20"	2440	4001FTVB1SX-A			5	MXTFCV	\$81,362
400	1800	460	N449LP20	20"	3250	4004FTVB1SX-A				MXTFCV	\$70,932

In addition to the dimensions listed, alternate P-flange BD dimensions are available. Please contact Toshiba for additional information.

Please contact Toshiba for information on product availability.

Totally Enclosed Fan Cooled Vertical P-Base Footless Medium Thrust Premium Efficiency



XT

HP	Speed (RPM)	Volts	Frame	BD Dimension	Maxium Down Thrust Capacity (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
3	3600	460	180LP	10"	390	0032FTVB3PX-A				MXTFCV	\$2,995
3	1800	460	180LP	10"	635	0034FTVB3PX-A				MXTFCV	\$2,935
5	3600	460	180LP	10"	500	0052FTVB3PX-A				MXTFCV	\$3,867
5	1800	460	180LP	10"	750	0054FTVB3PX-A				MXTFCV	\$3,790
7.5	3600	460	210LP	10"	580	Y752FTVB3PX-A				MXTFCV	\$4,182
7.5	1800	460	210LP	10"	850	Y754FTVB3PX-A				MXTFCV	\$4,098
10	3600	460	210LP	10"	640	0102FTVB3PX-A				MXTFCV	\$4,552
10	1800	460	210LP	10"	900	0104FTVB3PX-A				MXTFCV	\$4,461
15	3600	460	250LP10	10"	1250	0152FTVB3PX-A	17.0	91.7		MXTFCV	\$5,543
15	1800	460	250LP10	10"	1580	0154FTVB3PX-A	18.5	92.4		MXTFCV	\$5,744
15	1200	460	280LP10	10"	2000	0156FTVB3PX-A				MXTFCV	\$7,390
20	3600	460	250LP10	10"	1240	0202FTVB3PX-A	22.0	92.4		MXTFCV	\$6,064
20	1800	460	250LP10	10"	1560	0204FTVB3PX-A	25.0	93.0		MXTFCV	\$6,549
20	1200	460	280LP10	10"	2200	0206FTVB3PX-A				MXTFCV	\$8,981
25	3600	460	280LP10	10"	1230	0252FTVB3PX-A	28.0	92.4		MXTFCV	\$6,162
25	1800	460	280LP10	10"	1570	0254FTVB3PX-A	29.0	93.6		MXTFCV	\$7,019
25	1200	460	320LP16	16.5"	2290	0256FTVB3RX-A				MXTFCV	\$10,489
30	3600	460	280LP10	10"	1220	0302FTVB3PX-A	33.0	92.4		MXTFCV	\$6,798
30	1800	460	280LP10	10"	1580	0304FTVB3PX-A	35.0	93.6		MXTFCV	\$7,897
30	1200	460	320LP16	16.5"	2380	0306FTVB3RX-A				MXTFCV	\$11,997
40	3600	460	320LP16	16.5"	1840	0402FTVB3RX-A	46.0	93.0		MXTFCV	\$8,975
40	1800	460	320LP16	16.5"	2320	0404FTVB3RX-A	47.0	94.1		MXTFCV	\$9,408
40	1200	460	360LP16	16.5"	2540	0406FTVB3RX-A				MXTFCV	\$15,083
50	3600	460	320LP16	16.5"	1830	0502FTVB3RX-A	57.0	93.0		MXTFCV	\$10,346
50	1800	460	320LP16	16.5"	2300	0504FTVB3RX-A	60.0	94.5		MXTFCV	\$11,155
50	1200	460	360LP16	16.5"	2670	0506FTVB3RX-A				MXTFCV	\$17,783
60	3600	460	360LP16	16.5"	2080	0602FTVB3RX-A	70.0	93.6		MXTFCV	\$12,698
60	1800	460	360LP16	16.5"	2610	0604FTVB3RX-A	71.0	95.0		MXTFCV	\$13,251
60	1200	460	400LP16	16.5"	3330	0606FTVB3RX-A	74.0	95.0		MXTFCV	\$20,633
75	3600	460	360LP16	16.5"	2070	0752FTVB3RX-A	87.0	93.6		MXTFCV	\$15,105
75	1800	460	360LP16	16.5"	2600	0754FTVB3RX-A	89.0	95.4		MXTFCV	\$15,375
75	1200	460	400LP16	16.5"	3280	0756FTVB3RX-A	91.0	95.0		MXTFCV	\$24,264
100	3600	460	400LP16	16.5"	2290	1002FTVB3RX-A	114.0	95.0		MXTFCV	\$21,755
100	1800	460	400LP16	16.5"	2880	1004FTVB3RX-A	119.0	95.4		MXTFCV	\$20,715
100	1200	460	440LP16	16.5"	3620	1006FTVB3RX-A	123.0	95.4		MXTFCV	\$30,401
125	3600	460	440LP16	16.5"	2480	1251FTVB3RX-A	140.0	95.4	5	MXTFCV	\$30,960
125	1800	460	440LP16	16.5"	3180	1254FTVB3RX-A	145.0	95.8		MXTFCV	\$25,271
125	1200	460	440LP16	16.5"	3580	1256FTVB3RX-A	156.0	95.4		MXTFCV	\$36,752
150	3600	460	440LP16	16.5"	2450	1501FTVB3RX-A	169.0	95.8	5	MXTFCV	\$37,657
150	1800	460	440LP16	16.5"	3130	1504FTVB3RX-A	177.0	95.8		MXTFCV	\$30,865
150	1200	460	440LP16	16.5"	3510	1506FTVB3RX-A	182.0	95.8		MXTFCV	\$45,666
200	3600	460	440LP16	16.5"	2390	2001FTVB3RX-A	225.0	95.8	5	MXTFCV	\$45,963
200	1800	460	440LP16	16.5"	3050	2004FTVB3RX-A	233.0	96.2		MXTFCV	\$43,136
200	1200	460	N449LP20	20"	3780	2006FTVB3SX-A				MXTFCV	\$62,586
250	3600	460	N449LP20	20"	2490	2501FTVB3SX-A			5	MXTFCV	\$59,979
250	1800	460	N449LP20	20"	3270	2504FTVB3SX-A				MXTFCV	\$52,156
250	1200	460	N449LP20	20"	3680	2506FTVB3SX-A	295.0	96.2		MXTFCV	\$78,233

Totally Enclosed Fan Cooled
Vertical P-Base Footless
Medium Thrust
Premium Efficiency



HP	Speed (RPM)	Volts	Frame	BD Dimension	Maxium Down Thrust Capacity (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
300	3600	460	N449LP20	20"	2440	3001FTVB3SX-A	328.0	95.8	5	MXTFCV	\$71,975
300	1800	460	N449LP20	20"	3250	3004FTVB3SX-A	330.0	96.2		MXTFCV	\$62,586
300	1200	460	N449LP20	20"	3630	3006FTVB3SX-A	354.0	96.2		MXTFCV	\$93,881
350	3600	460	N449LP20	20"	2440	3501FTVB3SX-A	382.0	95.8	5	MXTFCV	\$83,971
350	1800	460	N449LP20	20"	3250	3504FTVB3SX-A	380.0	96.2		MXTFCV	\$73,018
350	1200	460	N449LP20	20"	3560	3506FTVB3SX-A	414.0	96.2		MXTFCV	\$109,526
400	3600	460	N449LP20	20"	2440	4001FTVB3SX-A			5	MXTFCV	\$95,965
400	1800	460	N449LP20	20"	3250	4004FTVB3SX-A				MXTFCV	\$83,448

In addition to the dimensions listed, alternate P-flange BD dimensions are available. Please contact Toshiba for additional information.
Please contact Toshiba for information on product availability.

Medium Voltage General Purpose Series Open Enclosure Motors

XT

Toshiba's general purpose XT, medium voltage open enclosure motor series is designed to meet the industry's ever-increasing need for improved energy conservation and product reliability. These motors offer some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry – leading to a longer life and greater reliability. This motor series is recommended for indoor use.

The general purpose, XT medium voltage open enclosure motor is available in a high efficiency design with a die cast aluminum rotor and anti-friction ball bearing as standard or with optional copper bar rotor and/or sleeve bearings. These motor offerings are completely customizable due to our in-house design, engineering, and manufacturing capabilities. This allows us to not only meet, but exceed your specific application requirements.

Standard Features

- Open Drip Proof, WPI, or WPII
- High Efficiency
- 2300/4160 or 4000 V, Three-Phase, 60 Hz
- 1.15 Service Factor*
- Horizontal Foot-Mounted Direct-Coupled Applications
- Class F Form-Wound Insulation
- Class B Temperature Rise at 1.0 Service Factor*
- Ingress Protection 22, 23, or 24
- Vacuum-Pressure Impregnated System
- Cast Iron Frame, End Brackets, & Main Terminal Box
- Anti-Friction Ball Bearing
- Aluminum Die Cast Rotor
- Polyurea Base Grease
- 304 Stainless Steel Nameplate

**Except Where Noted*

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Mixers
- Material Handling
- General Applications

Warranty:

From Date of Manufacture: 18 Months*

From Date of Installation: 12 Months*

**(Whichever Comes First)*



Open Enclosure
ODP / WPI
High Efficiency



Toshiba's general purpose XT, Open Drip Proof and WPI, High Efficiency motor series are designed to meet the industry's ever-increasing need for improved energy conservation and product reliability. These product lines offer a high torque and low vibration design leading to longer life and greater reliability. These motor offerings are completely customizable due to our in-house design, engineering, and manufacturing capabilities. This allows us to not only meet, but exceed your specific application requirements.

XT

Product Scope

Horsepower:	200 to 2000 HP
Speed:	3600, 1800, 1200, or 900 RPM
Voltage:	2300/4160, 4000 V
Enclosure:	Open Drip Proof: IP22 Weather-Protected Type I: IP23
Frame Size:	445T through 5812US
Construction:	Cast Iron (Frame, End Brackets, & Main Terminal Box)
Insulation:	Class F with Class B Rise at 1.0 Service Factor
Suitable	
Environments:	Recommended for Indoor Use

Special Features:

- Available in Copper Bar Rotor Construction
- Available with Sleeve Bearings
- Additional Options Available; See Catalog Production Modifications Section

Contact Houston for availability on 6.6 KV, 60 Hz motors.

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
200	3600	2300/4160	445TS	ODP	Anti-Friction		F2002VLG3JF	47\27	92.4		MXTDPM	\$25,606
200	1800	2300/4160	445T	ODP	Anti-Friction		F2004VLF3JF	50\29	93.6		MXTDPM	\$28,328
200	1200	2300/4160	505US	ODP	Anti-Friction		F2006VLF3JF	52\31	92.6		MXTDPM	\$33,833
200	900	2300/4160	505US	ODP	Anti-Friction		F2008VLF3JF			12	MXTDPM	\$42,666
200	900	2300/4160	587US	ODP	Anti-Friction		F2008VLF3JM	49.5\28.5	93.3		MXTDPM	\$59,208
250	3600	2300/4160	505USS	ODP	Anti-Friction		F2502VLG3JF	59\33	93.0		MXTDPM	\$31,202
250	1800	2300/4160	447TS	ODP	Anti-Friction		F2504VLF3JF	58\33	94.3		MXTDPM	\$30,306
250	1200	2300/4160	505US	ODP	Anti-Friction		F2506VLF3JF	63\37	93.2		MXTDPM	\$35,051
250	900	2300/4160	509US	ODP	Anti-Friction		F2508VLF3JF				MXTDPM	\$54,773
250	900	2300/4160	5810US	ODP	Anti-Friction		F2508VLF3JM	61.6\35.5	93.5	12	MXTDPM	\$61,640
300	3600	2300/4160	505USS	ODP	Anti-Friction		F3002VLG3JF	70\39	94.1		MXTDPM	\$32,488
300	1800	2300/4160	505US	ODP	Anti-Friction		F3004VLF3JF	70\40	94.0		MXTDPM	\$32,602
300	1200	2300/4160	505US	ODP	Anti-Friction		F3006VLF3JF	71\41	94.7		MXTDPM	\$36,360
300	900	2300/4160	509US	ODP	Anti-Friction		F3008VLF3JF				MXTDPM	\$55,835
300	900	2300/4160	5810US	ODP	Anti-Friction		F3008VLF3JM	73.9\42.5	93.8	12	MXTDPM	\$62,928
350	3600	2300/4160	507USS	ODP	Anti-Friction		F3502VLG3JF	80\45	93.9		MXTDPM	\$34,373
350	1800	2300/4160	505US	ODP	Anti-Friction		F3504VLF3JF	80\44	95.1		MXTDPM	\$34,635

Open Enclosure ODP / WPI

High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
350	1200	2300/4160	507US	ODP	Anti-Friction		F3506VLF3JF	84\49	94.5		MXTDPM	\$39,020
350	900	2300/4160	5810US	ODP	Anti-Friction		F3508VLF3JM	86\49.4	94.1	12	MXTDPM	\$67,086
400	3600	2300/4160	507USS	ODP	Anti-Friction		F4002VLG3JF	91\51	94.6		MXTDPM	\$34,497
400	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		4003WPAK11F-A	94 / 54	93.7	4, 13	MXTWP1	\$35,673
400	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		4003WPAK11F-C	94 / 54	93.2	4, 12, 13	MXTWP1	\$47,746
400	3600	2300/4000	5011/12 USS	WPI	Sleeve		4003WPQK11F-A	94 / 54	93.4	4, 13	MXTWP1	\$68,253
400	3600	2300/4000	5011/12 USS	WPI	Sleeve		4003WPQK11F-C	94 / 54	93.1	4, 12, 13	MXTWP1	\$38,915
400	1800	2300/4160	507US	ODP	Anti-Friction		F4004VLF3JF	90\52	94.5		MXTDPM	\$40,486
400	1800	2300/4000	5011/12 US	WPI	Anti-Friction		4004WPAK11E-A	95 / 55	92.9	13	MXTWP1	\$53,773
400	1800	2300/4000	5011/12 US	WPI	Anti-Friction		4004WPAK11E-C	93 / 54	92.5	12, 13	MXTWP1	\$71,217
400	1200	2300/4160	509US	ODP	Anti-Friction		F4006VLF3JF	99\58	95.2		MXTDPM	\$39,964
400	1200	2300/4000	5011/12 US	WPI	Anti-Friction		4006WPAK11E-A	99 / 57	92.7	13	MXTWP1	\$42,000
400	1200	2300/4000	5011/12 US	WPI	Anti-Friction		4006WPAK11E-C	103 / 60	93.8	12, 13	MXTWP1	\$54,555
400	900	2300/4160	5810US	ODP	Anti-Friction		F4008VLF3JM	98\56.4	94.1	12	MXTDPM	\$71,884
450	3600	2300/4160	509USS	ODP	Anti-Friction		F4502VLG3JF	99\55	95.4		MXTDPM	\$74,573
450	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		4503WPAK11F-A	104 / 60	94.1	4, 13	MXTWP1	\$79,937
450	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		4503WPAK11F-C	104 / 60	93.6	4, 12, 13	MXTWP1	\$78,466
450	3600	2300/4000	5011/12 USS	WPI	Sleeve		4503WPQK11F-A	104 / 60	93.8	4, 13	MXTWP1	\$82,124
450	3600	2300/4000	5011/12 USS	WPI	Sleeve		4503WPQK11F-C	104 / 60	93.6	4, 12, 13	MXTWP1	\$82,595
450	1800	2300/4160	509US	ODP	Anti-Friction		F4504VLF3JF	101\56	95.5		MXTDPM	\$83,871
450	1800	2300/4000	5011/12 US	WPI	Anti-Friction		4504WPAK11E-A	106 / 61	93.2	13	MXTWP1	\$85,888
450	1800	2300/4000	5011/12 US	WPI	Anti-Friction		4504WPAK11E-C	101 / 58	92.7	12, 13	MXTWP1	\$60,828
450	1200	2300/4160	509US	ODP	Anti-Friction		F4506VLF3JF				MXTDPM	\$80,802
450	1200	2300/4000	5011/12 US	WPI	Anti-Friction		4506WPAK11E-A	113 / 65	93.5	13	MXTWP1	\$77,235
450	1200	2300/4000	5011/12 US	WPI	Anti-Friction		4506WPAK11E-C	116 / 67	94.0	12, 13	MXTWP1	\$97,208
450	900	2300/4160	5810US	ODP	Anti-Friction		F4508VLF3JM	109\63.1	94.4	12	MXTDPM	\$63,128
500	3600	2300/4160	509USS	ODP	Anti-Friction		F5002VLG3JF	110\61	94.8		MXTDPM	\$83,102
500	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		5003WPAK11F-A	114 / 66	93.9	4, 13	MXTWP1	\$69,233
500	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		5003WPAK11F-C	114 / 66	93.5	4, 12, 13	MXTWP1	\$89,206
500	3600	2300/4000	5011/12 USS	WPI	Sleeve		5003WPQK11F-A	114 / 66	93.6	4, 13	MXTWP1	\$61,262
500	3600	2300/4000	5011/12 USS	WPI	Sleeve		5003WPQK11F-C	114 / 66	93.5	4, 12, 13	MXTWP1	\$81,235
500	1800	2300/4160	509US	ODP	Anti-Friction		F5004VLF3JF	114\64	95.4		MXTDPM	\$77,668
500	1800	2300/4000	5011/12 US	WPI	Anti-Friction		5004WPAK11E-A	114 / 66	93.3	13	MXTWP1	\$97,642
500	1800	2300/4000	5011/12 US	WPI	Anti-Friction		5004WPAK11E-C	113 / 65	92.9	12, 13	MXTWP1	\$64,031
500	1200	2300/4160	509US	ODP	Anti-Friction		F5006VKF3JF			3	MXTDPM	\$84,004
500	1200	2300/4160	5810US	ODP	Anti-Friction		F5006VLF3JM	114\66.1	95.3	12	MXTDPM	\$70,135
500	1200	2300/4000	5011/12 US	WPI	Anti-Friction		5006WPAK11E-A	128 / 74	93.6	13	MXTWP1	\$90,108
500	1200	2300/4000	5011/12 US	WPI	Anti-Friction		5006WPAK11E-C	130 / 75	94.2	12, 13	MXTWP1	\$62,066
500	900	2300/4160	5810US	ODP	Anti-Friction		F5008VLF3JM	122\70	95.2	12	MXTDPM	\$82,040
600	3600	2300/4160	5011/12 USS	WPI	Anti-Friction		6003WPAK11F-A	137 / 79	94.4	4, 13	MXTWP1	\$78,473
600	3600	2300/4160	5011/12 USS	WPI	Anti-Friction		6003WPAK11F-C	137 / 79	94.1	4, 12, 13	MXTWP1	\$98,446
600	3600	2300/4160	5011/12 USS	WPI	Sleeve		6003WPQK11F-A	137 / 79	94.1	4, 13	MXTWP1	\$64,468
600	3600	2300/4160	5011/12 USS	WPI	Sleeve		6003WPQK11F-C	137 / 79	94.1	4, 12, 13	MXTWP1	\$84,442
600	1800	2300/4160	5810US	ODP	Anti-Friction		F6004VLF3JM	135\77.5	93.7	12	MXTDPM	\$70,573
600	1800	2300/4160	5011/12 US	WPI	Anti-Friction		6004WPAK11E-A	139 / 80	93.5	13	MXTWP1	\$90,546
600	1800	2300/4160	5011/12 US	WPI	Anti-Friction		6004WPAK11E-C	133 / 77	93.4	12, 13	MXTWP1	\$63,755
600	1200	2300/4160	5810US	ODP	Anti-Friction		F6006VLF3JM	137\79.4	95.4	12	MXTDPM	\$83,728

LV General Purpose CT
LV General Purpose XT
EQP Global
LV Definite Purpose CT
LV Definite Purpose XT
MV General Purpose XT
Stock Modifications
Production Modifications
Spare Parts
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Appendices

Open Enclosure ODP / WPI

High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
600	1200	2300/4160	5011/12 US	WPI	Anti-Friction		6006WPAK11E-C	157 / 90	94.2	12, 13	MXTWP1	\$80,162
600	900	4000	5811/12 US	WPI	Anti-Friction		6008WPAK11E-A	93	94.3	13	MXTWP1	\$100,135
600	900	4000	5811/12 US	WPI	Anti-Friction		6008WPAK11E-C	84	94.7	12, 13	MXTWP1	\$65,391
700	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		7003WPAK11F-A	158 / 91	94.5	4, 13	MXTWP1	\$85,364
700	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		7003WPAK11F-C	158 / 91	94.3	4, 12, 13	MXTWP1	\$92,655
700	3600	2300/4000	5011/12 USS	WPI	Sleeve		7003WPQK11F-A	158 / 91	94.2	4, 13	MXTWP1	\$85,446
700	3600	2300/4000	5011/12 USS	WPI	Sleeve		7003WPQK11F-C	158 / 91	94.3	4, 12, 13	MXTWP1	\$107,322
700	1800	2300/4160	5810US	ODP	Anti-Friction		F7004VLF3JM	157/90.3	93.7	12	MXTDPM	\$68,595
700	1800	2300/4000	5011/12 US	WPI	Anti-Friction		7004WPAK11E-A	165 / 95	94.0	13	MXTWP1	\$88,568
700	1800	2300/4000	5011/12 US	WPI	Anti-Friction		7004WPAK11E-C	151 / 87	93.7	12, 13	MXTWP1	\$85,002
700	1200	2300/4160	5810US	ODP	Anti-Friction		F7006VLF3JM	160/92.1	96.1	12	MXTDPM	\$104,975
700	1200	4000	5811/12US	WPI	Anti-Friction		7006WPAK11E-A			13	MXTWP1	\$73,031
700	1200	4000	5811/12US	WPI	Anti-Friction		7006WPAK11E-C			12, 13	MXTWP1	\$93,004
700	900	4000	5811/12 US	WPI	Anti-Friction		7008WPAK11E-A	108	94.3	13	MXTWP1	\$80,711
700	900	4000	5811/12 US	WPI	Anti-Friction		7008WPAK11E-C	99	94.9	12, 13	MXTWP1	\$102,586
800	3600	4000	5811/12 USS	WPI	Anti-Friction		8003WPAK11F-A	102	95.2	4, 13	MXTWP1	\$87,502
800	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		8003WPAK11F-A	180 / 104	94.1	4, 13	MXTWP1	\$109,377
800	3600	2300/4000	5011/12 USS	WPI	Anti-Friction		8003WPAK11F-C	180 / 104	94.1	4, 12, 13	MXTWP1	\$72,971
800	3600	2300/4000	5011/12 USS	WPI	Sleeve		8003WPQK11F-A	180 / 104	93.8	4, 13	MXTWP1	\$92,944
800	3600	2300/4000	5011/12 USS	WPI	Sleeve		8003WPQK11F-C	180 / 104	94.1	4, 12, 13	MXTWP1	\$83,813
800	1800	2300/4160	5810US	ODP	Anti-Friction		F8004VLF3JM	178/103	94.2	12	MXTDPM	\$89,377
800	1800	2300/4000	5011/12 US	WPI	Anti-Friction		8004WPAK11E-A	187 / 108	93.6	13	MXTWP1	\$109,351
800	1800	2300/4000	5011/12 US	WPI	Anti-Friction		8004WPAK11E-C	174 / 100	94.1	12, 13	MXTWP1	\$77,286
800	1200	4000	5811/12 US	WPI	Anti-Friction		8006WPAK11E-A	115	94.5	13	MXTWP1	\$97,260
800	1200	4000	5811/12 US	WPI	Anti-Friction		8006WPAK11E-C	108	94.8	12, 13	MXTWP1	\$88,775
900	3600	4000	5811/12 USS	WPI	Anti-Friction		9003WPAK11F-A	114	95.4	4, 13	MXTWP1	\$110,651
900	3600	4000	5811/12 USS	WPI	Anti-Friction		9003WPAK11F-C	110	95.8	4, 12, 13	MXTWP1	\$76,257
900	3600	4000	5811/12 USS	WPI	Sleeve		9003WPQL11F-A	114	95.3	4, 13	MXTWP1	\$98,133
900	3600	4000	5811/12 USS	WPI	Sleeve		9003WPQL11F-C	110	95.7	4, 12, 13	MXTWP1	\$86,284
900	1800	2300/4160	5810US	ODP	Anti-Friction		F9004VLF3JM	200/115	94.7	12	MXTDPM	\$108,160
900	1800	4000	5811/12 US	WPI	Anti-Friction		9005WPAK11E-A			4, 13	MXTWP1	\$82,860
900	1800	4000	5811/12 US	WPI	Anti-Friction		9005WPAK11E-C	117	95.6	4, 13	MXTWP1	\$104,735
900	1800	4000	5811/12 US	WPI	Sleeve		9005WPQL11E-A			4, 13	MXTWP1	\$99,980
900	1800	4000	5811/12 US	WPI	Sleeve		9005WPQL11E-C			4, 13	MXTWP1	\$121,855
900	1200	4000	5811/12 US	WPI	Anti-Friction		9006WPAK11E-A	124	94.5	13	MXTWP1	\$90,964
900	1200	4000	5811/12 US	WPI	Anti-Friction		9006WPAK11E-C	125	94.9	12, 13	MXTWP1	\$112,840
1000	3600	4000	5811/12 USS	WPI	Anti-Friction		M203WPAK11F-A	126	95.5	4, 13	MXTWP1	\$81,411
1000	3600	4000	5811/12 USS	WPI	Anti-Friction		M203WPAK11F-C	122	96.0	4, 12, 13	MXTWP1	\$103,286
1000	3600	4000	5811/12 USS	WPI	Sleeve		M203WPQL11F-A	126	95.4	4, 13	MXTWP1	\$91,437
1000	3600	4000	5811/12 USS	WPI	Sleeve		M203WPQL11F-C	122	95.9	4, 12, 13	MXTWP1	\$108,557
1000	1800	4000	5811/12 US	WPI	Anti-Friction		M205WPAK11E-A	128	95.4	4, 13	MXTWP1	\$87,940
1000	1800	4000	5811/12 US	WPI	Anti-Friction		M205WPAK11E-C	131	95.7	4, 12, 13	MXTWP1	\$109,815
1000	1800	4000	5811/12 US	WPI	Sleeve		M205WPQL11E-A	128	95.4	4, 13	MXTWP1	\$105,060
1000	1800	4000	5811/12 US	WPI	Sleeve		M205WPQL11E-C	131	95.6	4, 12, 13	MXTWP1	\$126,935
1000	1200	4000	5811/12 US	WPI	Anti-Friction		M206WPAK11E-A	140	94.5	13	MXTWP1	\$93,435
1000	1200	4000	5811/12 US	WPI	Anti-Friction		M206WPAK11E-C	137	94.6	12, 13	MXTWP1	\$115,311
1250	3600	4000	5811/12 USS	WPI	Anti-Friction		M253WPAK11F-A	158	95.7	4, 13	MXTWP1	\$90,124

Open Enclosure ODP / WPI

High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1250	3600	4000	5811/12 USS	WPI	Anti-Friction		M253WPAL11F-C	153	96.2	4, 12, 13	MXTWP1	\$112,000
1250	3600	4000	5811/12 USS	WPI	Sleeve		M253WPQL11F-A	158	95.6	4, 13	MXTWP1	\$107,244
1250	3600	4000	5811/12 USS	WPI	Sleeve		M253WPQL11F-C	153	96.1	4, 12, 13	MXTWP1	\$129,120
1250	1800	4000	5811/12 US	WPI	Anti-Friction		M255WPAL11E-A	159	95.5	4, 13	MXTWP1	\$94,044
1250	1800	4000	5811/12 US	WPI	Anti-Friction		M255WPAL11E-C	162	95.9	4, 12, 13	MXTWP1	\$115,920
1250	1800	4000	5811/12 US	WPI	Sleeve		M255WPQL11E-A	159	95.5	4, 13	MXTWP1	\$111,164
1250	1800	4000	5811/12 US	WPI	Sleeve		M255WPQL11E-C	162	95.8	4, 12, 13	MXTWP1	\$133,040
1500	3600	4000	5811/12 USS	WPI	Anti-Friction		M303WPAL11F-A	189	95.8	4, 13	MXTWP1	\$94,537
1500	3600	4000	5811/12 USS	WPI	Anti-Friction		M303WPAL11F-C	183	96.2	4, 12, 13	MXTWP1	\$116,413
1500	3600	4000	5811/12 USS	WPI	Sleeve		M303WPQL11F-A	189	95.7	4, 13	MXTWP1	\$111,657
1500	3600	4000	5811/12 USS	WPI	Sleeve		M303WPQL11F-C	183	96.1	4, 12, 13	MXTWP1	\$133,533
1500	1800	4000	5811/12 US	WPI	Anti-Friction		M305WPAL11E-A	189	95.6	4, 13	MXTWP1	\$97,393
1500	1800	4000	5811/12 US	WPI	Anti-Friction		M305WPAL11E-C	193	96.0	4, 12, 13	MXTWP1	\$119,268
1500	1800	4000	5811/12 US	WPI	Sleeve		M305WPQL11E-A	189	95.6	4, 13	MXTWP1	\$114,513
1500	1800	4000	5811/12 US	WPI	Sleeve		M305WPQL11E-C	193	95.9	4, 12, 13	MXTWP1	\$136,388
1750	3600	4000	5811/12 USS	WPI	Anti-Friction		M353WPAL11F-A	224	95.8	4, 13	MXTWP1	\$97,657
1750	3600	4000	5811/12 USS	WPI	Anti-Friction		M353WPAL11F-C	216	96.1	4, 12, 13	MXTWP1	\$119,533
1750	3600	4000	5811/12 USS	WPI	Sleeve		M353WPQL11F-A	224	95.6	4, 13	MXTWP1	\$114,777
1750	3600	4000	5811/12 USS	WPI	Sleeve		M353WPQL11F-C	216	95.9	4, 12, 13	MXTWP1	\$136,653
1750	1800	4000	5811/12 US	WPI	Anti-Friction		M355WPAL11E-A	221	95.5	4, 13	MXTWP1	\$99,142
1750	1800	4000	5811/12 US	WPI	Anti-Friction		M355WPAL11E-C	227	95.8	4, 12, 13	MXTWP1	\$121,017
1750	1800	4000	5811/12 US	WPI	Sleeve		M355WPQL11E-A	221	95.5	4, 13	MXTWP1	\$116,262
1750	1800	4000	5811/12 US	WPI	Sleeve		M355WPQL11E-C	227	95.7	4, 12, 13	MXTWP1	\$138,137
2000	3600	4000	5811/12 USS	WPI	Anti-Friction		M403WPAL11F-A	253	95.8	4, 13	MXTWP1	\$101,213
2000	3600	4000	5811/12 USS	WPI	Anti-Friction		M403WPAL11F-C	245	96.1	4, 12, 13	MXTWP1	\$123,088
2000	3600	4000	5811/12 USS	WPI	Sleeve		M403WPQL11F-A	253	95.7	4, 13	MXTWP1	\$118,333
2000	3600	4000	5811/12 USS	WPI	Sleeve		M403WPQL11F-C	245	96.0	4, 12, 13	MXTWP1	\$140,208

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Open Enclosure WP11

High Efficiency



XT

Toshiba’s general purpose XT, Medium Voltage WP11, High Efficiency motor series is designed to meet the industry’s ever-increasing need for improved energy conservation and product reliability. This product line offers a high torque and low vibration design leading to longer life and greater reliability. These motor offerings are completely customizable due to our in-house design, engineering, and manufacturing capabilities. This allows us to not only meet, but exceed your specific application requirements.

Product Scope

- Horsepower:

400 to 1750 HP
- Speed:

3600, 1800, 1200, or 900 RPM
- Voltage:

2300/4160, 4000 V
- Enclosure:

Weather-Protected Type II: IP24
- Frame Size:

5011/12US through 5811/12US
- Construction:

Cast Iron (Frame, End Brackets, & Main Terminal Box)
- Insulation:

Class F with Class B Rise at 1.0 Service Factor
- Suitable

Environments: Indoor or Outdoor Use

Special Features:

- Available in Copper Bar Rotor Construction
- Available with Sleeve Bearings
- Additional Options Available; See Catalog Production Modifications Section

Contact Houston for availability on 6.6 KV, 60 Hz motors.

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
400	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		4003WTAK11F-A	94 / 54	93.6	4	MXTWP2	\$57,564
400	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		4003WTAK11F-C	94 / 54	92.9	4, 12	MXTWP2	\$77,537
400	3600	2300/4000	5011/12 USS	WP11	Sleeve		4003WTQK11F-A	94 / 54	93.5	4	MXTWP2	\$73,971
400	3600	2300/4000	5011/12 USS	WP11	Sleeve		4003WTQK11F-C	94 / 54	93.3	4, 12	MXTWP2	\$93,944
400	1800	2300/4000	5011/12 US	WP11	Anti-Friction		4004WTAK11E-A	94 / 54	92.8		MXTWP2	\$58,613
400	1800	2300/4000	5011/12 US	WP11	Anti-Friction		4004WTAK11E-C	89 / 51	92.5	12	MXTWP2	\$78,586
400	1200	2300/4000	5011/12 US	WP11	Anti-Friction		4006WTAK11E-A	97 / 56	92.6		MXTWP2	\$72,808
400	1200	2300/4000	5011/12 US	WP11	Anti-Friction		4006WTAK11E-C	103 / 60	93.8	12	MXTWP2	\$92,782
400	900	4000	5811/12 US	WP11	Anti-Friction		4008WTAL11E-A				MXTWP2	\$98,391
400	900	4000	5811/12 US	WP11	Anti-Friction		4008WTAL11E-C			12	MXTWP2	\$120,266
450	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		4503WTAK11F-A	104 / 60	94.0	4	MXTWP2	\$58,573
450	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		4503WTAK11F-C	104 / 60	93.4	4, 12	MXTWP2	\$78,546
450	3600	2300/4000	5011/12 USS	WP11	Sleeve		4503WTQK11F-A	104 / 60	93.9	4	MXTWP2	\$74,980
450	3600	2300/4000	5011/12 USS	WP11	Sleeve		4503WTQK11F-C	104 / 60	93.7	4, 12	MXTWP2	\$94,953
450	1800	2300/4000	5011/12 US	WP11	Anti-Friction		4504WTAK11E-A	106 / 61	93.1		MXTWP2	\$61,397
450	1800	2300/4000	5011/12 US	WP11	Anti-Friction		4504WTAK11E-C	103 / 59	92.7	12	MXTWP2	\$81,371

Open Enclosure WP11

High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
450	1200	2300/4000	5011/12 US	WP11	Anti-Friction		4506WTAK11E-A	113 / 65	93.4		MXTWP2	\$74,464
450	1200	2300/4000	5011/12 US	WP11	Anti-Friction		4506WTAK11E-C	116 / 67	94.0	12	MXTWP2	\$94,437
450	900	4000	5811/12 US	WP11	Anti-Friction		4508WTAL11E-A				MXTWP2	\$81,282
450	900	4000	5811/12 US	WP11	Anti-Friction		4508WTAL11E-C	61	94.4	12	MXTWP2	\$103,157
500	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		5003WTAK11F-A	114 / 66	93.8	4	MXTWP2	\$60,680
500	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		5003WTAK11F-C	114 / 66	93.3	4, 12	MXTWP2	\$80,653
500	3600	2300/4000	5011/12 USS	WP11	Sleeve		5003WTQK11F-A	114 / 66	93.7	4	MXTWP2	\$77,086
500	3600	2300/4000	5011/12 USS	WP11	Sleeve		5003WTQK11F-C	114 / 66	93.6	4, 12	MXTWP2	\$97,060
500	1800	2300/4000	5011/12 US	WP11	Anti-Friction		5004WTAK11E-A	114 / 66	93.2		MXTWP2	\$62,486
500	1800	2300/4000	5011/12 US	WP11	Anti-Friction		5004WTAK11E-C	112 / 65	92.9	12	MXTWP2	\$82,460
500	1200	2300/4000	5011/12 US	WP11	Anti-Friction		5006WTAK11E-A	126 / 73	93.5		MXTWP2	\$77,740
500	1200	2300/4000	5011/12 US	WP11	Anti-Friction		5006WTAK11E-C	130 / 75	94.2	12	MXTWP2	\$97,713
500	900	4000	5811/12 US	WP11	Anti-Friction		5008WTAL11E-A				MXTWP2	\$83,666
500	900	4000	5811/12 US	WP11	Anti-Friction		5008WTAL11E-C	69	94.8	12	MXTWP2	\$105,542
600	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		6003WTAK11F-A	137 / 79	94.3	4	MXTWP2	\$67,386
600	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		6003WTAK11F-C	137 / 69	93.9	4, 12	MXTWP2	\$87,360
600	3600	2300/4000	5011/12 USS	WP11	Sleeve		6003WTQK11F-A	137 / 79	94.2	4	MXTWP2	\$83,793
600	3600	2300/4000	5011/12 USS	WP11	Sleeve		6003WTQK11F-C	137 / 69	94.2	4, 12	MXTWP2	\$103,766
600	1800	2300/4000	5011/12 US	WP11	Anti-Friction		6004WTAK11E-A	137 / 79	93.4		MXTWP2	\$68,775
600	1800	2300/4000	5011/12 US	WP11	Anti-Friction		6004WTAK11E-C	130 / 75	93.4	12	MXTWP2	\$88,748
600	1200	4000	5811/12 US	WP11	Anti-Friction		6006WTAL11E-A				MXTWP2	\$83,242
600	1200	4000	5811/12 US	WP11	Anti-Friction		6006WTAL11E-C			12	MXTWP2	\$105,117
600	900	4000	5811/12 US	WP11	Anti-Friction		6008WTAL11E-A				MXTWP2	\$88,702
600	900	4000	5811/12 US	WP11	Anti-Friction		6008WTAL11E-C	84	94.7	12	MXTWP2	\$110,577
700	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		7003WTAK11F-A	159 / 92	94.4	4	MXTWP2	\$72,224
700	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		7003WTAK11F-C	158 / 91	94.2	4, 12	MXTWP2	\$92,197
700	3600	2300/4000	5011/12 USS	WP11	Sleeve		7003WTQK11F-A	159 / 92	94.3	4	MXTWP2	\$88,631
700	3600	2300/4000	5011/12 USS	WP11	Sleeve		7003WTQK11F-C	158 / 91	94.4	4, 12	MXTWP2	\$108,604
700	1800	2300/4000	5011/12 US	WP11	Anti-Friction		7004WTAK11E-A	165 / 95	93.9		MXTWP2	\$73,646
700	1800	2300/4000	5011/12 US	WP11	Anti-Friction		7004WTAK11E-C	151 / 87	93.7	12	MXTWP2	\$93,620
700	1200	4000	5811/12 US	WP11	Anti-Friction		7006WTAL11E-A	100	94.5		MXTWP2	\$84,095
700	1200	4000	5811/12 US	WP11	Anti-Friction		7006WTAL11E-C			12	MXTWP2	\$105,971
700	900	4000	5811/12 US	WP11	Anti-Friction		7008WTAL11E-A				MXTWP2	\$91,191
700	900	4000	5811/12 US	WP11	Anti-Friction		7008WTAL11E-C	99	94.9	12	MXTWP2	\$113,066
800	3600	4000	5811/12 USS	WP11	Anti-Friction		8003WTAL11F-A	102	95.2	4	MXTWP2	\$76,104
800	3600	4000	5811/12 USS	WP11	Anti-Friction		8003WTAL11F-C	99	95.6	4, 12	MXTWP2	\$97,980
800	3600	4000	5811/12 USS	WP11	Sleeve		8003WTQL11F-A	0	0.0	4	MXTWP2	\$93,224
800	3600	4000	5811/12 USS	WP11	Sleeve		8003WTQL11F-C	0	0.0	4, 12	MXTWP2	\$115,100
800	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		8003WTAK11F-A	182 / 105	94.0	4	MXTWP2	\$75,333
800	3600	2300/4000	5011/12 USS	WP11	Anti-Friction		8003WTAK11F-C	178 / 103	94.0	4, 12	MXTWP2	\$95,306
800	1800	2300/4000	5011/12 US	WP11	Anti-Friction		8004WTAK11E-A	185 / 107	93.5	3	MXTWP2	\$77,113
800	1800	4000	5811/12 US	WP11	Anti-Friction		8005WTAL11E-A			4	MXTWP2	\$82,726
800	1800	4000	5811/12 US	WP11	Anti-Friction		8005WTAL11E-C			4, 12	MXTWP2	\$104,602
800	1800	4000	5811/12 US	WP11	Sleeve		8005WTQL11E-A			4	MXTWP2	\$99,846
800	1800	4000	5811/12 US	WP11	Sleeve		8005WTQL11E-C			4, 12	MXTWP2	\$121,722
800	1200	4000	5811/12 US	WP11	Anti-Friction		8006WTAL11E-A	115	94.5		MXTWP2	\$92,351
800	1200	4000	5811/12 US	WP11	Anti-Friction		8006WTAL11E-C			4, 12	MXTWP2	\$114,226

Open Enclosure WP11

High Efficiency



HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
900	3600	4000	5811/12 USS	WP11	Anti-Friction		9003WTAL11F-A	114	95.4	4	MXTWP2	\$80,080
900	3600	4000	5811/12 USS	WP11	Anti-Friction		9003WTAL11F-C	110	95.8	4, 12	MXTWP2	\$101,955
900	3600	4000	5811/12 USS	WP11	Sleeve		9003WTQL11F-A			4	MXTWP2	\$97,200
900	3600	4000	5811/12 USS	WP11	Sleeve		9003WTQL11F-C			4, 12	MXTWP2	\$119,075
900	1800	4000	5811/12 US	WP11	Anti-Friction		9005WTAL11E-A	114	95.5	4	MXTWP2	\$86,568
900	1800	4000	5811/12 US	WP11	Anti-Friction		9005WTAL11E-C			4, 12	MXTWP2	\$108,444
900	1800	4000	5811/12 US	WP11	Sleeve		9005WTQL11E-A			4	MXTWP2	\$103,688
900	1800	4000	5811/12 US	WP11	Sleeve		9005WTQL11E-C			4, 12	MXTWP2	\$125,564
900	1200	4000	5811/12 US	WP11	Anti-Friction		9006WTAL11E-A	124	94.5		MXTWP2	\$94,597
900	1200	4000	5811/12 US	WP11	Anti-Friction		9006WTAL11E-C			12	MXTWP2	\$116,473
1000	3600	4000	5811/12 USS	WP11	Anti-Friction		M203WTAL11F-A	126	95.5	4	MXTWP2	\$84,797
1000	3600	4000	5811/12 USS	WP11	Anti-Friction		M203WTAL11F-C	122	96.0	4, 12	MXTWP2	\$106,673
1000	3600	4000	5811/12 USS	WP11	Sleeve		M203WTQL11F-A			4	MXTWP2	\$101,917
1000	3600	4000	5811/12 USS	WP11	Sleeve		M203WTQL11F-C			4, 12	MXTWP2	\$123,793
1000	1800	4000	5811/12 US	WP11	Anti-Friction		M205WTAL11E-A	126	95.6	4	MXTWP2	\$91,248
1000	1800	4000	5811/12 US	WP11	Anti-Friction		M205WTAL11E-C			4, 12	MXTWP2	\$113,124
1000	1800	4000	5811/12 US	WP11	Sleeve		M205WTQL11E-A			4	MXTWP2	\$108,368
1000	1800	4000	5811/12 US	WP11	Sleeve		M205WTQL11E-C			4, 12	MXTWP2	\$130,244
1000	1200	4000	5811/12 US	WP11	Anti-Friction		M206WTAL11E-A	135	94.5		MXTWP2	\$97,240
1000	1200	4000	5811/12 US	WP11	Anti-Friction		M206WTAL11E-C			12	MXTWP2	\$119,115
1250	3600	4000	5811/12 USS	WP11	Anti-Friction		M253WTAL11F-A	158	95.7	4	MXTWP2	\$93,746
1250	3600	4000	5811/12 USS	WP11	Anti-Friction		M253WTAL11F-C	153	96.2	4, 12	MXTWP2	\$115,622
1250	3600	4000	5811/12 USS	WP11	Sleeve		M253WTQL11F-A			4	MXTWP2	\$110,866
1250	3600	4000	5811/12 USS	WP11	Sleeve		M253WTQL11F-C			4, 12	MXTWP2	\$132,742
1250	1800	4000	5811/12 US	WP11	Anti-Friction		M255WTAL11E-A	157	95.7	4	MXTWP2	\$97,602
1250	1800	4000	5811/12 US	WP11	Anti-Friction		M255WTAL11E-C			4, 12	MXTWP2	\$119,477
1250	1800	4000	5811/12 US	WP11	Sleeve		M255WTQL11E-A			4	MXTWP2	\$114,722
1250	1800	4000	5811/12 US	WP11	Sleeve		M255WTQL11E-C			4, 12	MXTWP2	\$136,597
1500	3600	4000	5811/12 USS	WP11	Anti-Friction		M303WTAL11F-A	189	95.8	4	MXTWP2	\$98,457
1500	3600	4000	5811/12 USS	WP11	Anti-Friction		M303WTAL11F-C	183	96.2	4, 12	MXTWP2	\$120,333
1500	3600	4000	5811/12 USS	WP11	Sleeve		M303WTQL11F-A			4	MXTWP2	\$115,577
1500	3600	4000	5811/12 USS	WP11	Sleeve		M303WTQL11F-C			4, 12	MXTWP2	\$137,453
1500	1800	4000	5811/12 US	WP11	Anti-Friction		M305WTAL11E-A	189	95.7	4	MXTWP2	\$100,988
1500	1800	4000	5811/12 US	WP11	Anti-Friction		M305WTAL11E-C			4, 12	MXTWP2	\$122,864
1500	1800	4000	5811/12 US	WP11	Sleeve		M305WTQL11E-A			4	MXTWP2	\$118,108
1500	1800	4000	5811/12 US	WP11	Sleeve		M305WTQL11E-C			4, 12	MXTWP2	\$139,984
1750	3600	4000	5811/12 USS	WP11	Anti-Friction		M353WTAL11F-A	224	95.8	4	MXTWP2	\$102,071
1750	3600	4000	5811/12 USS	WP11	Anti-Friction		M353WTAL11F-C	216	96.0	4, 12	MXTWP2	\$123,946
1750	3600	4000	5811/12 USS	WP11	Sleeve		M353WTQL11F-A			4	MXTWP2	\$119,191
1750	3600	4000	5811/12 USS	WP11	Sleeve		M353WTQL11F-C			4, 12	MXTWP2	\$141,066

The weights listed above are estimated.

Please contact Toshiba for information on product availability.

Medium Voltage General Purpose Series

XT

Totally Enclosed Fan Cooled Motors

Toshiba's general purpose XT, medium voltage totally enclosed fan cooled motor offering includes our core medium voltage motor product, the Dura-Bull TX and our air-to-air cooled motor with top hat design. These motor offerings are completely customizable due to our in-house design, engineering, and manufacturing capabilities. This allows us to not only meet, but exceed your specific application requirements.

Dura-Bull TX

Toshiba's Dura-Bull TX, is designed and made in Texas and offers a multitude of features and options allowing you to customize the motor to your needs. Designed for indoor or outdoor use, its rugged, total cast iron construction, high torque, high efficiency, and unique multi-mount capability make the Dura-Bull the perfect choice for tough applications, where reliability and durability are essential for minimizing down time and maximizing production. Whether your need includes copper or die-cast aluminum rotors, anti-friction, or sleeve bearings, the Dura-Bull TX can provide the solution.



Air-to-Air Cooled Motor with Top Hat Design

The high efficiency top hat design Totally Enclosed Air-to-Air Cooled (TEAAC) motor allows for higher horsepower capability. Designed for indoor and outdoor use, this motor series offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry --leading to a longer life and greater reliability.



Standard Features:

- Totally Enclosed Fan Cooled
- High Efficiency
- 2300/4160 or 4000 V, Three-Phase, 60 Hz
- 1.15 Service Factor*
- Horizontal Foot-Mounted Direct-Coupled Applications
- Class F Form-Wound Insulation
- Class B Temperature Rise at 1.0 Service Factor*
- Ingress Protection 44 or 55
- Vacuum-Pressure Impregnated System
- Cast Iron Frame, End Brackets
- Cast Iron Terminal Box on TEFC Dura-Bull TX
- Anti-Friction Ball Bearing
- Aluminum Die Cast Rotor
- Polyurea Base Grease
- 304 Stainless Steel Nameplate

Applications:

- Pumps
- Fans
- Compressors
- Conveyors
- Material Handling
- Mixers
- General Applications

Warranty:

- From Date of Manufacture: 18 Months
- From Date of Installation: 12 Months

*Except Where Noted

Totally Enclosed

Fan Cooled

High Efficiency



Toshiba’s general purpose XT, medium voltage totally enclosed fan cooled motor offering includes our core medium voltage motor product, the Dura-Bull TX and our air-to-air cooled motor with top hat design. Designed to meet the industry’s ever-increasing need for improved energy conservation and product performance, these product lines offer exceptionally high torque and a low vibration design, leading to longer life and greater reliability.

Toshiba’s medium voltage motor offerings are completely customizable due to our in-house design, engineering, and manufacturing capabilities. This allows us to not only meet, but exceed your specific application requirements.

Product Scope

Horsepower:	100 to 1250 HP
Speed:	3600, 1800, 1200, or 900 RPM
Voltage:	2300/4160, 4000 V
Enclosure:	Totally Enclosed Fan Cooled or Air-to-Air Cooled
Frame Size:	N449T through 5811/12US
Construction:	Cast Iron (Frame, End Brackets, & Main Terminal Box)
Insulation:	Class F with Class B Rise at 1.0 Service Factor
Suitable	
Environments:	Indoor or Outdoor

Special Features:

Dura-Bull TX:

- Multi-Mount Capability 5009/10/11US or 5809/10/11US
- Available in Copper Bar Rotor Construction
- Available with Sleeve Bearings
- Main T-Box Capable of F1 or F2 Field-Mounting; Top-Mount (F3) Available as Option
- Cartridge-Type Field-Replaceable Grease Outlet
- Includes:
 - Winding Stator RTDs (100 Ω; Two per Phase)
 - Space Heaters (120 V Single-Phase)
 - Provisions for Bearing RTDs
 - Provisions for Vertical Jacking Screws
 - Insulated Non-Drive-End Bearing
- Additional Options Available; See Catalog Production Modifications Section

Totally Enclosed Air-to-Air Cooled:

- Multi-Mount Capability or 5811/12US
- Available in Copper Bar Rotor Construction
- Available with Sleeve Bearings
- Additional Options Available; See Catalog Production Modifications Section

Contact Houston for availability on 6.6 KV, 60 Hz motors.

Totally Enclosed Fan Cooled High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
100	3600	2300/4000	N449TS	TEFC	Anti-Friction		1003FCAK11B-A	24 / 14	91.8	4	MXTFCM	\$39,973
100	1800	2300/4000	N449T	TEFC	Anti-Friction		1004FCAK11A-A	24 / 14	93.0		MXTFCM	\$39,357
100	1800	2300/4000	N449TS	TEFC	Anti-Friction		1004FCAK11B-A	24 / 14	93.0		MXTFCM	\$39,357
100	1200	2300/4000	N449T	TEFC	Anti-Friction		1006FCAK11A-A	25 / 15	94.1		MXTFCM	\$48,271
100	1200	2300/4000	N449TS	TEFC	Anti-Friction		1006FCAK11B-A	25 / 15	94.1		MXTFCM	\$48,271
125	3600	2300/4000	N449TS	TEFC	Anti-Friction		1253FCAK11B-A	29 / 17	92.4	4	MXTFCM	\$40,588
125	1800	2300/4000	N449T	TEFC	Anti-Friction		1254FCAK11A-A	31 / 18	93.8		MXTFCM	\$39,973
125	1800	2300/4000	N449TS	TEFC	Anti-Friction		1254FCAK11B-A	31 / 18	93.8		MXTFCM	\$39,973
125	1200	2300/4000	N449T	TEFC	Anti-Friction		1256FCAK11A-A	31 / 18	95.0		MXTFCM	\$48,895
125	1200	2300/4000	N449TS	TEFC	Anti-Friction		1256FCAK11B-A	31 / 18	95.0		MXTFCM	\$48,895
150	3600	2300/4000	N449TS	TEFC	Anti-Friction		1503FCAK11B-A	35 / 20	93.0	4	MXTFCM	\$41,486
150	1800	2300/4000	N449T	TEFC	Anti-Friction		1504FCAK11A-A	36 / 21	94.4		MXTFCM	\$41,073
150	1800	2300/4000	N449TS	TEFC	Anti-Friction		1504FCAK11B-A	36 / 21	94.4		MXTFCM	\$41,073
150	1200	2300/4000	N449T	TEFC	Anti-Friction		1506FCAK11A-A	36 / 21	95.1		MXTFCM	\$49,822
150	1200	2300/4000	N449TS	TEFC	Anti-Friction		1506FCAK11B-A	36 / 21	95.1		MXTFCM	\$49,822
200	3600	2300/4000	N449TS	TEFC	Anti-Friction		2003FCAK11B-A	45 / 27	93.7	4	MXTFCM	\$44,046
200	1800	2300/4000	N449T	TEFC	Anti-Friction		2004FCAK11A-A	47 / 27	95.0		MXTFCM	\$42,331
200	1800	2300/4000	N449TS	TEFC	Anti-Friction		2004FCAK11B-A	47 / 27	95.0		MXTFCM	\$42,331
200	1200	2300/4000	N449T	TEFC	Anti-Friction		2006FCAK11A-A	48 / 28	95.4		MXTFCM	\$51,215
200	1200	2300/4000	N449TS	TEFC	Anti-Friction		2006FCAK11B-A	48 / 28	95.4		MXTFCM	\$51,215
200	900	4000	5009/10/11 US	TEFC	Anti-Friction		2008FTAL11E-A			11	MXTFCM	\$55,428
250	3600	2300/4000	N449TS	TEFC	Anti-Friction		2503FCAK11B-A	57 / 33	94.5	4	MXTFCM	\$45,226
250	1800	2300/4000	N449T	TEFC	Anti-Friction		2504FCAK11A-A	59 / 34	95.5		MXTFCM	\$43,773
250	1800	2300/4000	N449TS	TEFC	Anti-Friction		2504FCAK11B-A	59 / 34	95.5		MXTFCM	\$43,773
250	1200	2300/4000	N449T	TEFC	Anti-Friction		2506FCAK11A-A	61 / 35	95.8		MXTFCM	\$52,582
250	1200	2300/4000	N449TS	TEFC	Anti-Friction		2506FCAK11B-A	61 / 35	95.8		MXTFCM	\$52,582
250	1200	4000	5009/10/11 US	TEFC	Anti-Friction		2506FTAL11E-A			11	MXTFCM	\$54,684
250	900	4000	5009/10/11 US	TEFC	Anti-Friction		2508FTAL11E-A			11	MXTFCM	\$55,942
300	3600	2300/4000	N449TS	TEFC	Anti-Friction		3003FCAK11B-A	69 / 40	95.1	4	MXTFCM	\$46,386
300	1800	2300/4000	N449T	TEFC	Anti-Friction		3004FCAK11A-A	71 / 41	95.8		MXTFCM	\$45,628
300	1800	2300/4000	N449TS	TEFC	Anti-Friction		3004FCAK11B-A	71 / 41	95.8		MXTFCM	\$45,628
300	1800	4000	5009/10/11 US	TEFC	Anti-Friction		3004FTAL11E-A			11	MXTFCM	\$47,804
300	1800	4000	5009/10/11 US	TEFC	Anti-Friction		3004FTAL11E-C			11, 12	MXTFCM	\$67,777
300	1800	4000	5009/10/11 US	TEFC	SLEEVE		3004FTQL11E-A			11	MXTFCM	\$64,211
300	1800	4000	5009/10/11 US	TEFC	SLEEVE		3004FTQL11E-C			11, 12	MXTFCM	\$84,184
300	1200	4000	5009/10/11 US	TEFC	Anti-Friction		3006FTAL11E-A			11	MXTFCM	\$55,460
300	1200	4000	5009/10/11 US	TEFC	Anti-Friction		3006FTAL11E-C			11, 12	MXTFCM	\$75,433
300	900	4000	5009/10/11 US	TEFC	Anti-Friction		3008FTAL11E-A			11	MXTFCM	\$58,815
350	3600	2300/4000	N449TS	TEFC	Anti-Friction		3503FCAK11B-A	83 / 48	93.7	4, 14	MXTFCM	\$47,626
350	3600	4000	5009/10/11 USS	TEFC	Anti-Friction		3503FTAL11F-A			4, 11	MXTFCM	\$49,304
350	3600	4000	5009/10/11 USS	TEFC	Anti-Friction		3503FTAL11F-C			4, 11, 12	MXTFCM	\$69,277
350	3600	4000	5009/10/11 USS	TEFC	SLEEVE		3503FTQL11F-A			4, 11	MXTFCM	\$65,711
350	3600	4000	5009/10/11 USS	TEFC	SLEEVE		3503FTQL11F-C	44	95.0	4, 11, 12	MXTFCM	\$85,684
350	1800	2300/4000	N449T	TEFC	Anti-Friction		3504FCAK11A-A	83 / 48	96.0		MXTFCM	\$46,162
350	1800	2300/4000	N449TS	TEFC	Anti-Friction		3504FCAK11B-A	83 / 48	96.0		MXTFCM	\$46,162
350	1800	4000	5009/10/11 US	TEFC	Anti-Friction		3504FTAL11E-A			11	MXTFCM	\$48,600
350	1800	4000	5009/10/11 US	TEFC	Anti-Friction		3504FTAL11E-C			11, 12	MXTFCM	\$68,573

Totally Enclosed Fan Cooled
High Efficiency



HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
350	1800	4000	5009/10/11 US	TEFC	SLEEVE		3504FTQL11E-A			11	MXTFCM	\$65,006
350	1800	4000	5009/10/11 US	TEFC	SLEEVE		3504FTQL11E-C	44	93.7	11, 12	MXTFCM	\$84,980
350	1200	4000	5009/10/11 US	TEFC	Anti-Friction		3506FTAL11E-A			11	MXTFCM	\$56,228
350	1200	4000	5009/10/11 US	TEFC	Anti-Friction		3506FTAL11E-C			11, 12	MXTFCM	\$76,202
350	900	4000	5809/10/11 US	TEFC	Anti-Friction		3508FTAL11E-A			11	MXTFCM	\$69,144
400	3600	4000	5009/10/11 USS	TEFC	Anti-Friction		4003FTAL11F-A			4, 11	MXTFCM	\$53,964
400	3600	4000	5009/10/11 USS	TEFC	Anti-Friction		4003FTAL11F-C			4, 11, 12	MXTFCM	\$73,937
400	3600	4000	5009/10/11 USS	TEFC	SLEEVE		4003FTQL11F-A			4, 11	MXTFCM	\$70,371
400	3600	4000	5009/10/11 USS	TEFC	SLEEVE		4003FTQL11F-C	50	94.4	4, 11, 12	MXTFCM	\$90,344
400	1800	4000	5009/10/11 US	TEFC	Anti-Friction		4004FTAL11E-A			11	MXTFCM	\$55,164
400	1800	4000	5009/10/11 US	TEFC	Anti-Friction		4004FTAL11E-C			11, 12	MXTFCM	\$75,137
400	1800	4000	5009/10/11 US	TEFC	SLEEVE		4004FTQL11E-A			11	MXTFCM	\$71,571
400	1800	4000	5009/10/11 US	TEFC	SLEEVE		4004FTQL11E-C	50	94.1	11, 12	MXTFCM	\$91,544
400	1200	4000	5009/10/11 US	TEFC	Anti-Friction		4006FTAL11E-A			11	MXTFCM	\$58,282
400	1200	4000	5009/10/11 US	TEFC	Anti-Friction		4006FTAL11E-C			11, 12	MXTFCM	\$78,255
400	900	4000	5809/10/11 US	TEFC	Anti-Friction		4008FTAL11E-A			11	MXTFCM	\$72,760
450	3600	4000	5009/10/11 USS	TEFC	Anti-Friction		4503FTAL11F-A			4, 11	MXTFCM	\$55,773
450	3600	4000	5009/10/11 USS	TEFC	Anti-Friction		4503FTAL11F-C			4, 11, 12	MXTFCM	\$75,746
450	3600	4000	5009/10/11 USS	TEFC	SLEEVE		4503FTQL11F-A			4, 11	MXTFCM	\$72,180
450	3600	4000	5009/10/11 USS	TEFC	SLEEVE		4503FTQL11F-C	56	94.6	4, 11, 12	MXTFCM	\$92,153
450	1800	4000	5009/10/11 US	TEFC	Anti-Friction		4504FTAL11E-A			11	MXTFCM	\$58,435
450	1800	4000	5009/10/11 US	TEFC	Anti-Friction		4504FTAL11E-C			11, 12	MXTFCM	\$78,408
450	1800	4000	5009/10/11 US	TEFC	SLEEVE		4504FTQL11E-A			11	MXTFCM	\$74,842
450	1800	4000	5009/10/11 US	TEFC	SLEEVE		4504FTQL11E-C	56	94.1	11, 12	MXTFCM	\$94,815
450	1200	4000	5009/10/11 US	TEFC	Anti-Friction		4506FTAL11E-A			11	MXTFCM	\$62,973
450	1200	4000	5009/10/11 US	TEFC	Anti-Friction		4506FTAL11E-C			11, 12	MXTFCM	\$84,344
450	900	4000	5809/10/11 US	TEFC	Anti-Friction		4508FTAL11E-A			11	MXTFCM	\$75,402
450	900	4000	5811/12 US	TEAAC	Anti-Friction		4508TCAL11E-A	68	93.6	15	MXTAAM	\$101,688
450	900	4000	5811/12 US	TEAAC	Anti-Friction		4508TCAL11E-C	63	93.9	12, 15	MXTAAM	\$123,564
500	3600	4000	5809/10/11 USS	TEFC	Anti-Friction		5003FTAL11F-A			4, 11	MXTFCM	\$69,084
500	3600	4000	5809/10/11 USS	TEFC	Anti-Friction		5003FTAL11F-C			4, 11, 12	MXTFCM	\$90,960
500	3600	4000	5809/10/11 USS	TEFC	SLEEVE		5003FTQL11F-A			4, 11	MXTFCM	\$86,204
500	3600	4000	5809/10/11 USS	TEFC	SLEEVE		5003FTQL11F-C	62	94.9	4, 11, 12	MXTFCM	\$108,080
500	1800	4000	5009/10/11 US	TEFC	Anti-Friction		5004FTAL11E-A			11	MXTFCM	\$60,851
500	1800	4000	5009/10/11 US	TEFC	Anti-Friction		5004FTAL11E-C			11, 12	MXTFCM	\$80,824
500	1800	4000	5009/10/11 US	TEFC	SLEEVE		5004FTQL11E-A			11	MXTFCM	\$77,257
500	1800	4000	5009/10/11 US	TEFC	SLEEVE		5004FTQL11E-C	62	94.4	11, 12	MXTFCM	\$97,231
500	1200	4000	5809/10/11 US	TEFC	Anti-Friction		5006FTAL11E-A			11	MXTFCM	\$71,351
500	1200	4000	5809/10/11 US	TEFC	Anti-Friction		5006FTAL11E-C			11, 12	MXTFCM	\$94,757
500	900	4000	5809/10/11 US	TEFC	Anti-Friction		5008FTAL11E-A			11	MXTFCM	\$81,586
500	900	4000	5811/12 US	TEAAC	Anti-Friction		5008TCAL11E-A	75	93.6	15	MXTAAM	\$102,066
500	900	4000	5811/12 US	TEAAC	Anti-Friction		5008TCAL11E-C	70	94.3	12, 15	MXTAAM	\$123,942
600	3600	4000	5809/10/11 USS	TEFC	Anti-Friction		6003FTAL11F-A			4, 11	MXTFCM	\$72,302
600	3600	4000	5809/10/11 USS	TEFC	Anti-Friction		6003FTAL11F-C			4, 11, 12	MXTFCM	\$94,177
600	3600	4000	5809/10/11 USS	TEFC	SLEEVE		6003FTQL11F-A			4, 11	MXTFCM	\$89,422
600	3600	4000	5809/10/11 USS	TEFC	SLEEVE		6003FTQL11F-C	74	95.0	4, 11, 12	MXTFCM	\$111,297
600	1800	4000	5809/10/11 US	TEFC	Anti-Friction		6004FTAL11E-A			11	MXTFCM	\$74,451

Totally Enclosed Fan Cooled High Efficiency



XT

HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
600	1800	4000	5809/10/11 US	TEFC	Anti-Friction		6004FTAL11E-C			11, 12	MXTFCM	\$96,326
600	1800	4000	5809/10/11 US	TEFC	SLEEVE		6004FTQL11E-A			11	MXTFCM	\$91,571
600	1800	4000	5809/10/11 US	TEFC	SLEEVE		6004FTQL11E-C	76	94.9	11, 12	MXTFCM	\$113,446
600	1200	4000	5809/10/11 US	TEFC	Anti-Friction		6006FTAL11E-A			11	MXTFCM	\$80,311
600	1200	4000	5811/12 US	TEAAC	Anti-Friction		6006TCAL11E-A	85	93.6	15	MXTAAM	\$103,511
600	1200	4000	5811/12 US	TEAAC	Anti-Friction		6006TCAL11E-C	80	94.1	12, 15	MXTAAM	\$125,386
600	900	4000	5811/12 US	TEAAC	Anti-Friction		6008TCAL11E-A	89	93.9	15	MXTAAM	\$103,917
600	900	4000	5811/12 US	TEAAC	Anti-Friction		6008TCAL11E-C	83	94.3	12, 15	MXTAAM	\$125,793
700	3600	4000	5811/12 USS	TEAAC	Anti-Friction		7003TCAL11F-A	89	94.9	4, 15	MXTAAM	\$87,595
700	3600	4000	5811/12 USS	TEAAC	Anti-Friction		7003TCAL11F-C			4,12,15	MXTAAM	\$109,471
700	3600	4000	5811/12 USS	TEAAC	SLEEVE		7003TCQL11F-A	89	94.0	4, 15	MXTAAM	\$104,715
700	3600	4000	5811/12 USS	TEAAC	SLEEVE		7003TCQL11F-C	87	94.3	4,12,15	MXTAAM	\$126,591
700	1800	4000	5809/10/11 US	TEFC	Anti-Friction		7004FTAL11E-A			11	MXTFCM	\$81,775
700	1800	4000	5809/10/11 US	TEFC	Anti-Friction		7004FTAL11E-C			11, 12	MXTFCM	\$103,651
700	1800	4000	5809/10/11 US	TEFC	SLEEVE		7004FTQL11E-A			11	MXTFCM	\$98,895
700	1800	4000	5809/10/11 US	TEFC	SLEEVE		7004FTQL11E-C	88	94.7	11, 12	MXTFCM	\$120,771
700	1800	4000	5811/12 US	TEAAC	Anti-Friction		7005TCAL11E-A	90	94.6	4, 15	MXTAAM	\$99,528
700	1800	4000	5811/12 US	TEAAC	Anti-Friction		7005TCAL11E-C	89	94.6	4,12,15	MXTAAM	\$121,404
700	1800	4000	5811/12 US	TEAAC	SLEEVE		7005TCQL11E-A	90	94.6	4, 15	MXTAAM	\$116,648
700	1800	4000	5811/12 US	TEAAC	SLEEVE		7005TCQL11E-C	89	94.5	4,12,15	MXTAAM	\$138,524
700	1200	4000	5809/10/11 US	TEFC	Anti-Friction		7006FTAL11E-A			11	MXTFCM	\$84,913
700	1200	4000	5811/12 US	TEAAC	Anti-Friction		7006TCAL11E-A	100	93.9	15	MXTAAM	\$108,288
700	1200	4000	5811/12 US	TEAAC	Anti-Friction		7006TCAL11E-C	93	94.2	12, 15	MXTAAM	\$130,164
800	3600	4000	5811/12 USS	TEAAC	Anti-Friction		8003TCAL11F-A	101	95.1	4, 15	MXTAAM	\$90,071
800	3600	4000	5811/12 USS	TEAAC	Anti-Friction		8003TCAL11F-C			4,12,15	MXTAAM	\$111,946
800	3600	4000	5811/12 USS	TEAAC	SLEEVE		8003TCQL11F-A	101	94.3	4, 15	MXTAAM	\$107,191
800	3600	4000	5811/12 USS	TEAAC	SLEEVE		8003TCQL11F-C	99	94.7	4,12,15	MXTAAM	\$129,066
800	1800	4000	5809/10/11 US	TEFC	Anti-Friction		8004FTAL11E-A			11	MXTFCM	\$83,657
800	1800	4000	5809/10/11 US	TEFC	Anti-Friction		8004FTAL11E-C			11, 12	MXTFCM	\$105,533
800	1800	4000	5809/10/11 US	TEFC	SLEEVE		8004FTQL11E-A			11	MXTFCM	\$100,777
800	1800	4000	5809/10/11 US	TEFC	SLEEVE		8004FTQL11E-C	100	95.0	11, 12	MXTFCM	\$122,653
800	1800	4000	5811/12 US	TEAAC	Anti-Friction		8005TCAL11E-A	105	94.8	4, 15	MXTAAM	\$101,128
800	1800	4000	5811/12 US	TEAAC	Anti-Friction		8005TCAL11E-C	101	95.1	4,12,15	MXTAAM	\$123,004
800	1800	4000	5811/12 US	TEAAC	SLEEVE		8005TCQL11E-A	105	94.8	4, 15	MXTAAM	\$118,248
800	1800	4000	5811/12 US	TEAAC	SLEEVE		8005TCQL11E-C	101	95.0	4,12,15	MXTAAM	\$140,124
900	3600	4000	5811/12 USS	TEAAC	Anti-Friction		9003TCAL11F-A	113	95.3	4, 15	MXTAAM	\$96,762
900	3600	4000	5811/12 USS	TEAAC	Anti-Friction		9003TCAL11F-C			4,12,15	MXTAAM	\$118,637
900	3600	4000	5811/12 USS	TEAAC	SLEEVE		9003TCQL11F-A	113	94.6	4, 15	MXTAAM	\$113,882
900	3600	4000	5811/12 USS	TEAAC	SLEEVE		9003TCQL11F-C	111	94.9	4,12,15	MXTAAM	\$135,757
900	1800	4000	5811/12 US	TEAAC	Anti-Friction		9005TCAL11E-A	115	95.0	4, 15	MXTAAM	\$102,586
900	1800	4000	5811/12 US	TEAAC	Anti-Friction		9005TCAL11E-C	114	95.2	4,12,15	MXTAAM	\$124,462
900	1800	4000	5811/12 US	TEAAC	SLEEVE		9005TCQL11E-A	115	95.0	4, 15	MXTAAM	\$119,706
900	1800	4000	5811/12 US	TEAAC	SLEEVE		9005TCQL11E-C	114	95.1	4,12,15	MXTAAM	\$141,582
1000	3600	4000	5811/12 USS	TEAAC	Anti-Friction		M203TCAL11F-A	125	95.5	4, 15	MXTAAM	\$110,135
1000	3600	4000	5811/12 USS	TEAAC	Anti-Friction		M203TCAL11F-C			4,12,15	MXTAAM	\$132,011
1000	3600	4000	5811/12 USS	TEAAC	SLEEVE		M203TCQL11F-A	125	94.9	4, 15	MXTAAM	\$127,255
1000	3600	4000	5811/12 USS	TEAAC	SLEEVE		M203TCQL11F-C	122	95.2	4,12,15	MXTAAM	\$149,131

Totally Enclosed Fan Cooled
High Efficiency



HP	Speed (RPM)	Volts	Frame	Enclosure	Bearing	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol	List Price
1000	1800	4000	5811/12 US	TEAAC	Anti-Friction		M205TCAL11E-A	130	95.0	4, 15	MXTAAM	\$114,313
1000	1800	4000	5811/12 US	TEAAC	Anti-Friction		M205TCAL11E-C	127	95.5	4,12,15	MXTAAM	\$136,188
1000	1800	4000	5811/12 US	TEAAC	SLEEVE		M205TCQL11E-A	130	95.0	4, 15	MXTAAM	\$131,433
1000	1800	4000	5811/12 US	TEAAC	SLEEVE		M205TCQL11E-C	127	95.4	4,12,15	MXTAAM	\$153,308
1250	3600	4000	5811/12 USS	TEAAC	Anti-Friction		M253TCAL11F-A	155	95.8	4, 15	MXTAAM	\$116,413
1250	3600	4000	5811/12 USS	TEAAC	Anti-Friction		M253TCAL11F-C			4,12,15	MXTAAM	\$138,288
1250	3600	4000	5811/12 USS	TEAAC	SLEEVE		M253TCQL11F-A	155	95.3	4, 15	MXTAAM	\$133,533
1250	3600	4000	5811/12 USS	TEAAC	SLEEVE		M253TCQL11F-C	152	95.5	4,12,15	MXTAAM	\$155,408

The weights listed above are estimated.
Please contact Toshiba for information on product availability.

Stock Modification Listing

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Discount Symbol: **MMP001 – For Low Voltage Motors**
MMP002 – For Medium Voltage Motors

This section requires that the below listed handling charge be added to each motor that is to be modified in addition to the requested modifications.

Option		Handling Charge
Series		XT & CT
Smart Code		N/A
Frame	143/145	\$241
	182/184	\$241
	213/215	\$284
	254/256	\$284
	284/286	\$383
	324/326	\$383
	364/365	\$438
	404/405	\$438
	444/445	\$602
	447	\$602
	449/500	\$602
	5000/5800	\$766

Modifications from this section should be added to the appropriate motor list price and the above handling charge to generate a total list price for the motor. Apply the applicable discount/multiplier from discount symbol MMP001 or MMP002 to arrive at a net each price. This will be the production/modified multiplier associated with the account pricing.

Auxiliary Terminal Box

Termination of protective or monitoring devices can be provided in a separate auxiliary box (280 frame and larger) or a conduit mounted off the main terminal box (250T frames and below). All auxiliary boxes will be mounted on the same side as the main terminal box unless specified otherwise.

Auxiliary Terminal Box

Option		Condulet
Series		CT & XT
Smart Code		GE
Frame	143/145	\$383
	182/184	\$383
	213/215	\$383
	254/256	\$383
	284/286	—
	324/326	—
	364/365	—
	404/405	—
	444/445	—
	447	—
	449/500	—
	5000/5800	—

Location

All motors are provided with the main terminal box in the F1 position, with the exception of oil well pump motors that have the main box located in the F2 position. For conduit box location in the F2 position see adder below.

Option		F2 (Stock Modifications)	
Series		CT	XT
Smart Code		N/A	GB/GD
Frame	143/145	\$65	\$65
	182/184	\$65	\$65
	213/215	\$95	\$95
	254/256	\$95	\$95
	284/286	\$110	\$110
	324/326	\$110	\$110
	364/365	\$165	\$165
	404/405	\$220	—
	444/445	\$330	—
	447	\$330	—
	449/500	—	—
	5000/5800	—	—

Special Notes:

- Not all motors are field-modifiable to F2 assembly.
- See applications section for F2 field modifiability.
- Contact factory for availability.

Remote-Mount Conduit Box

For applications requiring that the conduit box be located away from the motor, Toshiba is able to supply a remote-mount conduit box. The conduit box will be supplied with the main motor, but it will arrive unfastened. The remote-mount conduit box includes a main terminal box and a threaded mounting plate.

Option		Steel Conduit Box	Cast Iron Conduit Box
Series		XT	XT
Smart Code		N/A	N/A
Frame	143/145	\$123	\$219
	182/184	\$123	\$219
	213/215	\$149	\$273
	254/256	\$149	\$273
	284/286	\$219	\$438
	324/326	\$219	\$438
	364/365	\$328	\$656
	404/405	\$328	\$656
	444/445	\$602	\$1,094
	447	\$602	\$1,094
	449/500	\$656	\$1,313
	5000/5800	\$875	\$1,750

Special Notes:
• Adders above are not available on explosion proof product.

Couplings & Sheaves Mounted

Couplings and V-belt sheaves must be supplied (finished bored, balanced, and key-seated) to Toshiba’s shaft dimensions before they can be mounted to the motor. An incoming identification number must be obtained from Toshiba, and coupling must be shipped at least three weeks in advance before scheduled motor shipment and must include the manufacturer’s mounting instructions.

Option		Customer-Supplied Sheave/Coupling
Series		CT & XT
Smart Code		N/A
Frame	143/145	\$656
	182/184	\$656
	213/215	\$766
	254/256	\$875
	284/286	\$875
	324/326	\$875
	364/365	\$984
	404/405	\$984
	444/445	\$1,094
	447	\$1,203
	449/500	\$1,313
	5000/5800	\$1,313

Special Notes:
• Incoming parts without a proper Toshiba identification number will not be accepted and will be instead returned to sender.

Drains & Breathers

Standard horizontally-mounted totally enclosed fan cooled and open motors are provided with drain holes. Drain holes are located at the lowest point on the motor.

Breathers

Option		Standard Breather (1 & 4)	UL Stainless Breather (2 & 4)	Standard Breather Conduit Box (3)
Series		CT & XT	CT & XT	CT & XT
Smart Code		JA	JB	JG
Frame	143/145	\$219	\$273	\$273
	182/184	\$219	\$273	\$273
	213/215	\$219	\$273	\$273
	254/256	\$328	\$383	\$383
	284/286	\$328	\$383	\$383
	324/326	\$328	\$383	\$383
	364/365	\$328	\$438	\$438
	404/405	\$328	\$438	\$438
	444/445	\$328	\$438	\$438
	447	\$328	\$438	\$438
	449/500	\$328	\$438	\$438
	5000/5800	\$328	\$438	\$438

(1) EQPIII-840 and EQPIII-841 motors have dual tapped holes fitted with automatic bronze drain and breathers as standard.

(2) Explosion proof motors have UL listed stainless steel drain and breathers as standard (for horizontal-mounting only).

(3) Standard and stainless breathers are available for cast conduit boxes only (not available on explosion proof motors).

(4) This adder is not available on rolled steel frame motors.

Special Notes

- Additional breathers are not available on explosion proof product.

Additional Drain Holes

Option		Drain Hole	Drain Hole Conduit Box (1)
Series		CT & XT	CT & XT
Smart Code		JC	JJ
Frame	143/145	\$131	\$131
	182/184	\$131	\$131
	213/215	\$131	\$131
	254/256	\$131	\$131
	284/286	\$131	\$131
	324/326	\$131	\$131
	364/365	\$131	\$131
	404/405	\$131	\$131
	444/445	\$131	\$131
	447	\$131	\$131
	449/500	\$131	\$131
	5000/5800	\$131	\$131

(1) Conduit box drain holes are available on cast conduit boxes only.

Special Notes:

- Above adders not available on explosion proof product.

Drip Covers

Drip covers can be furnished on standard motors for extra protection from dripping liquids and falling objects when the motor is mounted in the vertical shaft-down position. Standard drip covers are of fabricated steel 1/8" with no lip. Severe duty drip covers are of fabricated steel 3/8" with lip.

Option		Steel Drip Cover (Standard Duty)	Steel Drip Cover (Severe Duty)
Series		XT	XT
Smart Code		GX	GY
Frame	143/145	\$328	\$394
	182/184	\$438	\$525
	213/215	\$438	\$525
	254/256	\$438	\$525
	284/286	\$613	\$735
	324/326	\$766	\$919
	364/365	\$831	\$998
	404/405	\$875	\$1,050
	444/445	\$941	\$1,129
	447	\$941	\$1,129
	449/500	\$941	\$1,129
	5000/5800	—	—

Special Notes:

- Adders above are not available on explosion proof product.
- The drip cover adder does not include vertical lifting provisions.
- If lifting provisions are required, the motor becomes a production motor. See "Production" modifications section.

Textile Cover

Textile covers are available for totally enclosed fan cooled enclosure applications prone to lint and fibers entering the fan cover's air inlets.

Option		Textile Cover
Series		XT
Smart Code		GZ
Frame	143/145	\$328
	182/184	\$438
	213/215	\$438
	254/256	\$438
	284/286	\$613
	324/326	\$766
	364/365	\$831
	404/405	\$875
	444/445	\$941
	447	\$941
	449/500	\$941
	5000/5800	—

Special Notes:

- Adders above are not available on explosion proof product.

Enclosures

This section refers to additional specifications used to define the motor's enclosure. These adders may be required in order to provide a necessary additional degree of protection for normal operation in certain environments.

Marine Duty

Marine Duty IEEE 45 must be incorporated into an EQPIII-840 or EQPIII-841 base motor. Please see adders below.

Option		IEEE45 (1)	IEEE45 (2)
Series		XT	XT
Smart Code		OB	A2
Frame	143/145	\$383	\$131
	182/184	\$383	\$131
	213/215	\$405	\$131
	254/256	\$438	\$131
	284/286	\$645	\$131
	324/326	\$700	\$131
	364/365	\$853	\$131
	404/405	\$1,083	\$131
	444/445	\$1,291	\$131
	447	\$1,542	\$131
	449/500	\$1,542	\$131
	5000/5800	\$1,914	\$131

(1) In above-deck applications the adder includes space heaters with leads terminating in main terminal box and tropicalization in accordance with IEEE 45 requirements.

*EQPIII-840 280 frame and below will require the addition of the labyrinth seals on both ends.

(2) In below-deck applications only the name plate changes.

All Cast Iron Construction

All cast iron construction adders on totally enclosed motors will include the following cast iron features: frame, brackets, fan cover, and conduit box.

Option		All Cast Iron Construction
Series		CT & XT
Smart Code		FN
Frame	143/145	\$197
	182/184	\$241
	213/215	\$306
	254/256	\$394
	284/286	\$569
	324/326	\$656
	364/365	\$1,061
	404/405	\$1,400
	444/445	\$2,188
	447	\$3,281
	449/500	\$3,828 (1)
	5000/5800	\$3,828 (1)

(1) Heavy-gage fabricated steel is used for fan cover in frame sizes above N449T.

Special Notes:

- This is standard construction on all 840 and all 841 motors, and totally enclosed explosion proof product.

Export Crating

Toshiba provides packaging options for different shipping requirements. Options include standard commercial packaging (for common, below-deck transport on ships) and containerized shipping. Both options are available at a net price of 8% of the motor's total sell price or a minimum of \$350, whichever is greater.

Flange-Mounting

Flanges can be ordered through production are also available as kits. See the “Parts” section of the catalog for information.

Open Drip Proof Motors

Option		C-Face Footed
Series		XT
Smart Code		FA
Frame	143/145	—
	182/184	—
	213/215	\$295 (1)
	254/256	\$295 (1)
	284/286	\$438
	324/326	\$481
	364/365	\$875
	404/405	\$1,094
	444/445	\$1,586
	447	\$1,695
	449/500	—
	5000/5800	—

(1) Motors do not meet NEMA BA dimensions (NEMA BA dimension are available on 210 & 250 frames as production motors when specified).

Totally Enclosed Fan Cooled Motors

Option		C-Face Footed
Series		CT & XT
Smart Code		FA
Frame	143/145	\$109 (1)
	182/184	\$131 (1)
	213/215	\$175
	254/256	\$263
	284/286	\$438
	324/326	\$492
	364/365	\$820
	404/405	\$1,148
	444/445	\$1,477
	447	\$1,477
	449/500	\$1,641
	5000/5800	\$1,859

(1) Motors do not meet NEMA BA dimensions (NEMA BA dimension are available on 140 and 180 frames as production motors when specified).

Totally Enclosed Explosion Proof

Option		C-Face Footed
Series		XT
Smart Code		FA
Frame	143/145	\$241 (1)
	182/184	\$273 (1)
	213/215	\$328 (1)
	254/256	\$438 (1)
	284/286	\$766
	324/326	\$875
	364/365	\$984
	404/405	—
	444/445	—
	447	—
	449/500	—
	5000/5800	—

(1) Motors do not meet NEMA BA dimensions.

Grounding Provisions

All motor frames 140T-N5810U have CSA clamp type-grounding lug in the conduit box. All EQPIII-840 and EQPIII-841 motors are provided with a UL approved clamp type-grounding lug in the conduit box.

External Grounding Provisions on Motor Frame (Foot)

All EQPIII-841 motors have, as standard, an additional grounding provision on the motor base. The grounding provisions on the motor base are 1/2"-20 tap for frames 140T through 250T, and 3/8"-16 tap on frames 280T and larger.

Option		Foot Grounding
Series		XT
Smart Code		LC/LD
Frame	143/145	\$219
	182/184	\$219
	213/215	\$219
	254/256	\$219
	284/286	\$219
	324/326	\$219
	364/365	\$219
	404/405	\$219
	444/445	\$219
	447	\$219
	449/500	\$219
	5000/5800	\$219

External Grounding Pad to Motor Frame

Apply the adder below for a special ground pad with two holes mounted on the motor frame. When placing the order, the hole and tap size must be provided.

Option		Frame Grounding
Series		XT
Smart Code		LE/LF
Frame	143/145	—
	182/184	—
	213/215	—
	254/256	—
	284/286	—
	324/326	\$1,641
	364/365	\$1,641
	404/405	\$1,641
	444/445	\$1,641
	447	\$1,641
	449/500	\$1,641
	5000/5800	\$1,641

Special Notes:

- Adders above are not available on explosion proof product.

Insulation Modifications

Insulation systems are divided into classes according to the thermal endurance by temperature rating. Standard motor insulation comes non-hygroscopic Class F (utilizing Class H components) and is dipped and baked in a Class H varnish. Unusual or severe applications may require special insulation systems or winding protection.

Internal Coating for Extreme Service Operation

This adder provides additional insulation coating as well as corrosion protection for all internal machined surfaces.

Option		SD Coating
Series		CT & XT
Smart Code		CF
Frame	143/145	\$164
	182/184	\$164
	213/215	\$219
	254/256	\$328
	284/286	\$547
	324/326	\$766
	364/365	\$875
	404/405	\$1,203
	444/445	\$1,641
	447	\$2,406
	449/500	\$2,406
	5000/5800	\$2,734

Special Notes:
• This comes standard on all 840 and all 841 motors.

Tropicalize/Fungus-Proof Windings

Unwanted fungi may over time break down a motor’s insulation system. The addition of the tropicalize/fungus-proof adder will protect motor windings from this type of problem.

Option		Tropicalize/Fungus-Proof Windings
Series		CT & XT
Smart Code		CH
Frame	143/145	\$109
	182/184	\$109
	213/215	\$164
	254/256	\$219
	284/286	\$328
	324/326	\$438
	364/365	\$547
	404/405	\$711
	444/445	\$930
	447	\$1,203
	449/500	\$1,203
	5000/5800	\$1,531

Epoxy Coating on Motor Windings

This adder provides additional protection against corrosive and/or humid environments.

Option		Epoxy Coating on Motor Windings
Series		CT & XT
Smart Code		CJ
Frame	143/145	\$164
	182/184	\$164
	213/215	\$219
	254/256	\$328
	284/286	\$547
	324/326	\$766
	364/365	\$875
	404/405	\$1,203
	444/445	\$1,641
	447	\$2,406
	449/500	\$2,406
	5000/5800	\$2,734

Leads Length/Lead Terminals

Crimp-type lead lugs/ring terminals come standard on motors as follows:

- All 280 Frame Motors and Larger
- 210 Frame and Larger on EQPIII-840 Product
- All 841 Motors

Crimp Terminals

Option		Crimp Terminals
Series		CT & XT
Smart Code		CT
Frame	143/145	\$109
	182/184	\$109
	213/215	\$153
	254/256	\$153
	284/286	—
	324/326	—
	364/365	—
	404/405	—
	444/445	—
	447	—
	449/500	—
	5000/5800	—

Burndy Lugs/Two-Hole Terminals

Option		Burndy Terminals
Series		XT
Smart Code		CT
Frame	143/145	\$580
	182/184	\$580
	213/215	\$744
	254/256	\$744
	284/286	\$744
	324/326	\$744
	364/365	\$744
	404/405	\$744
	444/445	\$744
	447	\$744
	449/500	\$744
	5000/5800	\$744

Nameplate(s)

Standard nameplates are 304-grade stainless steel with engraved lettering. Additional nameplates for remote-mounting and special markings are available. For requests other than what is listed below contact Toshiba.

Duplicate or Special Nameplate

Option		Re-Namplate	Duplicate Nameplate	Special ID Tag
Series		CT & XT	CT & XT	CT & XT
Smart Code		A1, A2	A3	A4
Frame	143/145	\$131	\$131	\$131
	182/184	\$131	\$131	\$131
	213/215	\$131	\$131	\$131
	254/256	\$131	\$131	\$131
	284/286	\$131	\$131	\$131
	324/326	\$131	\$131	\$131
	364/365	\$131	\$131	\$131
	404/405	\$131	\$131	\$131
	444/445	\$131	\$131	\$131
	447	\$131	\$131	\$131
	449/500	\$131	\$131	\$131
	5000/5800	\$131	\$131	\$131

Screens

Corrosion resistant screens covering air inlets and outlets of open drip proof motors are available. Motors equipped with screens will meet the NEMA guarded definition.

Screens to an Open Drip Proof Motor

Option		Corrosion-Resistant	Stainless Steel
Series		XT	
Smart Code		JM	JN
Frame	143/145	\$219	\$273
	182/184	\$273	\$328
	213/215	\$306	\$361
	254/256	\$361	\$416
	284/286	\$383	\$438
	324/326	\$438	\$547
	364/365	\$547	\$766
	404/405	\$766	\$1,094
	444/445	\$820	\$1,203
	447	\$875	\$1,258
	449/500	\$875	\$1,258
	5000/5800	\$1,094	\$1,641

Special Notes:
• Screens come standard on oil well pump motors.

Space Heaters

Space heaters are strip-type heaters mounted inside the frame near the coils to prevent moisture condensation in the motor during times the motor is not energized. Heater leads are brought out to the motor's main conduit box and marked H1 and H2. Standard heater voltage is 120 V single-phase unless otherwise specified.

Option		Standard Space Heaters
Series		HH
Smart Code		CT & XT
Frame	143/145	\$328
	182/184	\$328
	213/215	\$328
	254/256	\$328
	284/286	\$481
	324/326	\$481
	364/365	\$580
	404/405	\$700
	444/445	\$831
	447	\$941
	449/500	\$941
	5000/5800	\$1,148

Special Notes:

- Adders above are not available on explosion proof product.

Terminal Blocks

Insulated stud-type terminal blocks/strips can be provided for single voltage, single speed applications in the standard conduit box.

Option		Terminal Block (1)	Terminal Strip (2)
Series		XT	XT
Smart Code		GR	N/A
Frame	143/145	\$339	\$219
	182/184	\$339	\$219
	213/215	\$339	\$219
	254/256	\$339	\$219
	284/286	\$405	\$219
	324/326	\$733	\$219
	364/365	\$733	\$219
	404/405	\$733	\$219
	444/445	\$1,444	\$219
	447	\$1,444	\$219
	449/500	(3)	\$219
	5000/5800	(3)	\$219

(1) This adder refers to power leads only.

(2) This adder refers to accessory leads only.

(3) Please contact Toshiba for pricing information on this adder.

Special Notes:

- Adders above are not available on explosion proof product.

Testing

Toshiba motors are tested in compliance with IEEE Std. 112 to meet NEMA MG1 requirements. Test reports and optional testing are available for each individual motor. Duplicates/copies of standard routine test reports are available. Please contact Toshiba for scheduling/coordination for witness testing requirements.

All Prices Net Per Motor

Option		Routine, Unwitnessed (Report Only)	Routine, Witnessed	Complete, Unwitnessed	Complete, Witnessed	Noise, Unwitnessed (1)	Noise, Witnessed (1)	Vibration	Insulation Resistance	Polarization Index
Series		CT & XT	CT & XT	CT & XT	CT & XT	CT & XT	CT & XT	CT & XT	CT & XT	CT & XT
Smart Code										
Frame	143/145	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$350	\$500
	182/184	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$350	\$500
	213/215	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$350	\$500
	254/256	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$400	\$550
	284/286	\$30	\$500	\$1,450	\$1,750	\$800	\$1,200	\$800	\$400	\$550
	324/326	\$30	\$500	\$1,700	\$2,000	\$800	\$1,200	\$800	\$450	\$600
	364/365	\$30	\$750	\$1,950	\$2,250	\$800	\$1,200	\$800	\$450	\$600
	404/405	\$30	\$750	\$2,200	\$2,500	\$800	\$1,200	\$800	\$500	\$650
	444/445	\$30	\$750	\$2,450	\$2,750	\$1,000	\$1,500	\$1,000	\$500	\$650
	447	\$30	\$750	\$2,450	\$2,750	\$1,000	\$1,500	\$1,000	\$550	\$700
	449/500	\$30	\$1,000	\$3,200	\$3,500	\$1,200	\$1,500	\$1,000	\$550	\$700
	5000/5800	\$30	\$1,000	\$3,200	\$3,500	\$1,200	\$1,500	\$1,000	\$550	\$700

(1) Noise test consists of overall sound pressure values/readings only. For octave band measurements, contact Toshiba.

Thermal Protection

Toshiba provides a wide variety of protective devices which are available as follows.

Thermostats (Klixons)

Toshiba’s standard offering includes a normally-closed (NC), bi-metallic, temperature actuated element mounted on the stator winding. Leads are marked P1 and P2. Termination of the leads is in the main conduit box. Special thermostats are available upon request. Contact Toshiba for pricing and availability.

Option		Klixons-NC (1)
Series		DB
Smart Code		CT & XT
Frame	143/145	\$164
	182/184	\$164
	213/215	\$164
	254/256	\$164
	284/286	\$164
	324/326	\$230
	364/365	\$230
	404/405	\$328
	444/445	\$328
	447	\$405
	449/500	\$405
	5000/5800	\$438

(1) Division 2 environments require the use of hermetically-sealed thermostats. This is available as production only.

Winding PTC Thermistors

Non-linear resistance temperature detectors are mounted on the motor winding. This thermal protection consists of three thermistors only or three thermistors with a solid state control relay. The provided control relay is intended for mounting in a remote location.

Option		Mark A (PTC) Thermistor	Mark A (PTC) Thermistor & Module
Series		XT	XT
Smart Code		DE	DF
Frame	143/145	\$328	\$1,367
	182/184	\$328	\$1,367
	213/215	\$328	\$1,367
	254/256	\$328	\$1,367
	284/286	\$328	\$1,367
	324/326	\$328	\$1,367
	364/365	\$328	\$1,367
	404/405	\$328	\$1,367
	444/445	\$328	\$1,367
	447	\$328	\$1,367
	449/500	\$328	\$1,367
	5000/5800	\$328	\$1,367

Special Notes:

- Adders above are not available on explosion proof product.

Production Modification Listing*

* Production modifications not applicable to EQP Global motors
140 through 360 frame (use EQPIII Series base price for these frame sizes.)

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Discount Symbol: **MMP001 – For Low Voltage Motors**
 MMP002 – For Medium Voltage Motors

Modifications from this section should be added to the appropriate motor list price to generate a total list price for the motor. Apply the applicable discount/multiplier from discount symbol MMP001 or MMP002 to arrive at a net each price.

Altitude

Standard designs are built for operation up to 3300 ft. (1000 m) above sea level at a maximum ambient of 40°C.

Option		3301' to 9900'	Over 9900'
Series		XT	
Smart Code		—	
Frame	143/145	\$142	Contact Toshiba
	182/184	\$142	
	213/215	\$186	
	254/256	\$230	
	284/286	\$306	
	324/326	\$405	
	364/365	\$525	
	404/405	\$755	
	444/445	\$1,061	
	447	\$2,406	
	449/500	\$2,953	
	5000/5800	\$2,953	

Special Notes:

- Altitudes over 3300 ft. may affect frame size. Please contact Toshiba to confirm.

Ambient Temperature

Toshiba motors are designed to operate in an ambient temperature range between -25° and +40°C. For operation in temperatures above or below the standard, refer to chart below.

Option		-40° to -60°C (2)	-25° to -39°C	41° to 60°C	61° to 90°C (1 & 2)	91° to 115°C (1 & 2)
Series		XT				
Smart Code		AA	—	AD	AE	AF
Frame	143/145	Contact Toshiba	\$142	\$142	\$284	Contact Toshiba
	182/184		\$142	\$142	\$284	
	213/215		\$186	\$186	\$284	
	254/256		\$230	\$230	\$372	
	284/286		\$306	\$306	\$656	
	324/326		\$405	\$405	\$809	
	364/365		\$525	\$525	\$1,039	
	404/405		\$755	\$755	\$1,498	
	444/445		\$1,061	\$1,061	\$2,122	
	447		\$2,406	\$2,406	\$2,625	
	449/500		\$2,953	\$2,953	\$3,281	
	5000/5800		\$2,953	\$2,953	\$4,375	

(1) This applies to open drip proof motors only. Contact Toshiba for totally enclosed fan cooled motors.
 (2) Not available on explosion proof motors.

Special Notes:

- Non-standard ambient temperatures may affect frame size and insulation class. Please contact Toshiba to confirm.

Balance/Vibration

All Toshiba motors are dynamically balanced and measured in accordance with NEMA MG1 standards unless otherwise specified by the design. Toshiba motors all have a standard vibration level of 0.12 inches/second. See adder below for vibration levels lower than the Toshiba standard.

Option		Precision 0.08 in/sec. (1,2)	Precision 0.04 in/sec. (3, 4)	Special Balance Requirements
Series		XT		
Smart Code		MB	MC	ME
Frame	143/145	\$284	\$438	Contact Toshiba
	182/184	\$284	\$438	
	213/215	\$284	\$438	
	254/256	\$328	\$492	
	284/286	\$328	\$492	
	324/326	\$383	\$602	
	364/365	\$383	\$820	
	404/405	\$492	\$1,203	
	444/445	\$492	\$1,641	
	447	\$930	\$2,188	
	449/500	\$930 (5)	\$2,734 (5)	
	5000/5800	\$984 (5)	\$3,281 (5)	

(1) This vibration level is standard on all 840 products through 447 frame.

(2) This vibration level is standard on all 841 products.

(3) This vibration level is not available on Toshiba P-Base products. This precision level of vibration is not available for motors with roller bearings.

(4) This vibration level is not available on medium voltage product.

(5) Contact Toshiba for 3600 RPM (2-pole motors).

Bases (Adjustable)

See "Spare Parts" section for pricing.

Bearings

Special bearings and designs are available on a production basis. Standard bearings can be changed for specific application requirements. The following list additions apply.

Sealed/Shielded Bearings

Open and totally enclosed general-purpose motors on 250T frame and smaller contain shielded or sealed-type, non-regreasable bearings as standard. Contact Toshiba to determine actual stock design bearing information.

Option		Sealed Bearings
Series		XT
Smart Code		KN
Frame	143/145	\$219
	182/184	\$219
	213/215	\$273
	254/256	\$273
	284/286	\$328
	324/326	\$328
	364/365	\$514
	404/405	\$820
	444/445	\$875
	447	—
	449/500	—
	5000/5800	—

Special Notes:

• Bearings are lubed for life and cannot be regreased.

• Sealed bearings come standard on all 140 to 250 frame motors, except for all 841 products.

Sleeve Bearings

See "Medium Voltage" pricing section for available sleeve bearing motors.

Insulated Bearings

Insulated bearings are typically applied in applications where shaft current concerns exist (i.e. applications involving the use of adjustable speed drives). Insulating the bearings helps to prevent electrical arcing (bearing fluting) and potential premature bearing failure.

Pricing below is for insulating the bearings on both end bells.

Option		Insulating Ball Bearings	Insulating Roller (1)
Series		XT	
Smart Code		KP	—
Frame	143/145	\$1,641	—
	182/184	\$1,750	—
	213/215	\$2,188	—
	254/256	\$2,734	—
	284/286	\$2,953	—
	324/326	\$3,172	—
	364/365	\$3,281	—
	404/405	\$3,609	—
	444/445	\$3,938	5907
	447	\$3,938	5907
	449/500	\$4,375 (2)	6562
	5000/5800	\$6,016 (2)	(1)

(1) Contact Toshiba for price and availability.
(2) Contact Toshiba for sleeve bearing motors.

- Special Notes:
- Insulating the bearings is recommended when shaft voltage exceeds 300 mV.
 - It is up to the user to determine when insulated bearings are required, especially with the use of inverter-fed control. NEMA MG1 Part 31 suggests insulating the bearing(s) on all motors in 500 series frames and larger when inverter-fed.
 - Toshiba suggests insulating both bearings on all frame sizes 440 and larger, when used with adjustable speed drives.
 - When insulated bearings are used on direct-coupled applications, the use of an insulated coupling and/or a shaft grounding brush is required in order to reduce the risk of driven equipment bearing damage. Grounding brushes are not suitable for Division 2 environments.
 - Insulated bearings are not available on angular contact bearing construction.
 - If bearing thermal devices are required with insulated bearings, a special version of the thermal device will be required. Contact Toshiba for the availability and price of this thermal device.

Regreasable or Locked Bearings

Regreasable and locked bearings come standard in all 280T frame and larger motors.

Option		Regreasable (1)	Locked (2)
Series		XT	
Smart Code		KM	KG
Frame	143/145	\$164	\$164
	182/184	\$164	\$164
	213/215	\$219	\$219
	254/256	\$219	\$219
	284/286	Toshiba Standard	Toshiba Standard
	324/326		
	364/365		
	404/405		
	444/445		
	447		
	449/500		
	5000/5800		

(1) This comes standard on all 841 motors.
(2) This comes standard on 210 frame and larger on all 840 motors, and is standard on all 841 motors.

- Special Notes:
- Adders above are not available on explosion proof product.
 - If special end-play tolerances with bearing lock nuts are required, contact Toshiba for pricing.

Changing from Ball Bearings to Roller Bearings

Cylindrical roller bearings are used in horizontal motors where high radial loads are present for an improved L-10 life, i.e. belted applications.

Option		LV Roller Bearings	MV Roller Bearings
Series		XT	XT
Smart Code		KD	—
Frame	143/145	—	—
	182/184	—	—
	213/215	—	—
	254/256	\$325	—
	284/286	\$425	—
	324/326	\$470	—
	364/365	\$500	—
	404/405	\$550	—
	444/445	(1)	—
	447	(1)	—
	449/500	(1)	2180
	5000/5800	(1)	3566

(1) See motor price guide section for roller bearing motors.

Special Notes:

- Motors can go from a roller bearing to a ball bearing at no charge, but this must be specified when the order is placed.
 - a) This is applicable only for 1800 RPM motors and slower.
 - b) Roller bearing requests require that full belting/application details be provided prior to order acceptance.

Blowers

Toshiba XT motors are suitable for use with inverter-fed controllers. Turndown capability is a function of the product selected. See individual product page for specific information. When turndown requirements exceed product capability, the use of an auxiliary blower is required. Contact Toshiba for help with determining whether a blower is required for an application.

The National Electrical Code 430.126 (b) mandates that motors with external force-ventilation have a form of thermal protection. See thermal protection section for the addition of thermal protection. This addition is not included in the blower adder.

Option		Blower (1)
Series		XT
Smart Code		NQ
Frame	143/145	\$1,148
	182/184	\$1,203
	213/215	\$1,488
	254/256	\$1,641
	284/286	\$2,023
	324/326	\$2,352
	364/365	\$3,052
	404/405	\$3,609
	444/445	\$3,773
	447	\$3,773
	449/500	\$3,938
	5000/5800	\$6,016

(1) Contact Toshiba for blower availability on medium voltage motors.

Special Notes:

- Adders above are not available on explosion proof product.
- Blower Standard Voltages as Follows:
 - 140 through 280T Frame ----- Single-Phase 218 to 290 V & Three-Phase 209 to 340/361 to 603 V
 - 320 through N449T Frame ----- Three-Phase 230 to 330/400 to 575 V
 - 500 Frame & Larger ----- Three-Phase 460 or 575 V (Specify at Time of Order)
- On 320 frame motors and larger, blowers cannot operate on line voltages over 575 V. Contact Toshiba for applications requiring line voltages over 575 V.
- Contact Toshiba for availability in Division 2 applications.

Brakes

Toshiba offers a brake motor series, in up to 280 frame, to cover applications with brake needs. Please see the Definite Purpose, Brake Motor section of the catalog. For brake motors above this please contact Toshiba for availability.

Special Notes:

- The Brake Motor is not available in totally enclosed explosion proof, totally enclosed blower cooled, or open drip poof designs.

CE Approval

CE approved motors are available on select ratings. Contact Toshiba for information.

Conduit Box Modifications

Standard Toshiba main conduit box on all motors are located in the F1 position, with the exception of oil well pump motors that have the main box located in the F2 position.

Cast Iron Main Box

Cast iron conduit boxes come standard on all Explosion Proof, EQPIII-840, EQPIII-841, all EQP Global, and all medium voltage motor products. Cast iron conduit boxes also come standard on 360T frame and larger quarry duty products.

Option		Cast Iron Main Box
Series		XT
Smart Code		GC/GD
Frame	143/145	\$123
	182/184	\$123
	213/215	\$149
	254/256	\$149
	284/286	\$219
	324/326	\$219
	364/365	\$328
	404/405	\$328
	444/445	\$602
	447	\$602
	449/500	\$656
	5000/5800	\$1,094

Auxiliary Terminal Box

Termination of protective or monitoring devices can be provided in a separate auxiliary box (280 frame and larger) or a conduit mounted off the main terminal box (250T frames and below). All auxiliary boxes are mounted on the same side as the main terminal box unless otherwise specified.

Series		XT		
Option		Condulet	Aux. Steel Box	Aux. Cast Iron Box
Smart Code		GE	GH/GJ	GK/GL
Frame	143/145	\$383	—	—
	182/184	\$383	—	—
	213/215	\$383	—	—
	254/256	\$383	—	—
	284/286	—	\$645	\$766
	324/326	—	\$645	\$766
	364/365	—	\$645	\$766
	404/405	—	\$645	\$766
	444/445	—	\$645	\$766
	447	—	\$645	\$766
	449/500	—	\$645	\$766
	5000/5800	—	\$645	\$766

Special Notes:

- Adders above are not available on explosion proof product.
- Auxiliary conduit box is provided as standard with stator RTD adder on all motors.
- Auxiliary conduit box is provided as standard on medium voltage motors with space heaters.

Location

All motors are provided with the main terminal box in the F1 position, with the exception of oil well pump motors that have the main box located in the F2 position. For conduit box location in the F2 position see adder below.

Option		F2 (Production)	F3 (Top-Mount)
Series		XT	XT
Smart Code		—	—
Frame	143/145	\$66	Contact Toshiba
	182/184	\$66	
	213/215	\$98	
	254/256	\$98	
	284/286	\$109	
	324/326	\$109	
	364/365	\$164	
	404/405	—	
	444/445	—	
	447	—	
	449/500	—	
	5000/5800	—	

Special Notes:

- Not all motors are field-modifiable to F2 assembly.
- See applications section for F2 field-modifiability.

Remote-Mount Conduit Box

For applications requiring that the conduit box be located away from the motor, Toshiba is able to supply a remote-mount conduit box. The conduit box will be supplied with the main motor, but will arrive unfastened. The remote-mount conduit box includes a main terminal box and a threaded mounting plate.

Option		Steel	Cast Iron
Series		XT	
Smart Code		—	—
Frame	143/145	\$123	\$219
	182/184	\$123	\$219
	213/215	\$149	\$273
	254/256	\$149	\$273
	284/286	\$219	\$438
	324/326	\$219	\$438
	364/365	\$328	\$656
	404/405	\$328	\$656
	444/445	\$602	\$1,094
	447	\$602	\$1,094
	449/500	\$656	\$1,313
	5000/5800	\$875	\$1,750

Special Notes:

- Adders above are not available on explosion proof product.

Connections

For various motor connections (Y-delta, part-winding, etc.) see “Starting/Connection” modifications section.

Copper Bar Rotor Design

See “Medium Voltage” pricing section for information on availability.

Couplings & Sheaves Mounted

Couplings and V-belt sheaves must be supplied (finished bored, balanced, and key-seated) to Toshiba’s shaft dimensions before they can be mounted to a motor. An incoming identification number must be obtained from Toshiba, and coupling must be shipped at least three weeks in advance before scheduled motor shipment, and must include manufacturer’s mounting instructions.

Option		Customer Supplied Sheave/Coupling
Series		XT
Smart Code		—
Frame	143/145	\$656
	182/184	\$656
	213/215	\$766
	254/256	\$875
	284/286	\$875
	324/326	\$875
	364/365	\$984
	404/405	\$984
	444/445	\$1,500
	447	\$2,100
	449/500	\$2,600
	5000/5800	\$2,750

Special Notes:

- Incoming parts without a proper Toshiba identification number will not be accepted and will be returned to sender.

Current Transformers

See “Surge Protection” modifications section.

Design C Torque

See “Torque” modifications section.

Documentation

See “Software” modifications section.

Dowel Pin Provisions

Dowel pin holes will be provided on two diagonal feet. These are provided to ensure motor alignment is maintained after the motor is installed. This feature comes standard on totally enclosed fan cooled 5011 and 5811 frame low voltage motors and medium voltage Dura-Bull TX motors.

Option		2 Per Motor
Series		XT
Smart Code		MP
Frame	143/145	\$547
	182/184	\$547
	213/215	\$547
	254/256	\$656
	284/286	\$656
	324/326	\$766
	364/365	\$766
	404/405	\$930
	444/445	\$930
	447	\$984
	449/500	\$1,094
	5000/5800	\$1,313

Special Notes:

- If four holes are required, one on each motor foot, double the above adder.

Drains & Breathers

Standard horizontally-mounted totally enclosed fan cooled and open motors are provided with drain holes. Drain holes are located at the lowest point on the motor.

Drain Holes

For additional drain hole(s) see adder below.

Option		Drain Hole	Drain Hole Conduit Box (1)	Stainless T-Drain	Stainless T-Drain Conduit Box (1)
Series		XT			
Smart Code		JC	JJ	—	—
Frame	143/145	\$131	\$131	\$219	\$219
	182/184	\$131	\$131	\$219	\$219
	213/215	\$131	\$131	\$219	\$219
	254/256	\$131	\$131	\$328	\$328
	284/286	\$131	\$131	\$328	\$328
	324/326	\$131	\$131	\$328	\$328
	364/365	\$131	\$131	\$328	\$328
	404/405	\$131	\$131	\$328	\$328
	444/445	\$131	\$131	\$328	\$328
	447	\$131	\$131	\$328	\$328
	449/500	\$131	\$131	\$328	\$328
	5000/5800	\$131	\$131	\$328	\$328

(1) Conduit box drain holes are available on cast conduit boxes only.

Special Notes:

• Adders above are not available on explosion proof product.

Breathers

To request breather(s) be added to a motor, see adder below.

Option		Std Breather (1)	UL Stainless Breather (2)	Std Breather Conduit Box (3)
Series		XT		
Smart Code		JA	JB	JG
Frame	143/145	\$219	\$273	\$273
	182/184	\$219	\$273	\$273
	213/215	\$219	\$273	\$273
	254/256	\$328	\$383	\$383
	284/286	\$328	\$383	\$383
	324/326	\$328	\$383	\$383
	364/365	\$328	\$438	\$438
	404/405	\$328	\$438	\$438
	444/445	\$328	\$438	\$438
	447	\$328	\$438	\$438
	449/500	\$328	\$438	\$438
	5000/5800	\$328	\$438	\$438

(1) All 840 and all 841 motors are equipped with either an automatic bronze drain and breathe or stainless steel T-drains as standard.

(2) Explosion proof motors have UL listed stainless steel drain and breathers as standard (for horizontal mounting only).

(3) Standard and stainless breathers are available for cast iron conduit boxes only (not available on explosion proof motors).

Special Notes:

• Additional breathers are not available on explosion proof product.

Drip Covers

Drip covers can be furnished on standard motors for extra protection from dripping liquids and falling objects when the motor is mounted in the vertical shaft-down position. Standard drip covers are of fabricated steel 1/8" with no lip. Severe duty drip covers are of fabricated steel 3/8" with lip.

Option		Steel - Standard		Steel - Severe Duty	
Series		XT			
Smart Code		GX		GY	
Frame	143/145	\$328		\$394	
	182/184	\$438		\$525	
	213/215	\$438		\$525	
	254/256	\$438		\$525	
	284/286	\$613		\$735	
	324/326	\$766		\$919	
	364/365	\$831		\$998	
	404/405	\$875		\$1,050	
	444/445	\$941		\$1,129	
	447	\$941		\$1,129	
	449/500	\$941		\$1,129	
	5000/5800	—		—	

Special Notes:

- Adders above are not available on explosion proof products or medium voltage motor products.
- The drip cover adder does not include vertical lifting provisions.
- If lifting provisions are required see "Vertical Lifting" modifications section.

Textile Cover

Textile covers are available for totally enclosed fan cooled enclosure applications prone to lint and fibers entering the fan cover's air inlets.

Option		Textile Cover	
Series		XT	
Smart Code		GZ	
Frame	143/145	\$328	
	182/184	\$438	
	213/215	\$438	
	254/256	\$438	
	284/286	\$613	
	324/326	\$766	
	364/365	\$831	
	404/405	\$875	
	444/445	\$941	
	447	\$941	
	449/500	\$941	
	5000/5800	—	

Special Notes:

- Adders above are not available on explosion proof product or medium voltage motor products.

Enclosures

This section refers to additional specifications used to define the motor's enclosure. These adders may be required in order to provide a necessary additional degree of protection for normal operation in certain environments.

Marine Duty

Marine Duty IEEE 45 must be incorporated into an EQPIII-840 or EQPIII-841 base motor. Please see adders below.

Option		IEEE45 (1)	IEEE45 (2)	ABS Type (3)	ABS Unit (4)
Series		XT			
Smart Code		OB	A2	—	—
Frame	143/145	\$383	Standard on EQP-840 & EQP-841 Product	\$438	Contact Toshiba
	182/184	\$383		\$438	
	213/215	\$405		\$438	
	254/256	\$438		\$438	
	284/286	\$645		\$438	
	324/326	\$700		\$438	
	364/365	\$853		\$438	
	404/405	\$1,083		\$438	
	444/445	\$1,291		\$438	
	447	\$1,542		\$438	
	449/500	\$1,542		\$438	
	5000/5800	\$1,914		—	

(1) In above-deck applications the adder includes space heaters with leads terminating in main terminal box and tropicalization in accordance with IEEE 45 requirements.

*EQPIII-840 280 frame and below will require the addition of the labyrinth seals on both ends.

(2) In below-deck applications, the EQP-840 or EQP-841 product meets requirement as standard.

(3) ABS Type Approval – Includes a new nameplate with the ABS marking. Included on this nameplate is the IEEE-45/Marine Duty stamping and the IP rating.

(4) ABS Unit Approval – Contact Toshiba for clarification, pricing, and product availability.

IP Enclosure Protection

Apply below adder to meet specified IP rating. This adder applies to totally enclosed product only.

Option		IP55 (1)
Series		XT
Smart Code		—
Frame	143/145	\$1,238
	182/184	\$1,238
	213/215	\$1,374
	254/256	\$1,593
	284/286	\$1,881
	324/326	\$1,881
	364/365	\$2,406
	404/405	\$2,406
	444/445	\$3,139
	447	\$4,014
	449/500	\$4,616
	5000/5800	\$6,038

(1) This degree of protection comes standard on all EQPIII-840 320 frame and large and all IEEE-841 motors.

Mill & Chemical Construction

See the general purpose "EQPIII-841" and "EQP Global 841" sections of the price guide for base motor product meeting this requirement.

Petro-Chemical Construction

See the general purpose "EQPIII-841" and "EQP Global 841" sections of the price guide for base motor products meeting this requirement.

Classified-Division 2/Zone 2 Locations

Environmental/application conditions may require a special motor design and special labeling of the product to ensure proper protection and/or safety during use. If an environment and/or application has been identified as a Division 2 or Zone 2 location, Toshiba requires that a Class, Group, and Temperature code (T-code) be provided to ensure safe operation in the specified atmosphere. The adder below must be applied to the EQPIII or EQP Global base motor list price of the proper frame size to meet the temperature code requirement (contact Toshiba for the correct motor sizing).

Option		Class 1 Div. 2 (1,3, 4)	Class 2 Div. 2 (2,4)
Series		XT	
Smart Code		NZ	—
Frame	143/145	\$492	\$438
	182/184	\$492	\$438
	213/215	\$525	\$438
	254/256	\$634	\$438
	284/286	\$700	\$438
	324/326	\$788	\$438
	364/365	\$875	\$438
	404/405	\$1,203	\$438
	444/445	\$1,422	\$438
	447	\$1,422	\$438
	449/500	\$1,750	\$438
	5000/5800	\$2,188	\$438

- (1) All EQP-based product is suitable for a T3 (200°C) T-code under a sine wave condition based on a 1.0 service factor. For T-code ratings below 200°C, contact Toshiba for product pricing and availability. Contact Toshiba for applications utilizing ASD control. Please note that the NEC does not require the motor to be specifically nameplated with the area classification.
- (2) This must be incorporated into an EQPIII-840, EQPIII-841, EQP Global 840, EQP Global 841, or IP54 base motor.
- (3) When starting with an EQPIII-840, EQPIII-841, EQP Global 840, or EQP Global 841 base motor, add \$200 for Class I Division II labeling for all frames.
- (4) Consult Toshiba for CSA certification.

Special Notes:

- For Division 1 applications see “Totally Enclosed Explosion Proof” section of the price guide or contact Toshiba.
- Suitability of Zone 2 application is based on the National Electric Code (NEC).

Encoders

Encoders regulate speed on motors linked to variable speed applications, and they are available either face-mounted or shaft-mounted. Toshiba’s standard offering is a BEI HS35 (shaft-mount) or Avtron M56 (face-mount). All prices below are based on Pulse Per Revolution (PPR) of 1024 single-output and dual-channel (A & B) quadrature. Encoder type must be specified upon order.

Option		NorthStar SL56 (2)	NorthStar HSD38 (1)	NorthStar HSD35 (1 & 4)	Avtron M56 (2)	Avtron M3 (1)	Avtron M4 (1)	Avtron HS35M (1)	Dynapar HS35 (1)	Dynapar HS20 (1)	BEI HS35 (1)
Series		XT									
Smart Code		O3	O3	O3	O3	O3	O3	O3	O3	O3	O2
Frame	143/145	\$3,391	\$2,406	\$3,281	\$3,391	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	182/184	\$3,391	\$2,406	\$3,281	\$3,391	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	213/215	\$3,391	\$2,406	\$3,281	\$3,391	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	254/256	\$3,391	\$2,406	\$3,281	\$3,391	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	284/286	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	324/326	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	364/365	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	404/405	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	444/445	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	447	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	449/500	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734
	5000/5800	(3)	\$2,406	\$3,281	(3)	\$4,047	\$4,813	\$2,734	\$2,734	\$2,188	\$2,734

- (1) The encoder is shaft-mounted.
- (2) The encoder is face-mounted.
- (3) Consult factory for availability and pricing.
- (4) This frame is suitable for Division 2 environments (Groups A, B, C, D, F, & G).

Special Notes:

- Adders above are not available on explosion proof product.
- Encoders are only available on totally enclosed fan cooled motors.

Export Crating

Toshiba provides packaging options for different shipping requirements. Options include standard commercial packaging (for common, below-deck transport on ships) and containerized shipping. Both options are available at a net price of 8% of the motor's total sell price or a minimum of \$350, whichever is greater.

Fan Covers

Cast Iron fan covers are available for totally enclosed fan cooled enclosures.

Option		Cast Iron Fan Cover (1)
Series		XT
Smart Code		
Frame	143/145	\$90
	182/184	\$110
	213/215	\$140
	254/256	\$180
	284/286	\$260
	324/326	\$300
	364/365	\$485
	404/405	\$640
	444/445	\$1000
	447	\$1,500
	449/500	Contact Toshiba
	5000/5800	Contact Toshiba

(1) This feature is standard on EQPIII 840, EQPIII 841, EQP Global 840, EQP Global 841 and Explosion Proof Motors.

Fans/Special

Toshiba motors come standard with high-strength, glass-reinforced fans on most ratings. Toshiba also offers other options for fan materials. Please contact Toshiba for availability and pricing.

Filters

Standard filters for Weather-Protected Type II motors are 304 stainless steel with 70 micron filtration.

WPII Motors

Option		Filters
Series		XT
Smart Code		KN
Frame	5012/5812	\$1,864

Flange-Mounting

Flanges can be ordered through production are also available as kits. See the "Spare Parts" section of the catalog for information.

Open Drip Proof Motors

Option		C-Face Footed	D-Flange Footed (1)
Series		XT	
Smart Code		FA	FD
Frame	143/145	—	—
	182/184	—	—
	213/215	\$295	—
	254/256	\$295	—
	284/286	\$438	—
	324/326	\$481	—
	364/365	\$875	\$1,695
	404/405	\$1,094	\$2,078
	444/445	\$1,586	\$2,297
	447	\$1,695	\$2,734
	449/500	—	\$2,734 (2)
	5000/5800	—	\$2,950 (3)

(1) D-flanges are available on 2-pole (3600 RPM) or 4-pole (1800 RPM) short shaft motors only.

(2) 500 frame D-flanges are available with diameters larger than those of short shaft motors. Contact Toshiba for specific availability.

(3) This applies to 5811/5812 WPI motors only.

Totally Enclosed Fan Cooled Motors

Option		C-Face Footed	C-Face Footless (1, 4)	D-Flange Footed	D-Flange Footless (1, 4)
Series		XT			
Smart Code		FA	FF	FD	FG
Frame	143/145	\$109 (2)	\$175	\$438	\$492
	182/184	\$131 (2)	\$219	\$492	\$656
	213/215	\$175	\$219	\$547	\$656
	254/256	\$263	\$350	\$875	\$984
	284/286	\$438	\$514	\$930	\$1,148
	324/326	\$492	\$678	\$1,422	\$1,641
	364/365	\$820	\$1,061	\$1,695	\$2,188
	404/405	\$1,148	\$1,586	\$2,078	\$2,570
	444/445	\$1,477	\$2,242	\$2,297	\$3,063
	447	\$1,477	\$2,242	\$2,297	\$3,063
	449	\$1,641 (5)	\$2,516 (3)	\$2,734	\$3,391 (3)
	5000/5800	\$2,200 (5)	—	\$2,953	—

- (1) These adders do not include drip covers or vertical lifting provisions.
 (2) Motors do not meet NEMA BA dimensions (NEMA BA dimensions are available on 140 and 180 frame as production motors when specified).
 (3) This option is not available on 500 frame motors, only on N449 frames.
 (4) This option is not available on medium voltage motors.
 (5) Consult Toshiba for availability on medium voltage motors.

Totally Enclosed Explosion Proof

Option		C-Face Footed
Series		XT
Smart Code		FA
Frame	143/145	\$241
	182/184	\$273
	213/215	\$328
	254/256	\$438
	284/286	\$766
	324/326	\$875
	364/365	\$984
	404/405	—
	444/445	—
	447	—
	449/500	—
	5000/5800	—

Frequency

Standard product offering is 60 Hz with re-rate capabilities to 50 Hz operation. Contact Toshiba with frequency and voltage requirements for performance and sizing. For specially-wound 50 Hz motors see price adder below.

Option		50 Hz (1)	Other
Series		XT	
Smart Code		—	—
Frame	143/145	For LV Motors: Add 15% to Base 60 Hz List Price of Same HP and Pole Speed	Contact Toshiba
	182/184		
	213/215		
	254/256		
	284/286		
	324/326	For MV Motors: Add 25% to Base 60 Hz List Price of Same HP and Pole Speed	
	364/365		
	404/405		
	444/445		
	447		
	449/500		
	5000/5800		

(1) For voltage other than 190/380, 208/415, 380, 400, 415, 440 see voltage adder for additional charge

Special Notes:
• Frame size may be affected in 50 Hz. motors. Contact Toshiba to verify frame.

Grease Fittings

Standard hydraulic, Alemite/Zerk type fittings are provided with motors with regreasable bearings. For special grease fittings and drains, contact Toshiba for pricing and availability. For grease fittings see "Regreasable Bearings" modification.

Grounding Provisions

All motor frames 140-5810 have CSA clamp type-grounding lug in the conduit box. All EQPIII-840, EQPIII-841, EQP Global 840, and EQP Global 841 motors are provided with a UL approved clamp type-grounding lug in the conduit box.

External Grounding Provisions on Motor Frame (Base)

All EQPIII-841 and EQP Global 841 motors have, as standard, an additional grounding provision on the motor base. The grounding provisions on the motor base are 1/4-20 unified inch coarse thread (UNC) for motors up to 50 HP, 3/8-16 UNC for motors above 50 HP and up to 200 HP, and 1/2-13 UNC for motors above 200 HP.

Option		Frame Grounding
Series		XT
Smart Code		LC/LD
Frame	143/145	\$219
	182/184	\$219
	213/215	\$219
	254/256	\$219
	284/286	\$219
	324/326	\$219
	364/365	\$219
	404/405	\$219
	444/445	\$219
	447	\$219
	449/500	\$219
	5000/5800	\$219

External Grounding Pad to Motor Frame

Apply the adder below for a copper ground pad with two holes mounted on the motor frame. When placing the order, the hole and tap size must be provided.

Option		Frame Grounding
Series		XT
Smart Code		LE/LF
Frame	143/145	—
	182/184	—
	213/215	—
	254/256	—
	284/286	—
	324/326	\$1,641
	364/365	\$1,641
	404/405	\$1,641
	444/445	\$1,641
	447	\$1,641
	449/500	\$1,641
	5000/5800	\$1,641

Grounding Provisions to Motor Shaft

See "Shaft Grounding" modifications section.

Hardware

Standard hardware is non-corrosive. Stainless hardware fasteners (holding brackets, conduit box, fan cover, and inner caps) are available. Toshiba standard stainless hardware is 304 unless specified otherwise.

Option		304 SS Hardware	316 SS Hardware
Series		XT	
Smart Code		KA	KA
Frame	143/145	\$328	\$438
	182/184	\$328	\$438
	213/215	\$383	\$492
	254/256	\$438	\$547
	284/286	\$438	\$547
	324/326	\$711	\$875
	364/365	\$766	\$875
	404/405	\$875	\$1,094
	444/445	\$930	\$1,148
	447	\$984	\$1,203
	449/500	\$984	\$1,313 (1)
	5000/5800	\$1,094	\$1,531 (1)

(1) Contact Toshiba for medium voltage motors and/or form-wound motors.

Special Notes:
• Adders above are not available on explosion proof product.

Insulation Modifications

Insulation systems are divided into classes according to the thermal endurance by temperature rating. Standard motor insulation comes non-hygroscopic Class F (utilizing Class H components), and is dipped and baked in a Class H varnish. Unusual or severe applications may require special insulation systems or winding protection.

Upgrade to Class H Insulation System

Option		Class H
Series		XT
Smart Code		—
Frame	143/145	\$284
	182/184	\$284
	213/215	\$284
	254/256	\$372
	284/286	\$656
	324/326	\$809
	364/365	\$1,039
	404/405	\$1,498
	444/445	\$2,122
	447	\$2,625
	449/500	\$3,281 (1)
	5000/5800	\$4,375 (1)

(1) Contact Toshiba for medium voltage and/or form wound motors.

Special Notes:
• Adders above not available on explosion proof product.
• Class-H insulation is standard on dry kiln product.

Internal Coating for Extreme Service Operation

This adder provides additional insulation coating as well as corrosion protection for all internal machined surfaces.

Option		Internal Coating
Series		XT
Smart Code		CF
Frame	143/145	\$164
	182/184	\$164
	213/215	\$219
	254/256	\$328
	284/286	\$547
	324/326	\$766
	364/365	\$875
	404/405	\$1,203
	444/445	\$1,641
	447	\$2,406
	449/500	\$2,406
	5000/5800	\$2,734

Special Notes:

- This adder comes standard on all 840 and all 841 product.

Additional Dip and Bake

Improve motor's insulation system by applying an additional dip and bake or an additional VPI process..

Option		Add Dip & Bake
Series		XT
Smart Code		CG
Frame	143/145	\$230
	182/184	\$230
	213/215	\$230
	254/256	\$306
	284/286	\$492
	324/326	\$656
	364/365	\$820
	404/405	\$1,094
	444/445	\$1,477
	447	\$1,477
	449/500	\$1,969
	5000/5800	\$2,734

Tropicalize/Fungus-Proof Windings

Unwanted fungi may over time break down a motor's insulation system. The addition of the tropicalize/fungus-proof adder will protect motor windings from this type of problem.

Option		Tropicalize/ Fungus-Proof Winding
Series		XT
Smart Code		CH
Frame	143/145	\$109
	182/184	\$109
	213/215	\$164
	254/256	\$219
	284/286	\$328
	324/326	\$438
	364/365	\$547
	404/405	\$711
	444/445	\$930
	447	\$1,203
	449/500	\$1,203
	5000/5800	\$1,531

Encapsulate Windings

The encapsulate windings adder consists of an additional epoxy resin coating on the motor winding. Protects motor internally in situations where internal components will be directly exposed to corrosive and/or humid environments.

Option		Encapsulate (1)
Series		XT
Smart Code		CI
Frame	143/145	\$656
	182/184	\$656
	213/215	\$656
	254/256	\$1,050
	284/286	\$1,214
	324/326	\$1,313
	364/365	\$1,553
	404/405	\$2,166
	444/445	\$2,964
	447	\$3,281
	449/500	Contact Toshiba
	5000/5800	

(1) List prices apply to open drip proof motors only.

Special Notes:

- Adders above are not available on explosion proof or totally enclosed fan cooled product.

Epoxy Coating on Motor Windings

This adder provides additional protection against corrosive and/or humid environments.

Option		Epoxy Coating
Series		XT
Smart Code		CJ
Frame	143/145	\$164
	182/184	\$164
	213/215	\$219
	254/256	\$328
	284/286	\$547
	324/326	\$766
	364/365	\$875
	404/405	\$1,203
	444/445	\$1,641
	447	\$2,406
	449/500	\$2,406
	5000/5800	\$2,734

Labels

See “Nameplates” section for information.

Leads Length/Lead Terminals

Crimp-Type Lead Lugs/Ring Terminals Come Standard on Motors as Follows:

1. 210 Frame and Larger on EQPIII-840 Product
2. All EQPIII-841 Motor
3. All Other 280 Frame and Larger Motors

Crimp Terminals

Option		Crimp
Series		XT
Smart Code		CT
Frame	143/145	\$109
	182/184	\$109
	213/215	\$153
	254/256	\$153
	284/286	—
	324/326	—
	364/365	—
	404/405	—
	444/445	—
	447	—
	449/500	—
	5000/5800	—

Burndy Lugs/Two-Hole Terminals

Option		Burndy
Series		XT
Smart Code		CT
Frame	143/145	\$580
	182/184	\$580
	213/215	\$744
	254/256	\$744
	284/286	\$744
	324/326	\$744
	364/365	\$744
	404/405	\$744
	444/445	\$744
	447	\$744
	449/500	\$744
	5000/5800	\$744

Longer Lead Length than Standard

Standard lead length is 6" for frames 360 and smaller, 9" for frames 400 and larger, and 12" on all EQPIII-841 motors. Prices are based on a per foot, per lead basis. Multiply the number of motor leads by the number of desired feet and then by the applicable charge below.

Option		Per Foot, Per Lead (1)
Series		XT
Smart Code		C1
Frame	143/145	\$11
	182/184	\$11
	213/215	\$11
	254/256	\$11
	284/286	\$18
	324/326	\$18
	364/365	\$22
	404/405	\$22
	444/445	\$33
	447	\$33
	449/500	\$55
	5000/5800	\$55

(1) For standard number of leads, refer to the Toshiba Installation and Maintenance Manual.

Neutral Lead (Three-Lead Plus a Neutral)

Option		Neutral Lead
Series		XT
Smart Code		CD
Frame	143/145	\$175
	182/184	\$175
	213/215	\$219
	254/256	\$273
	284/286	\$328
	324/326	\$558
	364/365	\$820
	404/405	\$1,291
	444/445	(1)
	447	(1)
	449/500	(1)
	5000/5800	(1)

(1) Contact Toshiba for availability and pricing.

Lubrication

All bearings in motors with Class F insulation will be furnished with a lubricant that is capable of operating in ambient temperatures between –25° and 65°C. Please note that it is not recommended to mix greases of different bases. The mixing of different types of thickeners may destroy the composition and physical properties of the grease.

High Temperature Grease

This adder is for applications in which the ambient temperature is greater than 65°C.

Option		High Temp. Grease
Series		XT
Smart Code		LM
Frame	143/145	\$109
	182/184	\$109
	213/215	\$109
	254/256	\$109
	284/286	\$109
	324/326	\$273
	364/365	\$273
	404/405	\$273
	444/445	\$273
	447	\$273
	449/500	\$273
	5000/5800	\$273

Low Temperature Grease

This adder is for applications in which the ambient temperature ranges from -25° to -40°C.

Option		Low Temp. Grease
Series		XT
Smart Code		LN
Frame	143/145	\$109
	182/184	\$109
	213/215	\$109
	254/256	\$109
	284/286	\$109
	324/326	\$273
	364/365	\$273
	404/405	\$273
	444/445	\$273
	447	\$273
	449/500	\$273
	5000/5800	\$273

Special-Based Grease

This adder is for applications in which the customer specifies a grease other than the Toshiba standard.

Option		Special Grease
Series		XT
Smart Code		LO
Frame	143/145	Contact Toshiba
	182/184	
	213/215	
	254/256	
	284/286	
	324/326	
	364/365	
	404/405	
	444/445	
	447	
	449/500	
	5000/5800	

Oil-Mist

Oil-mist lubrication is available on EQPIII-840 and EQPIII-841 motors only. Toshiba's EQPIII-840 and EQPIII-841 motors can be modified to accept an externally-generated oil-mist/dry sump lubrication arrangement. The type of preparation must be noted within the purchase order:

1. Oil-Mist Ready (provision for future oil mist): The bearing cavity is arranged for oil-mist, but the bearings will be packed with grease for normal operation. Should the oil-mist system be connected, Toshiba recommends that the grease be cleaned from the bearings and bearing cavities.
2. Oil-Mist Lubricated: The bearings will receive a light coat of oil for testing and shipment; however, the oil-mist system must be connected upon receipt of product.

Option		Oil-Mist Ready	Oil-Mist
Series		XT	
Smart Code		KS	KR
Frame	143/145	\$766	\$766
	182/184	\$766	\$766
	213/215	\$766	\$766
	254/256	\$875	\$875
	284/286	\$875	\$875
	324/326	\$1,094	\$1,094
	364/365	\$1,313	\$1,313
	404/405	\$1,750	\$1,750
	444/445	\$2,625	\$2,625
	447	\$3,172	\$3,172
	449/500	\$3,172	\$3,172
	5000/5800	\$3,828	\$3,828

Special Notes:

- Adders above are not available on explosion proof product.
- This adder is not available on general purpose vertical shaft down or shaft up applications.
- Oil-mist options are available on our vertical solid shaft p-base products.

Nameplates

Standard nameplates are 304-grade stainless steel with engraved lettering. Additional nameplates for remote-mounting and special markings are available.

Duplicate or Special Nameplates

For requests other than what is listed below contact Toshiba.

Option		Re-Nameplate	Duplicate Nameplate	Special ID Tag
Series		XT		
Smart Code		A1, A2	A3	A4
Frame	All Frames	\$131	\$131	\$131

Paint

The standard paint finish is a self-priming, air-dried, acrylic alkyd resin finish. Beyond the standard colors offered by Toshiba, special colors and types of paints are available upon request. For special paint requirements, full specifications and color chip/ manufacture color code will be required. Special paints requiring special application/curing equipment may not be available. Contact Toshiba with full details.

Option		Color Change Only	Special
Series		XT	
Smart Code		—	JZ
Frame	143/145	\$438	Contact Toshiba
	182/184	\$438	
	213/215	\$438	
	254/256	\$547	
	284/286	\$547	
	324/326	\$656	
	364/365	\$656	
	404/405	\$766	
	444/445	\$875	
	447	\$875	
	449/500	\$984	
	5000/5800	\$1,094	

Screens

Corrosion-resistant screens covering air inlets and outlets of open drip proof motors are available. Motors equipped with screens will meet the NEMA guarded definition.

Screens to an Open Drip Proof Motor

Option		Corrosion-Resistant	Stainless Steel	WPII - Corrosion-Resistant	WPII - Stainless Steel
Series		XT			
Smart Code		JM	JN	—	—
Frame	143/145	\$219	\$273	—	—
	182/184	\$273	\$328	—	—
	213/215	\$306	\$361	—	—
	254/256	\$361	\$416	—	—
	284/286	\$383	\$438	—	—
	324/326	\$438	\$547	—	—
	364/365	\$547	\$766	—	—
	404/405	\$766	\$1,094	—	—
	444/445	\$820	\$1,203	—	—
	447	\$875	\$1,258	—	—
	449/500	\$875	\$1,258	—	—
	5000/5800	\$1,094	\$1,641	\$1,500	\$2,500

Special Notes:
• Screens come standard on oil well pump motors.

Seals

Shaft seals are installed on the shaft at the bracket face to prevent the ingress of dirt and liquid.

Option		V-Ring Drive End (1)	V-Ring Both Ends (1)	Labyrinth Drive End (2)	Labyrinth Both Ends (2)	Taconite Drive End (3)	Taconite Both Ends (3)
Series		XT					
Smart Code		JP	—	JR	JS	—	—
Frame	143/145	\$142	\$284	\$492	\$984	\$492	\$984
	182/184	\$186	\$372	\$492	\$984	\$492	\$984
	213/215	\$186	\$372	\$547	\$1,094	\$547	\$1,094
	254/256	\$186	\$372	\$656	\$1,313	\$656	\$1,313
	284/286	\$197	\$394	\$766	\$1,531	\$766	\$1,531
	324/326	\$252	\$503	\$766	\$1,531	\$766	\$1,531
	364/365	\$252	\$503	\$984	\$1,969	\$984	\$1,969
	404/405	\$317	\$634	\$984	\$1,969	\$984	\$1,969
	444/445	\$328	\$656	\$1,203	\$2,406	\$1,203	\$2,406
	447	\$328	\$656	\$1,422	\$2,844	\$1,422	\$2,844
	449/500	\$350	\$700	\$1,531	\$3,063	\$1,531	\$3,063
	5000/5800	\$350	\$700	\$1,641	\$3,281	\$1,641	\$3,281

(1) V-Ring shaft seals come standard on the drive end of totally enclosed motors.

(2) Non-contact labyrinth seals come standard on both ends of EQP III-840, EQP Global 840, EQP III-841, and EQP Global 841 motors 320 frame and larger.

(3) The taconite construction consists of two special bronze labyrinth seals (one on each end).

Special Notes:

• Adders above are not available on explosion proof product.

Service Factor

Standard stock motors are designed for 1.15 service factor unless otherwise noted. Higher service factors are available if requested. Inquiries for service factors above 1.15 should be submitted to Toshiba for review. In certain cases a higher service factor will require an increase in frame size or a special design.

Shafts

For shafts other than the Toshiba standard, see adders below.

NEMA Double-Shaft

Option		NEMA Double-Shaft
Series		XT
Smart Code		EA
Frame	143/145	\$153
	182/184	\$153
	213/215	\$208
	254/256	\$273
	284/286	\$405
	324/326	\$591
	364/365	\$667
	404/405	\$733
	444/445	\$973
	447	\$973
	449/500	\$973 (1)
	5000/5800	—

(1) The NEMA double-shaft adder is defined up to N449 frame only. For 500 frame & larger see special shaft adder section.

NEMA TS-Shaft to NEMA T-Shaft

Option		NEMA TS to NEMA T (2-Pole Motors)
Series		XT
Smart Code		EB
Frame	284/286	\$405
	324/326	\$591
	364/365	\$667
	404/405	\$755

Special Notes:

• T-shaft, 2-pole motors are not recommended for belted applications.

NEMA TS Short Shaft

Toshiba does not charge for this modification on a production basis for direct coupled applications. Requests for this option will be subject to standard factory lead times.

Special Shaft (Non-NEMA)

Any special shafts beyond what is listed above require adders from both Table A and Table B below.

- Table A – Base Charge for Shaft
- Table B – Shaft Feature Adder

Table A – Base Adder for Special Shaft Requirement

Option		Quantity 1	Quantity 2-4	Quantity 5+
Series		XT		
Smart Code		—	—	—
Frame	143/145	\$656	\$295	\$109
	182/184	\$656	\$295	\$109
	213/215	\$766	\$295	\$109
	254/256	\$831	\$328	\$131
	284/286	\$930	\$372	\$186
	324/326	\$1,006	\$427	\$230
	364/365	\$1,192	\$481	\$273
	404/405	\$1,389	\$492	\$339
	444/445	\$1,641	\$678	\$416
	447	\$1,750	\$711	\$416
	449/500	\$1,750	\$711	\$416
	5000/5800	\$2,406	\$1,148	\$656

Table B - Shaft Features/Material

Option		304 Stainless Steel (1)	316 Stainless Steel (1)	416 Stainless Steel (2)	4142 High Carbon Steel	For each additional 5" length (3)	Drill & Tap in Shaft End	Steps – For Each Step or Reduced Dia.	Special Keyway	Threads	Tapers
Series		XT									
Smart Code		EG	EH	EK	—	—	—	—	—	—	—
Frame	143/145	\$175	\$328	\$131	\$66	\$66	\$66	\$66	\$66	\$66	\$88
	182/184	\$175	\$328	\$131	\$66	\$66	\$66	\$66	\$66	\$66	\$88
	213/215	\$372	\$711	\$273	\$98	\$98	\$98	\$98	\$98	\$98	\$109
	254/256	\$514	\$1,006	\$383	\$98	\$98	\$98	\$98	\$98	\$98	\$142
	284/286	\$766	\$1,498	\$569	\$120	\$120	\$120	\$120	\$120	\$120	\$175
	324/326	\$1,389	\$2,734	\$984	\$153	\$153	\$153	\$153	\$153	\$153	\$208
	364/365	\$1,794	\$3,588	\$1,313	\$164	\$164	\$164	\$164	\$164	\$164	\$230
	404/405	\$2,581	\$5,163	\$1,936	\$186	\$186	\$186	\$186	\$186	\$186	\$263
	444/445	\$2,767	\$5,534	\$2,078	\$219	\$219	\$219	\$219	\$219	\$219	\$295
	447	\$2,898	\$5,797	\$2,078	\$230	\$230	\$230	\$230	\$230	\$230	\$306
	449/500	\$3,063	\$6,125	\$2,188	\$230	\$230	\$230	\$230	\$230	\$230	\$306
	5000/5800	\$3,281	\$6,563	\$2,461	\$273	\$273	\$273	\$273	\$273	\$273	\$438

(1) Not available on 2-pole (3600 RPM) motors.
(2) The use of 416 stainless steel is required for 2-pole motors.
(3) For lengths greater than four times the shaft diameter, contact Toshiba for availability and pricing.

Shaft Seals

See “Seals” modification section.

Shaft Grounding Provisions

Shaft grounding provisions help to eliminate shaft currents that can be introduced into the motor through upstream controllers (ie: adjustable speed drives). These currents can potentially lead to premature failure of the bearings, commonly referred to as “fluting.”

Option		Shaft Grounding (1)
Series		XT
Smart Code		—
Frame	143/145	\$1,367
	182/184	\$1,367
	213/215	\$1,367
	254/256	\$1,367
	284/286	\$1,367
	324/326	\$1,477
	364/365	\$1,641
	404/405	\$1,805
	444/445	\$2,187
	447	\$2,187
	449/500	\$2,187
	5000/5800	\$2,734

(1) For additional or alternative protection against shaft currents see insulated bearings, under “Bearings” section.

Special Notes:

- Adders above are not available on explosion proof product.
- Insulating the bearings is recommended when the shaft voltage exceeds 300 mV.
- It is up to the user to determine when insulated bearings are required, especially with the use of an inverter-fed control. NEMA MG1 Part 31 suggests insulating the bearing(s) on all motors in 500 series frames and larger that are inverter-fed.
- Toshiba suggests insulating both bearings on all frame sizes 440 and larger, when used with adjustable speed drives.
- Where insulated bearings are used on direct coupled applications the use of insulated coupling and/or shaft grounding brush is required to reduce the risk of driven equipment bearing damage.
- * Ground brushes are not suitable for Division 2 environments.
- If bearing thermal devices are required with insulated bearings a special version of the thermal device will be required.
- Contact Toshiba for the availability and price of this thermal device.

Software: Engineering Data

Toshiba provides a variety of software for stock and production motors. The following standard Toshiba data package is available, only if specified at the time of order, at no additional charge: certified prints, nameplate data, performance data, connection diagram, instructional and maintenance manual, and spare bearings parts list.

Above data will be sent out in electronic format (pdf only). If hard copy of information is required, see the adder below. For software other than what is listed above or that is specified after time of order see table below.

Prices below are **NET** adders per option.

Software	Price
Toshiba Standard Software Package (1)	\$50
Speed Torque and Speed-Current Curve	\$50
Thermal Damage (Safe Stall Time) Curve	\$50
Performance Curve	\$50
Torsional Data (3)	\$75
Non-Standard Outline Drawing	Contact Toshiba
Certificate of Compliance	\$50
First Page of Customer Supplied Data Sheet (2)	\$30
Additional Pages of Customer Supplied Data Sheet (2)	\$15
Additional Copies of Data	\$5
Express Shipping	\$25
Other special requests	Contact Toshiba

(1) This adder applies only if it is specified after the order has been entered and acknowledged.

(2) This adder pertains to typical Toshiba performance data only.

(3) This adder will include shaft drawing, rotor assembly inertia, shaft torsional stiffness values.

Space Heaters

Space heaters are strip-type heaters mounted inside the frame near the coils to prevent moisture condensation in the motor during times the motor is not energized. Heater leads are brought out to the motor’s main conduit box on low voltage motors and to an auxiliary box on medium voltage motors, and marked H1 and H2. Standard heater voltage is 120 V single-phase unless otherwise specified.

Option		Standard	Division 2	Explosion Proof
Series		XT		
Smart Code		HH	—	—
Frame	143/145	\$328	\$634	\$634
	182/184	\$328	\$634	\$634
	213/215	\$328	\$634	\$634
	254/256	\$328	\$634	\$634
	284/286	\$481	\$952	\$952
	324/326	\$481	\$952	\$952
	364/365	\$580	\$1,148	\$1,148
	404/405	\$700	\$1,400	\$1,400
	444/445	\$831	\$1,652	\$1,652
	447	\$941	\$1,859	\$1,859
	449/500	\$941	\$1,859	\$1,859
	5000/5800	\$1,148	\$2,297	—
All MV Motors		\$1,425	\$2,850	—

Starting/Connection

Toshiba standard stock motors have various starting connections/configurations available. For special or non-standard starting requirements use the modifications below.

Option		Part Winding	Wye-Delta
Series		XT	
Smart Code		AH	AI
Frame	143/145	—	—
	182/184	—	—
	213/215	\$153	\$153
	254/256	\$208	\$208
	284/286	\$241	\$241
	324/326	\$295	\$295
	364/365	\$427	\$427
	404/405	\$667	\$667
	444/445	\$1,083	\$1,083
	447	\$1,203	\$1,203
	449/500	\$1,203 (1)	\$1,203 (1)
	5000/5800	(1)	(1)

(1) Contact Toshiba on 500 frames and larger for price and availability

Special Notes:

- This adder is not applicable on medium voltage motors.

Surge Protection

Surge protection for motors is available on 440 frames and larger.

Option		Surge Capacitors	Lightning Arrestor	Surge Protection Package	Current Transformer (1) (One Per Phase)
Series		XT			
Frame	449/500	\$4,750	\$16,700	\$20,925	\$5,900
	5000/5800	\$4,750	\$16,700	\$20,925	\$5,900

(1) Current transformers supplied with 10:1 current ratio as standard. Specify if other current ratio is desired.

Special Notes:

- This adder comes with an oversized main terminal box.

Terminal Blocks

Insulated stud-type terminal blocks/strips can be provided for single voltage, single speed applications in the standard conduit box.

Option		Terminal Block (1)	Terminal Strip (2)
Series		XT	
Smart Code		GR	—
Frame	143/145	\$339	\$219
	182/184	\$339	\$219
	213/215	\$339	\$219
	254/256	\$339	\$219
	284/286	\$405	\$219
	324/326	\$733	\$219
	364/365	\$733	\$219
	404/405	\$733	\$219
	444/445	\$1,444	\$219
	447	\$1,444	\$219
	449/500	(3)	\$219
	5000/5800	(3)	\$219

(1) This adder refers to power leads only.

(2) This adder refers to accessory leads only.

(3) Please contact Toshiba for pricing information on this adder.

Special Notes:

- Adders above are not available on explosion proof product or on medium voltage motors.

Testing

Toshiba motors are tested in compliance with IEEE Std. 112 to meet NEMA MG1 requirements. Test reports and optional testing are available for each individual motor. Duplicates/copies of standard routine test reports are available.

Please contact Toshiba for scheduling/coordination for witness testing requirements.

Prices below are **NET** adders per option.

Option		Routine, Unwitnessed (Report Only)	Routine, Witnessed	Complete, Unwitnessed	Complete, Witnessed	Noise, Unwitnessed (1)	Noise, Witnessed (1)	Vibration	Insulation Resistance	Polarization Index
Series		CT & XT								
Smart Code										
Frame	143/145	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$350	\$500
	182/184	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$350	\$500
	213/215	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$350	\$500
	254/256	\$30	\$300	\$1,350	\$1,500	\$600	\$1,000	\$600	\$400	\$550
	284/286	\$30	\$500	\$1,450	\$1,750	\$800	\$1,200	\$800	\$400	\$550
	324/326	\$30	\$500	\$1,700	\$2,000	\$800	\$1,200	\$800	\$450	\$600
	364/365	\$30	\$750	\$1,950	\$2,250	\$800	\$1,200	\$800	\$450	\$600
	404/405	\$30	\$750	\$2,200	\$2,500	\$800	\$1,200	\$800	\$500	\$650
	444/445	\$30	\$750	\$2,450	\$2,750	\$1,000	\$1,500	\$1,000	\$500	\$650
	447	\$30	\$750	\$2,450	\$2,750	\$1,000	\$1,500	\$1,000	\$550	\$700
	449/500	\$30	\$1,000	\$3,200	\$3,500	\$1,200	\$1,500	\$1,000	\$550	\$700
	5000/5800	\$30	\$1,000	\$3,200	\$3,500	\$1,200	\$1,500	\$1,000	\$550	\$700
MV Motors			\$4,700	\$5,136	\$9,120	\$1,750	\$2,800	\$1,250	\$750	\$900

(1) Noise test consists of overall sound pressure values/readings only. For octave band measurements, contact Toshiba.

Special Notes:

- For testing of more than one voltage or speed, multiply the adder above by the following.
One Additional Voltage or Speed ----- 1.50
Two Additional Voltages or Speeds ----- 2.00
Three Additional Voltages or Speeds ----- 2.50
- Contact Toshiba for additional voltages not listed below.
- Contact Toshiba for API or immersion testing on medium voltage motors.

Thermal Protection

Toshiba provides a wide variety of protective devices which are available as follows.

Thermostats (Klixons)

Toshiba’s standard offering includes a normally-closed (NC), bi-metallic, temperature actuated element mounted on the stator winding. Leads are marked P1 and P2. Termination of the leads is in the main conduit box. Special thermostats are available upon request. Contact Toshiba for pricing and availability.

Option		Klixons (NC) (2)	Klixons NO	Hermetically Sealed (1)
Series		XT		
Smart Code		DB	—	—
Frame	143/145	\$164	\$219	\$328
	182/184	\$164	\$219	\$328
	213/215	\$164	\$219	\$328
	254/256	\$164	\$219	\$328
	284/286	\$164	\$219	\$328
	324/326	\$230	\$328	\$459
	364/365	\$230	\$328	\$459
	404/405	\$328	\$438	\$656
	444/445	\$328	\$438	\$656
	447	\$405	\$547	\$809
	449/500	\$405	\$547	\$809
	5000/5800	\$438	\$656	\$875

(1) Division 2 environments require the use of hermetically-sealed thermostats.
(2) This comes standard on explosion proof and vector ready motors.

Special Notes:
• This adder is not applicable on medium voltage motors.

Winding PTC Thermistors

Non-linear resistance temperature detectors are mounted on the motor winding. This thermal protection consists of three thermistors only or three thermistors with a solid state control relay. The provided control relay is intended for mounting in a remote location.

Option		Mark A (PTC) Thermistor	Mark A (PTC) Thermistor & Module
Series		XT	
Smart Code		DE	DF
Frame	143/145	\$328	\$1,367
	182/184	\$328	\$1,367
	213/215	\$328	\$1,367
	254/256	\$328	\$1,367
	284/286	\$328	\$1,367
	324/326	\$328	\$1,367
	364/365	\$328	\$1,367
	404/405	\$328	\$1,367
	444/445	\$328	\$1,367
	447	\$328	\$1,367
	449/500	\$328	\$1,367
	5000/5800	\$328	\$1,367
	MV Motors (1)	\$975	\$2,012

(1) This adder includes auxiliary conduit.

Special Notes:
• Adders above are not available on explosion proof product.

Thermocouples

Winding (Stator) Thermocouples – A set of six (two per phase) winding thermocouples are provided and leads are terminated in a separate auxiliary conduit box . Pricing below does not include readout device(s).

Option		Stator Thermocouples "Type J"	Stator Thermocouples "Type T"	Stator Thermocouples "Type E"	Stator Thermocouples "Type K"
Series		XT			
Smart Code		DP	DQ	DR	DS
Frame	143/145	—	—	—	—
	182/184	—	—	—	—
	213/215	—	—	—	—
	254/256	\$2,625	\$2,625	\$2,625	\$2,625
	284/286	\$2,625	\$2,625	\$2,625	\$2,625
	324/326	\$2,625	\$2,625	\$2,625	\$2,625
	364/365	\$2,625	\$2,625	\$2,625	\$2,625
	404/405	\$2,625	\$2,625	\$2,625	\$2,625
	444/445	\$2,625	\$2,625	\$2,625	\$2,625
	447	\$2,625	\$2,625	\$2,625	\$2,625
	449/500	\$2,625	\$2,625	\$2,625	\$2,625
	5000/5800	\$2,625	\$2,625	\$2,625	\$2,625

Bearing Thermocouple – Pricing includes one per bearing (total of two thermocouples) with leads terminated in separate terminal housings. Pricing below does not include readout device(s).

Option		Bearing Thermocouples "Type J"	Bearing Thermocouples "Type T"	Bearing Thermocouples "Type E"	Bearing Thermocouples "Type K"
Series		XT			
Smart Code		DT	DU	DV	DW
Frame	143/145	—	—	—	—
	182/184	—	—	—	—
	213/215	—	—	—	—
	254/256	\$3,938	\$3,938	\$3,938	\$3,938
	284/286	\$3,938	\$3,938	\$3,938	\$3,938
	324/326	\$3,938	\$3,938	\$3,938	\$3,938
	364/365	\$3,938	\$3,938	\$3,938	\$3,938
	404/405	\$3,938	\$3,938	\$3,938	\$3,938
	444/445	\$3,938	\$3,938	\$3,938	\$3,938
	447	\$3,938	\$3,938	\$3,938	\$3,938
	449/500	\$3,938	\$3,938	\$3,938	\$3,938
	5000/5800	\$3,938	\$3,938	\$3,938	\$3,938

Resistance Temperature Detectors (RTDs)

Winding (Stator) RTDs - A set of six (two per phase, three leads) winding RTDs are provided with leads terminated in an auxiliary conduit box. Pricing below does not include readout device(s).

Option		Stator RTDs (Copper; 10 ohm)	Stator RTDs (Platinum; 100 ohm)	Stator RTDs (Nickel; 120 ohm)
Series		XT		
Smart Code		DJ	DK	DL
Frame	143/145	—	—	—
	182/184	—	—	—
	213/215	—	—	—
	254/256	\$4,266	\$4,266	\$4,266
	284/286	\$4,266	\$4,266	\$4,266
	324/326	\$4,266	\$4,266	\$4,266
	364/365	\$4,266	\$4,266	\$4,266
	404/405	\$4,266	\$4,266	\$4,266
	444/445	\$4,266	\$4,266	\$4,266
	447	\$4,266	\$4,266	\$4,266
	449/500	\$4,266	\$4,266	\$4,266
	5000/5800	\$4,266	\$4,266	\$4,266

Special Notes:

- Contact Toshiba for pricing on other RTD types.
- This adder is included, as standard, on medium voltage totally enclosed fan cooled Dura-Bull TX motors.
- This adder is not available on explosion proof motors.

Bearing RTDs - Pricing includes one RTD per bearing (a total of two RTDs) and a three-lead single element design with leads terminated in separate terminal housings. Pricing below does not include readout device(s).

Option		Bearing RTDs (Copper; 10 ohm)	Bearing RTDs (Platinum; 100 ohm)	Bearing RTDs (Nickel; 120 ohm)
Series		XT		
Smart Code		DM	DN	DO
Frame	143/145	—	—	—
	182/184	—	—	—
	213/215	—	—	—
	254/256	\$4,813	\$4,813	\$4,813
	284/286	\$4,813	\$4,813	\$4,813
	324/326	\$4,813	\$4,813	\$4,813
	364/365	\$4,813	\$4,813	\$4,813
	404/405	\$4,813	\$4,813	\$4,813
	444/445	\$4,813	\$4,813	\$4,813
	447	\$4,813	\$4,813	\$4,813
	449/500	\$4,813 (1)	\$4,813 (1)	\$4,813 (1)
	5000/5800	\$4,813 (1)	\$4,813 (1)	\$4,813 (1)

(1) For Dura-Bull TX™ design motors RTD adder is only \$1,450.

- Special Notes:
- Contact Toshiba for pricing on other RTD types including dual element.
 - Provisions for bearing RTDs are standard on medium voltage totally enclosed fan cooled Dura-Bull TX motors.
 - This adder is not available on explosion proof motors.

Torque

Toshiba offers standard stock NEMA Design B and NEMA Design C motors in our catalog. For other special torque requirements (ie: starting/locked rotor, pull-up and/or breakdown torque) contact Toshiba. When available, please provide speed torque curve on the driven equipment and driven equipment inertia.

Vertical Jacking Provisions

Vertical jacking is used to assist in the proper alignment of the motor shaft with the driven equipment for shimming purposes. Provisions for four jacking bolts (one per foot) are provided. Jacking bolts are to be supplied by the customer.

Option		Vertical Jacking
Series		XT
Smart Code		MO
Frame	143/145	545
	182/184	545
	213/215	650
	254/256	650
	284/286	760
	324/326	875
	364/365	875
	404/405	\$984
	444/445	\$984
	447	\$984
	449/500	\$1,203
	5000/5800	\$1,203

- Special Notes:
- This adder comes standard on medium voltage totally enclosed fan cooled Dura-Bull TX motors.

Vertical Lifting Provisions

This modification provides vertical lifting provisions for standard horizontal footless motors that are mounted vertical shaft down only.

Option		Vertical Lifting (2)
Series		XT
Smart Code		MO
Frame	143/145	\$328
	182/184	\$394
	213/215	\$394
	254/256	\$547
	284/286	\$547
	324/326	\$755
	364/365	\$755
	404/405	\$952
	444/445	\$1,050
	447	\$1,050
	449/500	\$1,203 (1)
	5000/5800	—

(1) Vertical lifting not available on 500 frame motors.

(2) Contact Toshiba for footed motors.

Special Notes:

- Above adders not available on all open drip proof or explosion proof motors, and are not available on any foot-mounted motors.
- It is recommended that if a motor is mounted vertically a drip-cover also be provided (see "Drip-Cover" section).

Vibration Detectors

These detectors are for single direction monitoring (horizontal, vertical, or axial). For total coverage of all three directions, three detectors must be provided. Monitoring direction must be specified at time of order.

Vibration Switch

Robertshaw – This adder consists of a self-contained detector and switch. A Robertshaw is an acceleration-sensitive instrument that measures peak vibratory shock at the point of measurement.

Option		Provisions Only for Robertshaw (1, 5)	Robertshaw Sensor (2, 5)	Others
Series		XT		
Smart Code		OD	O4	—
Frame	143/145	—	—	Contact Toshiba
	182/184	—	—	
	213/215	—	—	
	254/256	\$1,039	\$4,266	
	284/286	\$1,039	\$4,266	
	324/326	\$1,039	\$4,266	
	364/365	\$1,039	\$4,266	
	404/405	\$1,039	\$4,266	
	444/445	\$1,039	\$4,266	
	447	\$1,039	\$4,266	
	449/500	\$1,039	\$4,266	
	5000/5800	\$1,039	\$4,266	

(1) Provisions for mounting is based on a Robertshaw model number 366. For other sensor provisions contact Toshiba for price and availability.

(2) Standard model number offering is 366 (not suitable for Division 2 applications – Contact Toshiba for Division 2)

(3) Pricing is based on Toshiba providing a single 1"-spot face surface with a ¼"-28 drill & tapped hole, unless specified otherwise

(4) Pricing is based on Toshiba providing a single ¼"-28 drill & tapped hole, unless specified otherwise

(5) This adder is not available on explosion proof motors.

Accelerometer – For Accelerometer options please contact Toshiba.

Vibration Probe – For Vibration Probe options please contact Toshiba.

Voltage

Motors are designed to operate successfully at plus or minus ten percent (10%) rated voltage; or plus or minus five percent (5%) of rated frequency; or combined variation not to exceed ten percent (10%). For 60 hertz voltages other than 230/460, 460, 575; or 50 Hertz voltages other than 190/380, 208/415, 380, 400, 415, 440 please refer to the list adder for an applicable charge.

This adder applies to 600 volt motors or below only. Contact Toshiba for voltages above 600 that are not listed in this catalog.

Option		60 Hz	50 Hz (1)
Series		XT	
Smart Code		—	—
Frame	143/145	\$175	\$175
	182/184	\$175	\$175
	213/215	\$219	\$219
	254/256	\$273	\$273
	284/286	\$328	\$328
	324/326	\$558	\$558
	364/365	\$820	\$820
	404/405	\$1,291	\$1,291
	444/445	\$1,750	\$1,750
	447	\$2,144	\$2,144
	449/500	\$2,144	\$2,144
	5000/5800	\$2,636	\$2,636

(1) All 50 Hz motors require the addition of a 15% frequency charge (see "Frequency" section).

Windings (Special)

See "Voltage" modifications section.

Toshiba Spare Parts

This spare parts listings is applicable to low voltage motors only. Please contact Toshiba for medium voltage motor spare parts.

XT Series Spare Parts

C-Face Bracket

Series: XT		Pole Speed	Discount Symbol	ODP EPACT & EQPIII	TEFC EPACT, EQPIII, & EQP Global SD	TEFC EQPIII-840, & EQP Global 840	TEFC EQPIII-841, & EQP Global 841	TEXP
Frame	140	All	MZPart	—	\$50	\$90	\$110	\$110
	180	All	MZPart	—	\$65	\$100	\$125	\$125
	210	All	MZPart	\$80 (1)	\$80	\$125	\$150	\$150
	250	All	MZPart	\$120 (1)	\$120	\$150	\$200	\$200
	280	2P	MZPart	\$225	\$200	\$215	\$225	\$350
	280	4 to 8-Pole	MZPart	\$225	\$200	\$215	\$225	\$350
	320	2-Pole	MZPart	\$325	\$225	\$275	\$275	\$400
	320	4 to 8-Pole	MZPart	\$325	\$225	\$275	\$275	\$400
	360	2-Pole	MZPart	\$500	\$375	\$375	\$375	\$450
	360	4 to 8-Pole	MZPart	\$500	\$375	\$375	\$375	\$450
	400	2-Pole	MZPart	\$600	\$525	\$525	\$525	—
	400	4 to 8-Pole Short Shaft	MZPart	\$600	\$525	\$525	\$525	—
	400	4 to 8-Pole	MZPart	\$600	\$525	\$525	\$525	—
	440	2-Pole	MZPart	\$900	\$675	\$675	\$675	—
	440	4 to 8-Pole Short Shaft	MZPart	\$900	\$675	\$675	\$675	—
	440	4 to 8-Pole	MZPart	\$900	\$675	\$675	\$675	—
	447	2-Pole	MZPart	\$900	\$675	\$675	\$675	—
	447	4 to 8-Pole Short Shaft	MZPart	\$900	\$675	\$675	\$675	—
	447	4 to 8-Pole	MZPart	\$900	\$675	\$675	\$675	—
	449	4 to 8-Pole	MZPart	—	\$750	\$750	\$750	—
	N449	2-Pole	MZPart	—	\$750	\$750	\$750	—
	N449	4 to 8-Pole	MZPart	—	\$750	\$750	\$750	—
	500	All	MZPart	—	—	—	—	—
	5000	4 to 8-Pole Short Shaft	MZPart	—	\$750	\$750	\$750	—
	580	All	MZPart	—	—	—	—	—
	5800	4 to 8-Pole Short Shaft	MZPart	—	\$850	\$850	\$850	—

1) The flange is not interchangeable on stock product. This refers to production motor replacement part only.

- Special Notes:
- To ensure that the proper C-face is selected for the need, the motor's model and serial number must be provided at time of order.
 - All C-faces are not interchangeable with an existing product. Contact Toshiba with model and serial number of motor(s) to confirm flange interchangeability.
 - Totally enclosed explosion proof C-faces must be assembled by a UL certified service shop. Contact Toshiba for flange availability for items not listed.

D-Flange Bracket

Series: XT		Pole Speed	Discount Symbol	ODP EPACT & EQPIII	TEFC EPACT & EQPIII	TEFC EQPIII-840	TEFC EQPIII-841	TEXP
Frame	140	All	MZPart	—	\$80 (1)	\$80 (1)	\$80 (1)	—
	180	All	MZPart	—	\$125 (1)	\$125 (1)	\$125 (1)	—
	210	All	MZPart	—	\$150 (1)	\$150 (1)	\$150 (1)	—
	250	All	MZPart	—	\$225 (1)	\$225 (1)	\$225 (1)	—
	280	All	MZPart	—	\$250	\$250	\$250	—
	320	All	MZPart	—	\$400	\$400	\$400	—
	360	2-Pole	MZPart	—	\$600	\$600	\$600	—
	360	4 to 8-Pole	MZPart	—	\$600	\$600	\$600	—
	400	2-Pole	MZPart	\$725	\$725	\$725	\$725	—
	400	4 to 8-Pole	MZPart	—	\$725	\$725	\$725	—
	440	2-Pole	MZPart	\$800	\$800	\$800	\$800	—
	440	4 to 8-Pole	MZPart	—	\$800	\$800	\$800	—
	449	2-Pole	MZPart	\$1,000	—	—	—	—
	449	4 to 8-Pole	MZPart	—	—	—	—	—
	N449	2-Pole	MZPart	—	\$1,000	\$1,000	\$1,000	—
	N449	4 - 8P	MZPart	—	\$1,000	\$1,000	\$1,000	—
	500	2-Pole	MZPart	\$1,250	—	—	—	—
	500	4 to 8-Pole	MZPart	—	—	—	—	—
	5000	4 to 8-Pole Short Shaft	MZPart	—	\$1,250	\$1,250	\$1,250	—
	580	All	MZPart	—	—	—	—	—
	5800	4 to 8-Pole Short Shaft	MZPart	—	\$1,400	\$1,400	\$1,400	—
	N449	4 to 8-Pole	MZPart	—	\$750	\$750	\$750	—
	500	All	MZPart	—	—	—	—	—
	5000	4 to 8-Pole Short Shaft	MZPart	—	\$750	\$750	\$750	—
	580	All	MZPart	—	—	—	—	—
	5800	4 to 8-Pole Short Shaft	MZPart	—	\$850	\$850	\$850	—

1) The flange is not interchangeable on stock product. This refers to production motor replacement part only.

Special Notes:

- To ensure that the proper D-flange is selected for the need, the motor's model and serial number must be provided at time of order.
- All D-flanges are not interchangeable with an existing product. Contact Toshiba with model and serial number of motor(s) to confirm flange interchangeability.
- Contact Toshiba for flange availability for items not listed.

Main Terminal Box

Series: XT		Enclosure	Discount Symbol	Steel	Cast Iron
Frame	140	ODP & TEFC	MZPart	\$20	\$25
	180	ODP & TEFC	MZPart	\$20	\$40
	210	ODP & TEFC	MZPart	\$30	\$50
	250	ODP & TEFC	MZPart	\$35	\$60
	280	ODP & TEFC	MZPart	\$45	\$100
	320	ODP & TEFC	MZPart	\$60	\$100
	360	ODP & TEFC	MZPart	\$75	\$150
	400	ODP	MZPart	\$100	\$275
	400	TEFC	MZPart	\$75	\$150
	440	ODP & TEFC	MZPart	\$100	\$275
	500	ODP & TEFC	MZPart	\$150	\$300
	5000	TEFC	MZPart	\$200	\$400
	5800	TEFC	MZPart	—	\$500
	N580	ODP & TEFC	MZPart	\$200	\$500

Special Notes:

- To ensure the proper product is selected for the customer's need, the motor's model and serial number must be provided at time of order.
- All parts are not interchangeable with an existing product. Contact Toshiba with model and serial number of motor(s) to confirm part interchangeability.
- Contact Toshiba for availability of parts not listed.

Slide Base

Series: XT		Enclosure	Discount Symbol	Single Adjusting	Double Adjusting
Frame	140	ODP & TEFC	MZPart	\$45	—
	180	ODP & TEFC	MZPart	\$55	—
	210	ODP & TEFC	MZPart	\$85	—
	250	ODP & TEFC	MZPart	\$120	\$170
	280	ODP & TEFC	MZPart	\$135	\$190
	320	ODP & TEFC	MZPart	\$150	\$250
	360	ODP & TEFC	MZPart	\$200	\$275
	400	ODP & TEFC	MZPart	—	\$325
	440	ODP & TEFC	MZPart	—	\$375
	447/449	ODP & TEFC	MZPart	—	\$925
	500	ODP & TEFC	MZPart	—	\$925
	5000/580	TEFC	MZPart	—	\$1,350

- Special Notes:
- To ensure the proper product is selected for the customer's need, the motor's model and serial number must be provided at time of order.
 - All parts are not interchangeable with an existing product. Contact Toshiba with model and serial number of motor(s) to confirm part interchangeability.
 - Contact Toshiba for availability of parts not listed.

Fan Cover Guard, Drip Cover, Blower

Series: XT		Enclosure	Discount Symbol	Steel Fan Cover	Cast Iron Fan Cover	Steel Drip Cover	Blower
Frame	140	TEFC	MZPart	\$20	\$40	\$150	\$525
	180	TEFC	MZPart	\$25	\$50	\$200	\$550
	210	TEFC	MZPart	\$30	\$75	\$250	\$680
	250	TEFC	MZPart	\$50	\$100	\$300	\$750
	280	TEFC	MZPart	\$75	\$135	\$350	\$925
	320	TEFC	MZPart	\$100	\$200	\$400	\$1,075
	360	TEFC	MZPart	\$150	\$325	\$450	\$1,395
	400	TEFC	MZPart	\$275	\$450	—	\$1,650
	440	TEFC (2-Pole)	MZPart	\$450	\$1,100	—	\$1,725
	440	TEFC (4 to 8-Pole)	MZPart	\$350	\$800	—	\$1,725
	449	TEFC	MZPart	—	—	—	—
	N449	TEFC	MZPart	\$1,425	\$1,425	—	\$1,800
	500	TEFC (2-Pole)	MZPart	\$1,500	—	—	\$1,800
	500	TEFC (4 to 8-Pole)	MZPart	\$600	\$2,250	—	\$1,800
	5000	TEFC ((4 to 8-Pole)	MZPart	—	—	—	\$2,500
	5800	TEFC (4 to 8-Pole)	MZPart	—	—	—	\$3,000
	N587	TEFC (2-Pole)	MZPart	\$1,750	—	—	—
	N587	TEFC (4 to 8-Pole)	MZPart	\$1,250	\$3,100	—	—

- Special Notes:
- To ensure the proper product is selected for the customer's need, the motor's model and serial number must be provided at time of order.
 - All parts are not interchangeable with an existing product. Contact Toshiba with model and serial number of motor(s) to confirm part interchangeability.
 - Contact Toshiba for availability of parts not listed.

CT Series Spare Parts

Cast Iron Main Terminal Box

Series: CT		Pole Speed	Discount Symbol	ODP & TEFC
Frame	140	ALL	MZPart	\$20
	180	ALL	MZPart	\$30
	210	ALL	MZPart	\$40
	250	ALL	MZPart	\$50
	280	ALL	MZPart	\$70
	320	2P	MZPart	\$85
	320	4 - 6P	MZPart	\$85
	360	2P	MZPart	\$110
	360	4 - 6P	MZPart	\$110

Special Notes:

- To ensure the proper product is selected for the customer's need, the motor's model and serial number must be provided at time of order.
- Contact Toshiba for availability of parts not listed.

Cast Iron Cover Guard

Series: CT		Pole Speed	Discount Symbol	ODP & TEFC
Frame	140	TEFC	MZPart	\$35
	180	TEFC	MZPart	\$45
	210	TEFC	MZPart	\$70
	250	TEFC	MZPart	\$90
	280	TEFC	MZPart	\$125
	320	2-Pole	MZPart	\$175
	320	4 to 6-Pole	MZPart	\$175
	360	2-Pole	MZPart	\$250
	360	4 to 6-Pole	MZPart	\$250

Special Notes:

- To ensure the proper product is selected for the customer's need, the motor's model and serial number must be provided at time of order.
- Contact Toshiba for availability of parts not listed.

C-Face Bracket

Series: CT		Pole Speed	Discount Symbol	ODP & TEFC	TEFC
Frame	140	ALL	MZPart	—	\$45
	180	ALL	MZPart	—	\$60
	210	ALL	MZPart	\$60	\$75
	250	ALL	MZPart	\$90	\$110
	280	2-Pole	MZPart	\$150	\$180
	280	4 to 6-Pole	MZPart	\$150	\$180
	320	2-Pole	MZPart	\$175	\$210
	320	4 to 6-Pole	MZPart	\$175	\$210
	360	2-Pole	MZPart	\$225	\$350
	360	4 to 6-Pole	MZPart	\$225	\$350
	400	2-Pole	MZPart		\$640
	400 through 447	4 to 6-Pole	MZPart		\$720

Special Notes:

- To ensure the proper product is selected for the customer's need, the motor's model and serial number must be provided at time of order.
- Contact Toshiba for availability of parts not listed.

Appendices	Model No. Index	Spare Parts	Production Modifications	Stock Modifications	MV General Purpose XT	LV Definite Purpose XT	LV Definite Purpose CT	EQP Global	LV General Purpose XT	LV General Purpose CT
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0014DPNA21A-P	\$326	5
0014DPNC21A-P	\$326	5
0014DPSA21A-P	\$346	2
0014DPSA31A-P	\$450	7
0014DPSC21A-P	\$346	2
0014DPSC31A-P	\$450	7
0014FCNA21A-P	\$363	14
0014FCNC21A-P	\$363	14
0014FNFB32A	\$1,433	133
0014FNWB32A	\$3,012	136
0014FNWB32H	\$3,012	136
0014FNWB34A	\$3,001	138
0014FNWB34H	\$3,001	138
0014FNWC32A	\$3,012	136
0014FNWC32H	\$3,012	136
0014FNWC34A	\$3,001	138
0014FNWC34H	\$3,001	138
0014FTCA21A-P	\$391	110
0014FTCC21A-P	\$391	110
0014FTSA21A-P	\$386	11
0014FTSA22A-P	\$425	19
0014FTSA24A-P	\$444	22
0014FTSA31A-P	\$483	16
0014FTSC21A-P	\$386	11
0014FTSC22A-P	\$425	19
0014FTSC24A-P	\$444	22
0014FTSC31A-P	\$483	16
0014SDSC41A-P	\$464	82
0014SDSC47A-P	\$598	98
0014SDSR41A-P	\$464	82
0014SDSR47A-P	\$598	98
0014XDSB41A-P	\$714	95
0014XDSB42A-P	\$823	104
0014XDSC41A-P	\$714	95
0014XDSC42A-P	\$823	104
0014XPEA21A-P	\$726	26
0014XPEC21A-P	\$726	26
0014XSSB41A-P	\$552	89
0014XSSB42A-P	\$661	101
0014XSXC41A-P	\$552	89
0014XSXC42A-P	\$661	101
0016DPNA21A-P	\$427	5
0016DPNC21A-P	\$427	5
0016DPSA21A-P	\$455	2
0016DPSA31A-P	\$607	7
0016DPSC21A-P	\$455	2
0016DPSC31A-P	\$607	7

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0016FCNA21A-P	\$438	14
0016FCNC21A-P	\$438	14
0016FNWB32A	\$3,555	136
0016FNWB32H	\$3,555	136
0016FNWB34A	\$3,541	138
0016FNWB34H	\$3,541	138
0016FNWC32A	\$3,555	136
0016FNWC32H	\$3,555	136
0016FNWC34A	\$3,541	138
0016FNWC34H	\$3,541	138
0016FTCA21A-P	\$481	110
0016FTCC21A-P	\$481	110
0016FTSA21A-P	\$466	11
0016FTSA22A-P	\$513	19
0016FTSA24A-P	\$536	22
0016FTSA31A-P	\$626	16
0016FTSC21A-P	\$466	11
0016FTSC22A-P	\$513	19
0016FTSC24A-P	\$536	22
0016FTSC31A-P	\$626	16
0016SDSC41A-P	\$576	82
0016SDSC47A-P	\$716	98
0016SDSR41A-P	\$576	82
0016SDSR47A-P	\$716	98
0016XDSB41A-P	\$885	95
0016XDSB42A-P	\$994	104
0016XDSC41A-P	\$885	95
0016XDSC42A-P	\$994	104
0016XPEA21A-P	\$840	26
0016XPEC21A-P	\$840	26
0016XSSB41A-P	\$690	89
0016XSSB42A-P	\$799	101
0016XSXC41A-P	\$690	89
0016XSXC42A-P	\$799	101
0018DPSA21A	\$1,036	34
0018DPSC21A	\$1,036	34
0018FTSA21A	\$1,436	48
0018FTSC21A	\$1,436	48
0022DPNA21A-P	\$420	5
0022DPNC21A-P	\$420	5
0022DPSA21A-P	\$446	2
0022DPSA31A-P	\$590	7
0022DPSC21A-P	\$446	2
0022DPSC31A-P	\$590	7
0022FCNA21A-P	\$448	14
0022FCNC21A-P	\$448	14
0022FTSA21A-P	\$476	11

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0022FTSA22A-P	\$523	19
0022FTSA24A-P	\$547	22
0022FTSA31A-P	\$607	16
0022FTSC21A-P	\$476	11
0022FTSC22A-P	\$523	19
0022FTSC24A-P	\$547	22
0022FTSC31A-P	\$607	16
0022SDSC41A-P	\$612	82
0022SDSC47A-P	\$754	98
0022SDSR41A-P	\$612	82
0022SDSR47A-P	\$754	98
0022XDSB41A-P	\$915	95
0022XDSB42A-P	\$1,024	104
0022XDSC41A-P	\$915	95
0022XDSC42A-P	\$1,024	104
0022XPEA21A-P	\$854	26
0022XPSC21A-P	\$854	26
0022XSSB41A-P	\$695	89
0022XSSB42A-P	\$804	101
0022XSXC41A-P	\$695	89
0022XSXC42A-P	\$804	101
0024DPNA21A-P	\$393	5
0024DPNC21A-P	\$393	5
0024DPSA21A-P	\$418	2
0024DPSA31A-P	\$541	7
0024DPSC21A-P	\$418	2
0024DPSC31A-P	\$541	7
0024FCNA21A-P	\$423	14
0024FCNC21A-P	\$423	14
0024FCWB32A	\$3,894	137
0024FCWB32H	\$3,894	137
0024FCWB34A	\$3,882	139
0024FCWB34H	\$3,882	139
0024FCWC32A	\$3,894	137
0024FCWC32H	\$3,894	137
0024FCWC34A	\$3,882	139
0024FCWC34H	\$3,882	139
0024FNFB32A	\$1,552	133
0024FNWB34K	\$3,882	139
0024FNWC34K	\$3,882	139
0024FTCA21A-P	\$456	110
0024FTCC21A-P	\$456	110
0024FTSA21A-P	\$450	11
0024FTSA22A-P	\$495	19
0024FTSA24A-P	\$517	22
0024FTSA31A-P	\$603	16
0024FTSC21A-P	\$450	11

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0024FTSC22A-P	\$495	19
0024FTSC24A-P	\$517	22
0024FTSC31A-P	\$603	16
0024SDSC41A-P	\$554	82
0024SDSC47A-P	\$693	98
0024SDSR41A-P	\$554	82
0024SDSR47A-P	\$693	98
0024XDSB41A-P	\$871	95
0024XDSB42A-P	\$980	104
0024XDSC41A-P	\$871	95
0024XDSC42A-P	\$980	104
0024XPEA21A-P	\$822	26
0024XPSC21A-P	\$822	26
0024XSSB41A-P	\$675	89
0024XSSB42A-P	\$784	101
0024XSXC41A-P	\$675	89
0024XSXC42A-P	\$784	101
0026DPNA21A-P	\$487	5
0026DPNC21A-P	\$487	5
0026DPSA21A-P	\$519	2
0026DPSA31A-P	\$778	7
0026DPSC21A-P	\$519	2
0026DPSC31A-P	\$778	7
0026FCNA21A-P	\$553	14
0026FCNC21A-P	\$553	14
0026FTCA21A-P	\$650	110
0026FTCC21A-P	\$650	110
0026FTSA21A-P	\$588	11
0026FTSA22A-P	\$647	19
0026FTSA24A-P	\$677	22
0026FTSA31A-P	\$813	16
0026FTSC21A-P	\$588	11
0026FTSC22A-P	\$647	19
0026FTSC24A-P	\$677	22
0026FTSC31A-P	\$813	16
0026SDSC41A-P	\$713	82
0026SDSC47A-P	\$882	98
0026SDSR41A-P	\$713	82
0026SDSR47A-P	\$882	98
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0026XDSB42A-P	\$1,248	104
0026XDSC41A-P	\$1,117	95
0026XDSC42A-P	\$1,248	104
0026XPEA21A-P	\$1,053	26
0026XPSC21A-P	\$1,053	26
0026XSSB41A-P	\$820	89
0026XSSB42A-P	\$951	101

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0026XSSC41A-P	\$820	89
0026XSSC42A-P	\$951	101
0028DPSA21A	\$1,519	34
0028DPSC21A	\$1,519	34
0028FTSA21A	\$2,026	48
0028FTSC21A	\$2,026	48
0032DPNA21A-P	\$470	5
0032DPNC21A-P	\$470	5
0032DPSA21A-P	\$500	2
0032DPSA31A-P	\$678	7
0032DPSC21A-P	\$500	2
0032DPSC31A-P	\$678	7
0032FCNA21A-P	\$524	14
0032FCNC21A-P	\$524	14
0032FTSA21A-P	\$545	11
0032FTSA22A-P	\$600	19
0032FTSA24A-P	\$628	22
0032FTSA31A-P	\$753	16
0032FTSC21A-P	\$545	11
0032FTSC22A-P	\$600	19
0032FTSC24A-P	\$628	22
0032FTSC31A-P	\$753	16
0032FTVB1PX-A	\$2,246	143
0032FTVB3PW-A	\$2,825	141
0032FTVB3PX-A	\$2,995	145
0032SDSC41A-P	\$647	82
0032SDSC42A-P	\$813	99
0032SDSR41A-P	\$647	82
0032SDSR42A-P	\$813	99
0032XDSB41A-P	\$1,123	95
0032XDSB42A-P	\$1,254	105
0032XDSC41A-P	\$1,123	95
0032XDSC42A-P	\$1,254	105
0032XPEA21A-P	\$985	26
0032XPEC21A-P	\$985	26
0032XSSB41A-P	\$757	89
0032XSSB42A-P	\$888	101
0032XSSC41A-P	\$757	89
0032XSSC42A-P	\$888	101
0034DPNA21A-P	\$427	5
0034DPNC21A-P	\$427	5
0034DPSA21A-P	\$455	2
0034DPSA31A-P	\$568	7
0034DPSC21A-P	\$455	2
0034DPSC31A-P	\$568	7
0034FCNA21A-P	\$497	14
0034FCNC21A-P	\$497	14
0034FCWB32A	\$4,933	137
0034FCWB34A	\$4,921	139
0034FCWC32A	\$4,933	137
0034FCWC34A	\$4,921	139
0034FNFB32A	\$1,950	133
0034FNWB32A	\$4,933	137

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0034FNWB34A	\$4,921	139
0034FNWC32A	\$4,933	137
0034FNWC34A	\$4,921	139
0034FTCA21A-P	\$533	110
0034FTCC21A-P	\$533	110
0034FTSA21A-P	\$519	11
0034FTSA22A-P	\$571	19
0034FTSA24A-P	\$598	22
0034FTSA31A-P	\$675	16
0034FTSC21A-P	\$519	11
0034FTSC22A-P	\$571	19
0034FTSC24A-P	\$598	22
0034FTSC31A-P	\$675	16
0034FTVB1PX-A	\$2,201	143
0034FTVB3PW-A	\$2,768	141
0034FTVB3PX-A	\$2,935	145
0034SDSC41A-P	\$636	82
0034SDSC42A-P	\$801	99
0034SDSR41A-P	\$636	82
0034SDSR42A-P	\$801	99
0034XDSB41A-P	\$1,054	95
0034XDSB42A-P	\$1,185	105
0034XDSC41A-P	\$1,054	95
0034XDSC42A-P	\$1,185	105
0034XPEA21A-P	\$989	26
0034XPEC21A-P	\$989	26
0034XSSB41A-P	\$711	89
0034XSSB42A-P	\$842	101
0034XSSC41A-P	\$711	89
0034XSSC42A-P	\$842	101
0036DPKB11A	\$2,955	114
0036DPNA21A-P	\$677	5
0036DPNC21A-P	\$677	5
0036DPSA21A-P	\$720	2
0036DPSA31A-P	\$947	7
0036DPSC21A-P	\$720	2
0036DPSC31A-P	\$947	7
0036FCNA21A-P	\$707	14
0036FCNC21A-P	\$707	14
0036FTCA21A-P	\$849	110
0036FTCC21A-P	\$849	110
0036FTSA21A-P	\$752	11
0036FTSA22A-P	\$827	19
0036FTSA24A-P	\$864	22
0036FTSA31A-P	\$1,001	16
0036FTSC21A-P	\$752	11
0036FTSC22A-P	\$827	19
0036FTSC24A-P	\$864	22
0036FTSC31A-P	\$1,001	16
0036SDSC41A-P	\$906	82
0036SDSC42A-P	\$1,129	99
0036SDSR41A-P	\$906	82
0036SDSR42A-P	\$1,129	99

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0036XDSB41A-P	\$1,364	95
0036XDSB42A-P	\$1,539	105
0036XDSC41A-P	\$1,364	95
0036XDSC42A-P	\$1,539	105
0036XPEA21A-P	\$1,332	26
0036XPEC21A-P	\$1,332	26
0036XSSB41A-P	\$1,002	89
0036XSSB42A-P	\$1,177	102
0036XSSC41A-P	\$1,002	89
0036XSSC42A-P	\$1,177	102
0038DPSA21A	\$1,896	34
0038DPSC21A	\$1,896	34
0038FTSA21A	\$2,529	48
0038FTSC21A	\$2,529	48
0052DPNA21A-P	\$559	5
0052DPNC21A-P	\$559	5
0052DPSA21A-P	\$593	2
0052DPSA31A-P	\$802	7
0052DPSC21A-P	\$593	2
0052DPSC31A-P	\$802	7
0052FCNA21A-P	\$633	14
0052FCNC21A-P	\$633	14
0052FTSA21A-P	\$675	11
0052FTSA22A-P	\$742	19
0052FTSA24A-P	\$776	22
0052FTSA31A-P	\$881	16
0052FTSC21A-P	\$675	11
0052FTSC22A-P	\$742	19
0052FTSC24A-P	\$776	22
0052FTSC31A-P	\$881	16
0052FTVB1PX-A	\$2,900	143
0052FTVB3PW-A	\$3,649	141
0052FTVB3PX-A	\$3,867	145
0052SDSC41A-P	\$802	82
0052SDSC42A-P	\$976	99
0052SDSR41A-P	\$802	82
0052SDSR42A-P	\$976	99
0052XDSB41A-P	\$1,273	95
0052XDSB42A-P	\$1,404	105
0052XDSC41A-P	\$1,273	95
0052XDSC42A-P	\$1,404	105
0052XPEA21A-P	\$1,216	27
0052XPEC21A-P	\$1,216	27
0052XSSB41A-P	\$937	89
0052XSSB42A-P	\$1,068	102
0052XSSC41A-P	\$937	89
0052XSSC42A-P	\$1,068	102
0054DPKB11A	\$2,782	114
0054DPNA21A-P	\$506	5
0054DPNC21A-P	\$506	5
0054DPSA21A-P	\$538	2
0054DPSA31A-P	\$731	7
0054DPSC21A-P	\$538	2

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0054DPSC31A-P	\$731	7
0054FCNA21A-P	\$570	14
0054FCNC21A-P	\$570	14
0054FCWB32A	\$5,296	137
0054FCWB34A	\$5,285	139
0054FCWC32A	\$5,296	137
0054FCWC34A	\$5,285	139
0054FNFB32A	\$2,073	133
0054FTCA21A-P	\$597	110
0054FTCC21A-P	\$597	110
0054FTSA21A-P	\$605	11
0054FTSA22A-P	\$665	19
0054FTSA24A-P	\$695	22
0054FTSA31A-P	\$787	16
0054FTSC21A-P	\$605	11
0054FTSC22A-P	\$665	19
0054FTSC24A-P	\$695	22
0054FTSC31A-P	\$787	16
0054FTVB1PX-A	\$2,842	143
0054FTVB3PW-A	\$3,576	141
0054FTVB3PX-A	\$3,790	145
0054SDSC41A-P	\$726	82
0054SDSC42A-P	\$896	99
0054SDSR41A-P	\$726	82
0054SDSR42A-P	\$896	99
0054XDSB41A-P	\$1,129	95
0054XDSB42A-P	\$1,260	105
0054XDSC41A-P	\$1,129	95
0054XDSC42A-P	\$1,260	105
0054XPEA21A-P	\$1,145	27
0054XPEC21A-P	\$1,145	27
0054XSSB41A-P	\$830	89
0054XSSB42A-P	\$961	102
0054XSSC41A-P	\$830	89
0054XSSC42A-P	\$961	102
0056DPKB11A	\$3,082	114
0056DPKB41A-Y	\$3,852	115
0056DPKB41A-Z	\$4,429	116
0056DPNA21A-P	\$926	5
0056DPNC21A-P	\$926	5
0056DPPD11A-P	\$1,068	108
0056DPSA21A-P	\$984	2
0056DPSA31A-P	\$1,307	7
0056DPSC21A-P	\$984	2
0056DPSC31A-P	\$1,307	7
0056FCNA21A-P	\$1,008	14
0056FCNC21A-P	\$1,008	14
0056FTCA21A-P	\$1,090	110
0056FTCC21A-P	\$1,090	110
0056FTSA21A-P	\$1,072	11
0056FTSA22A-P	\$1,179	19
0056FTSA24A-P	\$1,233	22
0056FTSA31A-P	\$1,376	16

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0056FTSC21A-P	\$1,072	11
0056FTSC22A-P	\$1,179	20
0056FTSC24A-P	\$1,233	22
0056FTSC31A-P	\$1,376	16
0056SDSC41A-P	\$1,332	82
0056SDSC42A-P	\$1,578	99
0056SDSR41A-P	\$1,332	82
0056SDSR42A-P	\$1,578	99
0056XDSB41A-P	\$1,964	95
0056XDSB42A-P	\$2,139	105
0056XDSC41A-P	\$1,964	95
0056XDSC42A-P	\$2,139	105
0056XPEA21A-P	\$1,715	27
0056XPEC21A-P	\$1,715	27
0056XSSB41A-P	\$1,411	89
0056XSSB42A-P	\$1,586	102
0056XSSC41A-P	\$1,411	89
0056XSSC42A-P	\$1,586	102
0058DPKB11A	\$3,331	114
0058DPKB21A-Y	\$4,165	115
0058DPKB21A-Z	\$4,788	116
0058DPSA21A	\$2,621	34
0058DPSC21A	\$2,621	34
0058FTSA21A	\$3,362	48
0058FTSC21A	\$3,362	48
0102DPNA21A-P	\$881	6
0102DPNC21A-P	\$881	6
0102DPSA21A-P	\$937	3
0102DPSA31A-P	\$1,312	8
0102DPSC21A-P	\$937	3
0102DPSC31A-P	\$1,312	8
0102FCNA21A-P	\$967	15
0102FCNC21A-P	\$967	15
0102FTSA21A-P	\$1,029	12
0102FTSA22A-P	\$1,132	20
0102FTSA24A-P	\$1,183	23
0102FTSA31A-P	\$1,369	17
0102FTSC21A-P	\$1,029	12
0102FTSC22A-P	\$1,132	20
0102FTSC24A-P	\$1,183	23
0102FTSC31A-P	\$1,369	17
0102FTVB1PX-A	\$3,414	143
0102FTVB3PW-A	\$4,297	141
0102FTVB3PX-A	\$4,552	145
0102SDSC41A-P	\$1,246	82
0102SDSC42A-P	\$1,421	99
0102SDSR41A-P	\$1,246	82
0102SDSR42A-P	\$1,421	99
0102XDSB41A-P	\$1,801	95
0102XDSB42A-P	\$1,976	105
0102XDSC41A-P	\$1,801	95
0102XDSC42A-P	\$1,976	105
0102XPEA21A-P	\$1,735	27

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0102XPEC21A-P	\$1,735	27
0102XSSB41A-P	\$1,423	89
0102XSSB42A-P	\$1,598	102
0102XSSC41A-P	\$1,423	89
0102XSSC42A-P	\$1,598	102
0104DPKB11A	\$3,082	114
0104DPNA21A-P	\$866	6
0104DPNC21A-P	\$866	6
0104DPSA21A-P	\$920	3
0104DPSA31A-P	\$1,262	8
0104DPSC21A-P	\$920	3
0104DPSC31A-P	\$1,262	8
0104FCFB32A	\$2,900	133
0104FCNA21A-P	\$984	15
0104FCNC21A-P	\$984	15
0104FNFB32A	\$3,316	133
0104FTCA21A-P	\$988	111
0104FTCC21A-P	\$988	111
0104FTSA21A-P	\$1,046	12
0104FTSA22A-P	\$1,151	20
0104FTSA24A-P	\$1,203	23
0104FTSA31A-P	\$1,316	17
0104FTSC21A-P	\$1,046	12
0104FTSC22A-P	\$1,151	20
0104FTSC24A-P	\$1,203	23
0104FTSC31A-P	\$1,316	17
0104FTVB1PX-A	\$3,346	143
0104FTVB3PW-A	\$4,214	141
0104FTVB3PX-A	\$4,461	145
0104SDSC41A-P	\$1,264	82
0104SDSC42A-P	\$1,439	99
0104SDSR41A-P	\$1,264	82
0104SDSR42A-P	\$1,439	99
0104XDSB41A-P	\$1,845	95
0104XDSB42A-P	\$2,020	105
0104XDSC41A-P	\$1,845	95
0104XDSC42A-P	\$2,020	105
0104XPEA21A-P	\$1,878	27
0104XPEC21A-P	\$1,878	27
0104XSSB41A-P	\$1,418	89
0104XSSB42A-P	\$1,593	102
0104XSSC41A-P	\$1,418	89
0104XSSC42A-P	\$1,593	102
0106DPKB11A	\$3,930	114
0106DPKB41A-Y	\$4,913	115
0106DPKB41A-Z	\$5,650	116
0106DPNA21A-P	\$1,344	6
0106DPNC21A-P	\$1,344	6
0106DPPD11A-P	\$1,665	108
0106DPSA21A-P	\$1,430	3
0106DPSA31A-P	\$2,012	8
0106DPSC21A-P	\$1,430	3
0106DPSC31A-P	\$2,012	8

Model No.	Price	Page
0106FCNA21A-P	\$1,717	15
0106FCNC21A-P	\$1,717	15
0106FTCA21A-P	\$1,859	111
0106FTCC21A-P	\$1,859	111
0106FTSA21A-P	\$1,826	12
0106FTSA22A-P	\$2,008	20
0106FTSA24A-P	\$2,100	23
0106FTSA31A-P	\$2,295	17
0106FTSC21A-P	\$1,826	12
0106FTSC22A-P	\$2,008	20
0106FTSC24A-P	\$2,100	23
0106FTSC31A-P	\$2,295	17
0106SDSC41A-P	\$2,160	82
0106SDSC42A-P	\$2,423	99
0106SDSR41A-P	\$2,160	82
0106SDSR42A-P	\$2,423	99
0106XDSB41A-P	\$3,118	95
0106XDSB42A-P	\$3,381	105
0106XDSC41A-P	\$3,118	95
0106XDSC42A-P	\$3,381	105
0106XPEA21A-P	\$2,743	27
0106XPEC21A-P	\$2,743	27
0106XSSB41A-P	\$2,478	89
0106XSSB42A-P	\$2,741	102
0106XSSC41A-P	\$2,478	89
0106XSSC42A-P	\$2,741	102
0108DPKB11A	\$4,950	114
0108DPKB21A-Y	\$6,326	115
0108DPKB21A-Z	\$7,115	116
0108DPSA21A	\$3,956	34
0108DPSC21A	\$3,956	34
0108FTSA21A	\$4,953	48
0108FTSC21A	\$4,953	48
0152DPNA21A-P	\$1,207	6
0152DPNC21A-P	\$1,207	6
0152DPSA21A-P	\$1,284	3
0152DPSA31A-P	\$1,730	8
0152DPSC21A-P	\$1,284	3
0152DPSC31A-P	\$1,730	8
0152FCNA21A-P	\$1,340	15
0152FCNC21A-P	\$1,340	15
0152FTSA21A-P	\$1,427	12
0152FTSA22A-P	\$1,569	20
0152FTSA24A-P	\$1,640	23
0152FTSA31A-P	\$1,819	17
0152FTSC21A-P	\$1,427	12
0152FTSC22A-P	\$1,569	20
0152FTSC24A-P	\$1,640	23
0152FTSC31A-P	\$1,819	17
0152FTVB1PX-A	\$4,263	143
0152FTVB3PW-A	\$5,329	141
0152FTVB3PX-A	\$5,543	145
0152SDSC41A-P	\$1,714	82

Model No.	Price	Page
0152SDSC42A-P	\$1,977	99
0152SDSR41A-P	\$1,714	82
0152SDSR42A-P	\$1,977	99
0152XDSB41A-P	\$2,478	95
0152XDSB42A-P	\$2,741	105
0152XDSC41A-P	\$2,478	95
0152XDSC42A-P	\$2,741	105
0152XPEA21A-P	\$2,257	27
0152XPEC21A-P	\$2,257	27
0152XSSB41A-P	\$1,950	89
0152XSSB42A-P	\$2,213	102
0152XSSC41A-P	\$1,950	89
0152XSSC42A-P	\$2,213	102
0154DPKB11A	\$3,331	114
0154DPNA21A-P	\$1,185	6
0154DPNC21A-P	\$1,185	6
0154DPSA21A-P	\$1,260	3
0154DPSA31A-P	\$1,685	8
0154DPSC21A-P	\$1,260	3
0154DPSC31A-P	\$1,685	8
0154FCFB32A	\$3,493	133
0154FCNA21A-P	\$1,340	15
0154FCNC21A-P	\$1,340	15
0154FNFB32A	\$3,970	133
0154FTCA21A-P	\$1,424	111
0154FTCC21A-P	\$1,424	111
0154FTSA21A-P	\$1,427	12
0154FTSA22A-P	\$1,569	20
0154FTSA24A-P	\$1,640	23
0154FTSA31A-P	\$1,781	17
0154FTSC21A-P	\$1,427	12
0154FTSC22A-P	\$1,569	20
0154FTSC24A-P	\$1,640	23
0154FTSC31A-P	\$1,781	17
0154FTVB1PX-A	\$4,419	143
0154FTVB3PW-A	\$5,523	141
0154FTVB3PX-A	\$5,744	145
0154SDSC41A-P	\$1,706	82
0154SDSC42A-P	\$1,969	99
0154SDSR41A-P	\$1,706	82
0154SDSR42A-P	\$1,969	99
0154XDSB41A-P	\$2,434	95
0154XDSB42A-P	\$2,697	105
0154XDSC41A-P	\$2,434	95
0154XDSC42A-P	\$2,697	105
0154XPEA21A-P	\$2,578	27
0154XPEC21A-P	\$2,578	27
0154XSSB41A-P	\$1,870	89
0154XSSB42A-P	\$2,133	102
0154XSSC41A-P	\$1,870	89
0154XSSC42A-P	\$2,133	102
0156BCFB32A	\$7,229	133
0156DPKB11A	\$4,950	114

Model No.	Price	Page
0156DPKB41A-Y	\$6,326	115
0156DPKB41A-Z	\$7,275	116
0156DPNA21A-P	\$1,892	6
0156DPNC21A-P	\$1,892	6
0156DPPD11A-P	\$2,321	108
0156DPSA21A-P	\$2,012	3
0156DPSA31A-P	\$2,586	8
0156DPSC21A-P	\$2,012	3
0156DPSC31A-P	\$2,586	8
0156FCNA21A-P	\$2,364	15
0156FCNC21A-P	\$2,364	15
0156FTCA21A-P	\$2,546	111
0156FTCC21A-P	\$2,546	111
0156FTSA21A-P	\$2,466	12
0156FTSA22A-P	\$2,713	20
0156FTSA24A-P	\$2,835	23
0156FTSA31A-P	\$3,075	17
0156FTSC21A-P	\$2,466	12
0156FTSC22A-P	\$2,713	20
0156FTSC24A-P	\$2,835	23
0156FTSC31A-P	\$3,075	17
0156FTVB1PX-A	\$5,912	143
0156FTVB3PW-A	\$7,105	141
0156FTVB3PX-A	\$7,390	145
0156SDSC41A-P	\$3,029	83
0156SDSC42A-P	\$3,467	99
0156SDSR41A-P	\$3,029	82
0156SDSR42A-P	\$3,467	99
0156XDSB41A-P	\$4,139	95
0156XDSB42A-P	\$4,577	105
0156XDSC41A-P	\$4,139	95
0156XDSC42A-P	\$4,577	105
0156XPEA21A-P	\$3,744	27
0156XPEC21A-P	\$3,744	27
0156XSSB41A-P	\$3,293	89
0156XSSB42A-P	\$3,731	102
0156XSSC41A-P	\$3,293	90
0156XSSC42A-P	\$3,731	102
0158DPKB11A	\$6,262	114
0158DPKB21A-Y	\$7,829	115
0158DPKB21A-Z	\$9,003	116
0158DPSA21A	\$5,199	34
0158DPSC21A	\$5,199	34
0158FTSA21A	\$6,446	48
0158FTSC21A	\$6,446	48
0202DPNA21A-P	\$1,438	6
0202DPNC21A-P	\$1,438	6
0202DPSA21A-P	\$1,530	3
0202DPSA31A-P	\$2,109	8
0202DPSC21A-P	\$1,530	3
0202DPSC31A-P	\$2,109	8
0202FCNA21A-P	\$1,757	15
0202FCNC21A-P	\$1,757	15

Model No.	Price	Page
0202FTSA21A-P	\$1,869	12
0202FTSA22A-P	\$2,057	20
0202FTSA24A-P	\$2,151	23
0202FTSA31A-P	\$2,299	17
0202FTSC21A-P	\$1,869	12
0202FTSC22A-P	\$2,057	20
0202FTSC24A-P	\$2,151	23
0202FTSC31A-P	\$2,299	17
0202FTVB1PX-A	\$4,665	143
0202FTVB3PW-A	\$5,831	141
0202FTVB3PX-A	\$6,064	145
0202SDSC41A-P	\$2,220	83
0202SDSC42A-P	\$2,483	99
0202SDSR41A-P	\$2,220	83
0202SDSR42A-P	\$2,483	99
0202XDSB41A-P	\$3,065	96
0202XDSB42A-P	\$3,328	105
0202XDSC41A-P	\$3,065	96
0202XDSC42A-P	\$3,328	105
0202XPEA21A-P	\$3,042	27
0202XPEC21A-P	\$3,042	27
0202XSSB41A-P	\$2,357	90
0202XSSB42A-P	\$2,620	102
0202XSSC41A-P	\$2,357	90
0202XSSC42A-P	\$2,620	102
0204DPKB11A	\$3,930	114
0204DPNA21A-P	\$1,455	6
0204DPNC21A-P	\$1,455	6
0204DPSA21A-P	\$1,549	3
0204DPSA31A-P	\$2,167	8
0204DPSC21A-P	\$1,549	3
0204DPSC31A-P	\$2,167	8
0204FCFB32A	\$3,865	133
0204FCNA21A-P	\$1,633	15
0204FCNC21A-P	\$1,633	15
0204FTCA21A-P	\$1,757	111
0204FTCC21A-P	\$1,757	111
0204FTSA21A-P	\$1,738	12
0204FTSA22A-P	\$1,912	20
0204FTSA24A-P	\$1,999	23
0204FTSA31A-P	\$2,242	17
0204FTSC21A-P	\$1,738	12
0204FTSC22A-P	\$1,912	20
0204FTSC24A-P	\$1,999	23
0204FTSC31A-P	\$2,242	17
0204FTVB1PX-A	\$5,037	143
0204FTVB3PW-A	\$6,297	141
0204FTVB3PX-A	\$6,549	145
0204SDSC41A-P	\$2,107	83
0204SDSC42A-P	\$2,370	99
0204SDSR41A-P	\$2,107	83
0204SDSR42A-P	\$2,370	99
0204XDSB41A-P	\$3,029	96

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0204XDSB42A-P	\$3,292	105
0204XDSC41A-P	\$3,029	96
0204XDSC42A-P	\$3,292	105
0204XPEA21A-P	\$3,017	27
0204XPEC21A-P	\$3,017	27
0204XSSB41A-P	\$2,329	90
0204XSSB42A-P	\$2,592	102
0204XSSC41A-P	\$2,329	90
0204XSSC42A-P	\$2,592	102
0206BCFB32A	\$10,066	133
0206DPKB11A	\$6,262	114
0206DPNA21A-P	\$2,364	6
0206DPNC21A-P	\$2,364	6
0206DPPD11A-P	\$2,771	108
0206DPSA21A-P	\$2,514	3
0206DPSA31A-P	\$3,293	8
0206DPSC21A-P	\$2,514	3
0206DPSC31A-P	\$3,293	8
0206FCNA21A-P	\$2,811	15
0206FCNC21A-P	\$2,811	15
0206FTCA21A-P	\$3,146	111
0206FTCC21A-P	\$3,146	111
0206FTSA21A-P	\$2,933	12
0206FTSA22A-P	\$3,225	20
0206FTSA24A-P	\$3,373	23
0206FTSA31A-P	\$3,731	17
0206FTSC21A-P	\$2,933	12
0206FTSC22A-P	\$3,225	20
0206FTSC24A-P	\$3,373	23
0206FTSC31A-P	\$3,731	17
0206FTVB1PX-A	\$7,185	143
0206FTVB3PW-A	\$8,636	141
0206FTVB3PX-A	\$8,981	145
0206SDSC41A-P	\$3,548	83
0206SDSC42A-P	\$3,986	99
0206SDSR41A-P	\$3,548	83
0206SDSR42A-P	\$3,986	99
0206XDSB41A-P	\$5,043	96
0206XDSB42A-P	\$5,481	105
0206XDSC41A-P	\$5,043	96
0206XDSC42A-P	\$5,481	105
0206XPEA21A-P	\$4,442	27
0206XPEC21A-P	\$4,442	27
0206XSSB41A-P	\$3,876	90
0206XSSB42A-P	\$4,314	102
0206XSSC41A-P	\$3,876	90
0206XSSC42A-P	\$4,314	102
0208DPKB11A	\$7,411	114
0208DPKB41A-Y	\$9,264	115
0208DPKB41A-Z	\$10,653	116
0208DPSA21A	\$6,263	34
0208DPSC21A	\$6,263	34
0208FTSA21A	\$7,880	48

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0208FTSC21A	\$7,880	48
0252DPNA21A-P	\$1,738	6
0252DPNC21A-P	\$1,738	6
0252DPSA21A-P	\$1,849	3
0252DPSA31A-P	\$2,327	8
0252DPSC21A-P	\$1,849	3
0252DPSC31A-P	\$2,327	8
0252FCNA21B-P	\$2,106	15
0252FCNC21B-P	\$2,106	15
0252FTSA21B-P	\$2,241	12
0252FTSA22B-P	\$2,466	20
0252FTSA24B-P	\$2,576	23
0252FTSA31B-P	\$2,769	17
0252FTSC21B-P	\$2,241	12
0252FTSC22B-P	\$2,466	20
0252FTSC24B-P	\$2,576	23
0252FTSC31B-P	\$2,769	17
0252FTVB1PX-A	\$4,930	143
0252FTVB3PW-A	\$5,925	141
0252FTVB3PX-A	\$6,162	145
0252SDSC41B-P	\$2,725	83
0252SDSC42B-P	\$3,163	99
0252SDSR41B-P	\$2,725	83
0252SDSR42B-P	\$3,163	99
0252XDSB41B-P	\$3,779	96
0252XDSB42B-P	\$4,217	105
0252XDSC41B-P	\$3,779	96
0252XDSC42B-P	\$4,217	105
0252XPEA21B-P	\$3,740	27
0252XPEC21B-P	\$3,740	27
0252XSSB41B-P	\$2,904	90
0252XSSB42B-P	\$3,342	102
0252XSSC41B-P	\$2,904	90
0252XSSC42B-P	\$3,342	102
0254BCFB32A	\$6,746	133
0254DPKB11A	\$4,950	114
0254DPNA21A-P	\$1,704	6
0254DPNC21A-P	\$1,704	6
0254DPSA21A-P	\$1,813	3
0254DPSA21B-P	\$1,813	3
0254DPSA31A-P	\$2,276	8
0254DPSC21A-P	\$1,813	3
0254DPSC31A-P	\$2,276	8
0254FCFB31A	\$4,827	133
0254FCNA21A-P	\$1,976	15
0254FCNC21A-P	\$1,976	15
0254FTCA21A-P	\$2,116	111
0254FTCC21A-P	\$2,116	111
0254FTSA21A-P	\$2,102	12
0254FTSA21B-P	\$2,102	12
0254FTSA22A-P	\$2,312	20
0254FTSA24A-P	\$2,417	23
0254FTSA31A-P	\$2,621	17

Model No.	Price	Page
0254FTSC21A-P	\$2,102	12
0254FTSC22A-P	\$2,312	20
0254FTSC24A-P	\$2,417	23
0254FTSC31A-P	\$2,621	17
0254FTVB1PX-A	\$5,615	143
0254FTVB3PW-A	\$6,749	141
0254FTVB3PX-A	\$7,019	145
0254SDSC41A-P	\$2,556	83
0254SDSC42A-P	\$2,994	99
0254SDSR41A-P	\$2,556	83
0254SDSR42A-P	\$2,994	99
0254XDSB41A-P	\$3,607	96
0254XDSB42A-P	\$4,045	105
0254XDSC41A-P	\$3,607	96
0254XDSC42A-P	\$4,045	105
0254XPEA21A-P	\$3,874	27
0254XPEC21A-P	\$3,874	27
0254XSSB41A-P	\$2,818	90
0254XSSB42A-P	\$3,256	102
0254XSSC41A-P	\$2,818	90
0254XSSC42A-P	\$3,256	102
0256BCFB32A	\$11,766	133
0256DPKB11A	\$7,411	114
0256DPPD11A-P	\$3,319	108
0256DPSA21A-P	\$2,904	3
0256DPSA31A-P	\$3,216	8
0256DPSC21A-P	\$2,904	3
0256DPSC31A-P	\$3,216	8
0256FTCA21A-P	\$3,802	111
0256FTCC21A-P	\$3,802	111
0256FTSA21A-P	\$3,565	12
0256FTSA22A-P	\$3,921	20
0256FTSA24A-P	\$4,099	23
0256FTSA31A-P	\$4,463	17
0256FTSC21A-P	\$3,565	12
0256FTSC22A-P	\$3,921	20
0256FTSC24A-P	\$4,099	23
0256FTSC31A-P	\$4,463	17
0256FTVB1RX-A	\$8,391	143
0256FTVB3RW-A	\$10,086	141
0256FTVB3RX-A	\$10,489	145
0256SDSC41A-P	\$4,306	83
0256SDSC42A-P	\$4,798	99
0256SDSR41A-P	\$4,306	83
0256SDSR42A-P	\$4,798	99
0256XDSB41A-P	\$6,112	96
0256XDSB42A-P	\$6,604	105
0256XDSC41A-P	\$6,112	96
0256XDSC42A-P	\$6,604	105
0256XPEA21A-P	\$5,315	27
0256XPEC21A-P	\$5,315	27
0256XSSB41A-P	\$4,700	90
0256XSSB42A-P	\$5,192	102

Model No.	Price	Page
0256XSSC41A-P	\$4,700	90
0256XSSC42A-P	\$5,192	102
0258DPKB11A	\$8,325	114
0258DPKB21A-Y	\$10,408	115
0258DPKB21A-Z	\$11,967	116
0258DPSA21A	\$7,418	34
0258DPSC21A	\$7,418	34
0258FTSA21A	\$9,162	48
0258FTSC21A	\$9,162	48
0302DPNA21B-P	\$2,115	6
0302DPNC21B-P	\$2,115	6
0302DPSA21B-P	\$2,250	3
0302DPSA31B-P	\$2,786	8
0302DPSC21B-P	\$2,250	3
0302DPSC31B-P	\$2,786	8
0302FCNA21B-P	\$2,398	15
0302FCNC21B-P	\$2,398	15
0302FTSA21B-P	\$2,552	12
0302FTSA22B-P	\$2,807	20
0302FTSA24B-P	\$2,934	23
0302FTSA31B-P	\$3,244	17
0302FTSC21B-P	\$2,552	12
0302FTSC22B-P	\$2,807	20
0302FTSC24B-P	\$2,934	23
0302FTSC31B-P	\$3,244	17
0302FTVB1PX-A	\$5,439	143
0302FTVB3PW-A	\$6,537	141
0302FTVB3PX-A	\$6,798	145
0302SDSC41B-P	\$3,131	83
0302SDSC42B-P	\$3,569	99
0302SDSR41B-P	\$3,131	83
0302SDSR42B-P	\$3,569	99
0302XDSB41B-P	\$4,410	96
0302XDSB42B-P	\$4,848	105
0302XDSC41B-P	\$4,410	96
0302XDSC42B-P	\$4,848	105
0302XPEA21B-P	\$4,207	27
0302XPEC21B-P	\$4,207	27
0302XSSB41B-P	\$3,539	90
0302XSSB42B-P	\$3,977	102
0302XSSC41B-P	\$3,539	90
0302XSSC42B-P	\$3,977	102
0304BCFB32A	\$7,437	133
0304DPNA21A-P	\$1,986	6
0304DPNC21A-P	\$1,986	6
0304DPSA21A-P	\$2,113	3
0304DPSA21B-P	\$2,113	3
0304DPSA31A-P	\$2,693	8
0304DPSC21A-P	\$2,113	3
0304DPSC31A-P	\$2,693	8
0304FCFB31A	\$5,519	133
0304FCNA21A-P	\$2,398	15
0304FCNC21A-P	\$2,398	15

Model No.	Price	Page
0304FTCA21A-P	\$2,560	111
0304FTCC21A-P	\$2,560	111
0304FTSA21A-P	\$2,552	12
0304FTSA21B-P	\$2,552	12
0304FTSA22A-P	\$2,807	20
0304FTSA24A-P	\$2,934	23
0304FTSA31A-P	\$3,154	17
0304FTSC21A-P	\$2,552	12
0304FTSC22A-P	\$2,807	20
0304FTSC24A-P	\$2,934	23
0304FTSC31A-P	\$3,154	17
0304FTVB1PX-A	\$6,318	143
0304FTVB3PW-A	\$7,594	141
0304FTVB3PX-A	\$7,897	145
0304SDSC41A-P	\$3,073	83
0304SDSC42A-P	\$3,511	99
0304SDSR41A-P	\$3,073	83
0304SDSR42A-P	\$3,511	99
0304XDSB41A-P	\$4,195	96
0304XDSB42A-P	\$4,633	105
0304XDSC41A-P	\$4,195	96
0304XDSC42A-P	\$4,633	105
0304XPEA21A-P	\$4,197	27
0304XPEC21A-P	\$4,197	27
0304XSSB41A-P	\$3,292	90
0304XSSB42A-P	\$3,730	102
0304XSSC41A-P	\$3,292	90
0304XSSC42A-P	\$3,730	102
0306BCFB32A	\$12,943	133
0306DPPD11A-P	\$4,039	108
0306DPSA21A-P	\$3,188	3
0306DPSA31A-P	\$3,675	8
0306DPSC21A-P	\$3,188	3
0306DPSC31A-P	\$3,675	8
0306FTCA21A-P	\$4,188	111
0306FTCC21A-P	\$4,188	111
0306FTSA21A-P	\$4,240	12
0306FTSA22A-P	\$4,664	20
0306FTSA24A-P	\$4,875	23
0306FTSA31A-P	\$5,241	17
0306FTSC21A-P	\$4,240	12
0306FTSC22A-P	\$4,664	20
0306FTSC24A-P	\$4,875	23
0306FTSC31A-P	\$5,241	17
0306FTVB1RX-A	\$9,598	143
0306FTVB3RW-A	\$11,536	141
0306FTVB3RX-A	\$11,997	145
0306SDSC41A-P	\$5,257	83
0306SDSC42A-P	\$5,749	100
0306SDSR41A-P	\$5,257	83
0306SDSR42A-P	\$5,749	99
0306XDSB41A-P	\$7,039	96
0306XDSB42A-P	\$7,531	105

Model No.	Price	Page
0306XDSC41A-P	\$7,039	96
0306XDSC42A-P	\$7,531	106
0306XPEA21A-P	\$6,367	27
0306XPEC21A-P	\$6,367	27
0306XSSB41A-P	\$5,412	90
0306XSSB42A-P	\$5,904	102
0306XSSC41A-P	\$5,412	90
0306XSSC42A-P	\$5,904	102
0308DPSA21A	\$8,415	34
0308DPSC21A	\$8,415	34
0308FTSA21A	\$10,842	48
0308FTSC21A	\$10,842	48
0402DPSA21B-P	\$2,841	3
0402DPSA31B-P	\$3,563	8
0402DPSC21B-P	\$2,841	3
0402DPSC31B-P	\$3,563	8
0402FTSA21B-P	\$3,280	12
0402FTSA22B-P	\$3,608	20
0402FTSA24B-P	\$3,771	23
0402FTSA31B-P	\$4,313	17
0402FTSC21B-P	\$3,280	12
0402FTSC22B-P	\$3,608	20
0402FTSC24B-P	\$3,771	23
0402FTSC31B-P	\$4,313	17
0402FTVB1RX-A	\$7,180	143
0402FTVB3RW-A	\$8,630	141
0402FTVB3RX-A	\$8,975	145
0402SDSC41B-P	\$3,943	83
0402SDSC42B-P	\$4,435	100
0402SDSR41B-P	\$3,943	83
0402SDSR42B-P	\$4,435	100
0402XDSB41B-P	\$5,800	96
0402XDSB42B-P	\$6,292	106
0402XDSC41B-P	\$5,800	96
0402XDSC42B-P	\$6,292	106
0402XPEA21B-P	\$5,933	27
0402XPEC21B-P	\$5,933	27
0402XSSB41B-P	\$4,459	90
0402XSSB42B-P	\$4,951	102
0402XSSC41B-P	\$4,459	90
0402XSSC42B-P	\$4,951	102
0404BCFB32A	\$8,855	134
0404DPSA21A-P	\$2,706	3
0404DPSA21B-P	\$2,706	3
0404DPSA31A-P	\$3,039	8
0404DPSC21A-P	\$2,706	3
0404DPSC31A-P	\$3,039	8
0404FCFB31A	\$7,100	134
0404FTCA21A-P	\$3,493	111
0404FTCC21A-P	\$3,493	111
0404FTSA21A-P	\$3,244	12
0404FTSA21B-P	\$3,244	12
0404FTSA22A-P	\$3,568	20

Model No.	Price	Page
0404FTSA24A-P	\$3,731	23
0404FTSA31A-P	\$4,043	17
0404FTSC21A-P	\$3,244	12
0404FTSC22A-P	\$3,568	20
0404FTSC24A-P	\$3,731	23
0404FTSC31A-P	\$4,043	17
0404FTVB1RX-A	\$7,526	143
0404FTVB3RW-A	\$9,046	141
0404FTVB3RX-A	\$9,408	145
0404SDSC41A-P	\$3,973	83
0404SDSC42A-P	\$4,465	100
0404SDSR41A-P	\$3,973	83
0404SDSR42A-P	\$4,465	100
0404XDSB41A-P	\$5,575	96
0404XDSB42A-P	\$6,067	106
0404XDSC41A-P	\$5,575	96
0404XDSC42A-P	\$6,067	106
0404XPEA21A-P	\$5,941	27
0404XPEC21A-P	\$5,941	27
0404XSSB41A-P	\$4,284	90
0404XSSB42A-P	\$4,776	102
0404XSSC41A-P	\$4,284	90
0404XSSC42A-P	\$4,776	103
0406BCFB32A	\$15,614	134
0406DPPD11A-P	\$5,168	108
0406DPSA21A-P	\$4,463	3
0406DPSA31A-P	\$5,346	8
0406DPSC21A-P	\$4,463	3
0406DPSC31A-P	\$5,346	8
0406FTCA21A-P	\$5,656	111
0406FTCC21A-P	\$5,656	111
0406FTSA21A-P	\$5,554	12
0406FTSA22A-P	\$6,109	20
0406FTSA24A-P	\$6,387	23
0406FTSA31A-P	\$6,865	17
0406FTSC21A-P	\$5,554	12
0406FTSC22A-P	\$6,109	20
0406FTSC24A-P	\$6,387	23
0406FTSC31A-P	\$6,865	17
0406FTVB1RX-A	\$12,569	143
0406FTVB3RW-A	\$14,503	141
0406FTVB3RX-A	\$15,083	145
0406SDSC41A-P	\$6,878	83
0406SDSC42A-P	\$7,698	100
0406SDSR41A-P	\$6,878	83
0406SDSR42A-P	\$7,698	100
0406XDSB41A-P	\$9,542	96
0406XDSB42A-P	\$10,362	106
0406XDSC41A-P	\$9,542	96
0406XDSC42A-P	\$10,362	106
0406XPEA21A-P	\$8,371	27
0406XPEC21A-P	\$8,371	27
0406XSSB41A-P	\$7,335	90

Model No.	Price	Page
0406XSSB42A-P	\$8,155	103
0406XSSC41A-P	\$7,335	90
0406XSSC42A-P	\$8,155	103
0408DPSA21A	\$10,421	34
0408DPSC21A	\$10,421	34
0408FTSA21A	\$13,112	48
0408FTSC21A	\$13,112	48
0502DPSA21B-P	\$3,443	3
0502DPSA31B-P	\$3,865	8
0502DPSC21B-P	\$3,443	3
0502DPSC31B-P	\$3,865	8
0502FTSA21B-P	\$4,369	12
0502FTSA22B-P	\$4,806	20
0502FTSA24B-P	\$5,025	23
0502FTSA31B-P	\$5,588	17
0502FTSC21B-P	\$4,369	12
0502FTSC22B-P	\$4,806	20
0502FTSC24B-P	\$5,025	23
0502FTSC31B-P	\$5,588	17
0502FTVB1RX-A	\$8,277	143
0502FTVB3RW-A	\$9,948	141
0502FTVB3RX-A	\$10,346	145
0502SDSC41B-P	\$5,467	83
0502SDSC42B-P	\$5,959	100
0502SDSR41B-P	\$5,467	83
0502SDSR42B-P	\$5,959	100
0502XDSB41B-P	\$7,531	96
0502XDSB42B-P	\$8,023	106
0502XDSC41B-P	\$7,531	96
0502XDSC42B-P	\$8,023	106
0502XPEA21B-P	\$7,440	28
0502XPEC21B-P	\$7,440	28
0502XSSB41B-P	\$5,789	90
0502XSSB42B-P	\$6,281	103
0502XSSC41B-P	\$5,789	90
0502XSSC42B-P	\$6,281	103
0504BCFB32A	\$10,150	134
0504DPSA21A-P	\$3,105	4
0504DPSA21B-P	\$3,105	4
0504DPSA31A-P	\$3,613	8
0504DPSC21A-P	\$3,105	4
0504DPSC31A-P	\$3,613	8
0504FCFB31A	\$8,785	134
0504FTCA21A-P	\$3,932	111
0504FTCC21A-P	\$3,932	111
0504FTSA21A-P	\$4,144	13
0504FTSA21B-P	\$4,144	13
0504FTSA22A-P	\$4,559	20
0504FTSA24A-P	\$4,767	23
0504FTSA31A-P	\$5,063	17
0504FTSC21A-P	\$4,144	13
0504FTSC22A-P	\$4,559	20
0504FTSC24A-P	\$4,767	23

Model No.	Price	Page
0504FTSC31A-P	\$5,063	17
0504FTVB1RX-A	\$8,924	143
0504FTVB3RW-A	\$10,726	141
0504FTVB3RX-A	\$11,155	145
0504SDSC41A-P	\$4,845	83
0504SDSC42A-P	\$5,337	100
0504SDSR41A-P	\$4,845	83
0504SDSR42A-P	\$5,337	100
0504XDSB41A-P	\$6,845	96
0504XDSB42A-P	\$7,337	106
0504XDSC41A-P	\$6,845	96
0504XDSC42A-P	\$7,337	106
0504XPEA21A-P	\$6,874	28
0504XPEC21A-P	\$6,874	28
0504XSSB41A-P	\$4,978	90
0504XSSB42A-P	\$5,470	103
0504XSSC41A-P	\$4,978	90
0504XSSC42A-P	\$5,470	103
0506BCFB32A	\$18,718	134
0506DPPD11A-P	\$6,485	108
0506DPSA21A-P	\$5,601	4
0506DPSA31A-P	\$6,299	8
0506DPSC21A-P	\$5,601	4
0506DPSC31A-P	\$6,299	9
0506FTCA21A-P	\$6,834	111
0506FTCC21A-P	\$6,834	111
0506FTSA21A-P	\$6,498	13
0506FTSA22A-P	\$7,148	21
0506FTSA24A-P	\$7,473	23
0506FTSA31A-P	\$8,064	17
0506FTSC21A-P	\$6,498	13
0506FTSC22A-P	\$7,148	21
0506FTSC24A-P	\$7,473	23
0506FTSC31A-P	\$8,064	17
0506FTVB1RX-A	\$14,819	143
0506FTVB3RW-A	\$17,099	141
0506FTVB3RX-A	\$17,783	145
0506SDSC41A-P	\$8,029	83
0506SDSC42A-P	\$8,849	100
0506SDSR41A-P	\$8,029	83
0506SDSR42A-P	\$8,849	100
0506XDSB41A-P	\$10,956	96
0506XDSB42A-P	\$11,776	106
0506XDSC41A-P	\$10,956	96
0506XDSC42A-P	\$11,776	106
0506XPEA21A-P	\$8,451	28
0506XPEC21A-P	\$8,451	28
0506XSSB41A-P	\$8,421	90
0506XSSB42A-P	\$9,241	103
0506XSSC41A-P	\$8,421	90
0506XSSC42A-P	\$9,241	103
0508DPSA21A	\$12,419	35
0508DPSC21A	\$12,419	35

Model No.	Price	Page
0508FTSA21A	\$15,666	48
0508FTSC21A	\$15,666	48
0602DPSA21B-P	\$3,806	4
0602DPSA31B-P	\$5,050	9
0602DPSC21B-P	\$3,806	4
0602DPSC31B-P	\$5,050	9
0602FTSA21B-P	\$6,229	13
0602FTSA22B-P	\$6,852	21
0602FTSA24B-P	\$7,163	24
0602FTSA31B-P	\$7,366	18
0602FTSC21B-P	\$6,229	13
0602FTSC22B-P	\$6,852	21
0602FTSC24B-P	\$7,163	24
0602FTSC31B-P	\$7,366	18
0602FTVB1RX-A	\$10,582	143
0602FTVB3RW-A	\$12,210	141
0602FTVB3RX-A	\$12,698	145
0602SDSC41B-P	\$6,737	83
0602SDSC42B-P	\$7,557	100
0602SDSR41B-P	\$6,737	83
0602SDSR42B-P	\$7,557	100
0602XDSB41B-P	\$8,912	96
0602XDSB42B-P	\$9,732	106
0602XDSC41B-P	\$8,912	96
0602XDSC42B-P	\$9,732	106
0602XPEA21B-P	\$8,813	28
0602XPEC21B-P	\$8,813	28
0602XSSB41B-P	\$7,615	90
0602XSSB42B-P	\$8,435	103
0602XSSC41B-P	\$7,615	90
0602XSSC42B-P	\$8,435	103
0604BCFB32A	\$12,425	134
0604DPSA21A-P	\$3,617	4
0604DPSA21B-P	\$3,617	4
0604DPSA31A-P	\$5,055	9
0604DPSC21A-P	\$3,617	4
0604DPSC31A-P	\$5,055	9
0604FCFB31A	\$11,322	134
0604FTCA21A-P	\$5,987	111
0604FTCC21A-P	\$5,987	111
0604FTSA21A-P	\$5,779	13
0604FTSA21B-P	\$5,779	13
0604FTSA22A-P	\$6,357	21
0604FTSA24A-P	\$6,646	24
0604FTSA31A-P	\$7,143	18
0604FTSC21A-P	\$5,779	13
0604FTSC22A-P	\$6,357	21
0604FTSC24A-P	\$6,646	24
0604FTSC31A-P	\$7,143	18
0604FTVB1RX-A	\$11,043	143
0604FTVB3RW-A	\$12,742	141
0604FTVB3RX-A	\$13,251	145
0604SDSC41A-P	\$6,828	83

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0604SDSC42A-P	\$7,648	100
0604SDSR41A-P	\$6,828	83
0604SDSR42A-P	\$7,648	100
0604XDSB41A-P	\$8,837	96
0604XDSB42A-P	\$9,657	106
0604XDSC41A-P	\$8,837	96
0604XDSC42A-P	\$9,657	106
0604XPEA21A-P	\$8,789	28
0604XPEC21A-P	\$8,789	28
0604XSSB41A-P	\$7,550	90
0604XSSB42A-P	\$8,370	103
0604XSSC41A-P	\$7,550	90
0604XSSC42A-P	\$8,370	103
0606BCFB31A	\$20,763	134
0606DPPD11A-P	\$7,362	108
0606DPSA21A-P	\$6,079	4
0606DPSC21A-P	\$6,079	4
0606FTCA21A-P	\$8,601	111
0606FTCC21A-P	\$8,601	111
0606FTSA21A-P	\$7,345	13
0606FTSC21A-P	\$7,345	13
0606FTVB1RX-A	\$17,194	143
0606FTVB3RW-A	\$19,839	141
0606FTVB3RX-A	\$20,633	145
0606XPEA21A-P	\$12,258	28
0606XPEC21A-P	\$12,258	28
0608DPSA21A	\$14,397	35
0608DPSC21A	\$14,397	35
0608FTSA21A	\$17,896	48
0608FTSC21A	\$17,896	48
0752DPSA21B-P	\$5,001	4
0752DPSA31B-P	\$6,665	9
0752DPSC21B-P	\$5,001	4
0752DPSC31B-P	\$6,665	9
0752FTSA21B-P	\$7,501	13
0752FTSA22B-P	\$8,251	21
0752FTSA24B-P	\$8,626	24
0752FTSA31B-P	\$9,271	18
0752FTSC21B-P	\$7,501	13
0752FTSC22B-P	\$8,251	21
0752FTSC24B-P	\$8,626	24
0752FTSC31B-P	\$9,271	18
0752FTVB1RX-A	\$12,587	143
0752FTVB3RW-A	\$14,524	141
0752FTVB3RX-A	\$15,105	145
0752SDSC41B-P	\$8,484	83
0752SDSC42B-P	\$9,304	100
0752SDSR41B-P	\$8,484	83
0752SDSR42B-P	\$9,304	100
0752XDSB41B-P	\$11,196	96
0752XDSB42B-P	\$12,016	106
0752XDSC41B-P	\$11,196	96
0752XDSC42B-P	\$12,016	106

Model No.	Price	Page
0752XPEA21B-P	\$10,486	28
0752XPEC21B-P	\$10,486	28
0752XSSB41B-P	\$9,562	90
0752XSSB42B-P	\$10,382	103
0752XSSC41B-P	\$9,562	90
0752XSSC42B-P	\$10,382	103
0754BCFB32A	\$14,855	134
0754DPSA21A-P	\$4,587	4
0754DPSA21B-P	\$4,587	4
0754DPSA31A-P	\$6,166	9
0754DPSC21A-P	\$4,587	4
0754DPSC31A-P	\$6,166	9
0754FCFB31A	\$12,827	134
0754FTCA21A-P	\$7,156	111
0754FTCC21A-P	\$7,156	111
0754FTSA21A-P	\$7,312	13
0754FTSA21B-P	\$7,312	13
0754FTSA22A-P	\$8,043	21
0754FTSA24A-P	\$8,409	24
0754FTSA31A-P	\$9,037	18
0754FTSC21A-P	\$7,312	13
0754FTSC22A-P	\$8,043	21
0754FTSC24A-P	\$8,409	24
0754FTSC31A-P	\$9,037	18
0754FTVB1RX-A	\$12,812	143
0754FTVB3RW-A	\$14,784	141
0754FTVB3RX-A	\$15,375	145
0754SDSC41A-P	\$8,796	83
0754SDSC42A-P	\$9,616	100
0754SDSR41A-P	\$8,796	83
0754SDSR42A-P	\$9,616	100
0754XDSB41A-P	\$11,203	96
0754XDSB42A-P	\$12,023	106
0754XDSC41A-P	\$11,203	96
0754XDSC42A-P	\$12,023	106
0754XPEA21A-P	\$10,300	28
0754XPEC21A-P	\$10,300	28
0754XSSB41A-P	\$9,060	90
0754XSSB42A-P	\$9,880	103
0754XSSC41A-P	\$9,060	90
0754XSSC42A-P	\$9,880	103
0756BCFB31A	\$25,298	134
0756DPPD11A-P	\$8,737	108
0756DPSA21A-P	\$7,137	4
0756DPSC21A-P	\$7,137	4
0756FTCA21A-P	\$9,577	111
0756FTCC21A-P	\$9,577	111
0756FTSA21A-P	\$8,681	13
0756FTSC21A-P	\$8,681	13
0756FTVB1RX-A	\$20,220	143
0756FTVB3RW-A	\$23,331	141
0756FTVB3RX-A	\$24,264	145
0756XPEA21A-P	\$14,399	28

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0756XPEC21A-P	\$14,399	28
0758DPSA21A-R	\$17,244	35
0758DPSC21A-R	\$17,244	35
0758FTSA21A-R	\$23,585	49
0758FTSC21A-R	\$23,585	49
1/24FNWB32H	\$2,284	136
1/24FNWB34H	\$2,272	138
1/24FNWC32H	\$2,284	136
1/24FNWC34H	\$2,272	138
1/26FNWB32H	\$2,605	136
1/26FNWB34H	\$2,592	138
1/26FNWC32H	\$2,605	136
1/26FNWC34H	\$2,592	138
1002DPSA21B-P	\$6,466	4
1002DPSC21B-P	\$6,466	4
1002FTSA21B-P	\$9,948	13
1002FTSC21B-P	\$9,948	13
1002FTVB1RX-A	\$18,129	143
1002FTVB3RW-A	\$20,918	141
1002FTVB3RX-A	\$21,755	145
1002XPEA21B-P	\$16,239	28
1002XPEC21B-P	\$16,239	28
1003FCAK11B-A	\$39,973	157
1004BCFB31A	\$20,735	134
1004DPSA21A-P	\$6,008	4
1004DPSC21A-P	\$6,008	4
1004FCAK11A-A	\$39,357	157
1004FCAK11B-A	\$39,357	157
1004FCFB31A	\$17,355	134
1004FTCA21A-P	\$9,099	111
1004FTCC21A-P	\$9,099	111
1004FTSA21A-P	\$9,159	13
1004FTSC21A-P	\$9,159	13
1004FTVB1RX-A	\$17,262	143
1004FTVB3RW-A	\$19,918	141
1004FTVB3RX-A	\$20,715	145
1004XPEA21A-P	\$13,996	28
1004XPEC21A-P	\$13,996	28
1006BCFB31A	\$28,765	134
1006DPPD11A-P	\$11,105	108
1006DPSA21A-P	\$8,772	4
1006DPSC21A-P	\$8,772	4
1006FCAK11A-A	\$48,271	157
1006FCAK11B-A	\$48,271	157
1006FTCA21A-P	\$12,416	111
1006FTCC21A-P	\$12,416	111
1006FTSA21A-P	\$12,146	13
1006FTSC21A-P	\$12,146	13
1006FTVB1RX-A	\$26,435	143
1006FTVB3RW-A	\$29,805	141
1006FTVB3RX-A	\$30,401	145
1006XPEA21A-P	\$19,038	28
1006XPEC21A-P	\$19,038	28

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1008DPSA21A-R	\$21,807	35
1008DPSC21A-R	\$21,807	35
1008FTSA21A-R	\$29,158	49
1008FTSC21A-R	\$29,158	49
1251FTVB1RX-A	\$26,922	143
1251FTVB3RW-A	\$30,353	141
1251FTVB3RX-A	\$30,960	145
1252DPSA21B-P	\$8,206	4
1252DPSC21B-P	\$8,206	4
1252FTSA21B-P	\$13,189	13
1252FTSC21B-P	\$13,189	13
1252XPEA21B-P	\$21,593	28
1252XPEC21B-P	\$21,593	28
1253FCAK11B-A	\$40,588	157
1254BCFB31A	\$26,151	134
1254DPSA21A-P	\$6,756	4
1254DPSC21A-P	\$6,756	4
1254FCAK11A-A	\$39,973	157
1254FCAK11B-A	\$39,973	157
1254FCFB31A	\$22,570	134
1254FTCA21A-P	\$12,083	111
1254FTCC21A-P	\$12,083	111
1254FTSA21A-P	\$11,525	13
1254FTSC21A-P	\$11,525	13
1254FTVB1RX-A	\$21,975	143
1254FTVB3RW-A	\$24,776	141
1254FTVB3RX-A	\$25,271	145
1254XPEA21A-P	\$19,490	28
1254XPEC21A-P	\$19,490	28
1256DPSA21A-P	\$10,267	4
1256DPSC21A-P	\$10,267	4
1256FCAK11A-A	\$48,895	157
1256FCAK11B-A	\$48,895	157
1256FTCA21A-P	\$14,705	111
1256FTCC21A-P	\$14,705	111
1256FTSA21A-P	\$14,234	13
1256FTSC21A-P	\$14,234	13
1256FTVB1RX-A	\$31,958	143
1256FTVB3RW-A	\$36,031	141
1256FTVB3RX-A	\$36,752	145
1256XPEA21A-P	\$24,637	28
1256XPEC21A-P	\$24,637	28
1258DPSA21A-R	\$25,691	35
1258DPSA21B	\$23,302	35
1258DPSC21A-R	\$25,691	35
1258DPSC21B	\$23,302	35
1258FTSB21A-FR	\$34,255	49
1258FTSB21A-R	\$31,069	49
1258FTSC21A-FR	\$34,255	49
1258FTSC21A-R	\$31,069	49
1501FTVB1RX-A	\$32,745	143
1501FTVB3RW-A	\$36,919	141
1501FTVB3RX-A	\$37,657	145

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1502DPSA21B-P	\$10,646	4
1502DPSC21B-P	\$10,646	4
1502FTSA21B-P	\$16,064	13
1502FTSC21B-P	\$16,064	13
1502XPEA21B-P	\$24,366	28
1502XPEC21B-P	\$24,366	28
1503FCAK11B-A	\$41,486	157
1504BCFB31A	\$29,680	134
1504DPSA21A-P	\$9,796	4
1504DPSC21A-P	\$9,796	4
1504FCAK11A-A	\$41,073	157
1504FCAK11B-A	\$41,073	157
1504FCFB31A	\$26,099	134
1504FTCA21A-P	\$14,251	111
1504FTCC21A-P	\$14,251	111
1504FTSA21A-P	\$13,903	13
1504FTSC21A-P	\$13,903	13
1504FTVB1RX-A	\$26,839	143
1504FTVB3RW-A	\$30,260	141
1504FTVB3RX-A	\$30,865	145
1504XPEA21A-P	\$23,248	28
1504XPEC21A-P	\$23,248	28
1506DPSB21A-P	\$11,691	4
1506DPSC21A-P	\$11,691	4
1506FCAK11A-A	\$49,822	157
1506FCAK11B-A	\$49,822	157
1506FTCB21A-P	\$17,256	111
1506FTCC21A-P	\$17,256	112
1506FTSB21A-P	\$16,456	13
1506FTSC21A-P	\$16,456	13
1506FTVB1RX-A	\$39,709	143
1506FTVB3RW-A	\$44,770	141
1506FTVB3RX-A	\$45,666	145
1506XPEB21A-P	\$27,356	28
1506XPEC21A-P	\$27,356	28
1508DPSA21B	\$29,637	35
1508DPSA21D-R	\$31,100	35
1508DPSC21B	\$29,637	35
1508DPSC21D-R	\$31,100	35
1508FTSB21A-R	\$39,515	49
1508FTSB21E	\$49,393	49
1508FTSB21G-R	\$52,283	49
1508FTSC21A-R	\$39,515	49
1508FTSC21E	\$49,393	49
1508FTSC21G-R	\$52,283	49
2001FTVB1RX-A	\$39,968	143
2001FTVB3RW-A	\$45,062	141
2001FTVB3RX-A	\$45,963	145
2002DPSB21B-P	\$13,930	4
2002DPSC21B-P	\$13,930	4
2002FTSB21B-P	\$20,077	13
2002FTSC21B-P	\$20,077	13
2002XPEB21B-P	\$28,062	28

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2002XPEC21B-P	\$28,062	28
2003FCAK11B-A	\$44,046	157
2004BCFB31A	\$35,142	134
2004DPSB21A-P	\$11,677	4
2004DPSC21A-P	\$11,677	4
2004FCAK11A-A	\$42,331	157
2004FCAK11B-A	\$42,331	157
2004FCFB31A	\$31,561	134
2004FTCB21A-P	\$17,638	112
2004FTCC21A-P	\$17,638	112
2004FTSB21A-P	\$17,077	13
2004FTSC21A-P	\$17,077	13
2004FTVB1RX-A	\$37,509	143
2004FTVB3RW-A	\$42,290	141
2004FTVB3RX-A	\$43,136	145
2004XPEB21A-P	\$26,473	28
2004XPEC21A-P	\$26,473	28
2006DPSB21A-P	\$15,888	4
2006DPSC21A-P	\$15,888	4
2006FCAK11A-A	\$51,215	157
2006FCAK11B-A	\$51,215	157
2006FTCB21A-P	\$21,359	112
2006FTCC21A-P	\$21,359	112
2006FTSB21A-P	\$21,045	13
2006FTSC21A-P	\$21,045	13
2006FTVB1SX-A	\$53,197	143
2006FTVB3SW-A	\$60,764	141
2006FTVB3SX-A	\$62,586	145
2006XPEB41A	\$42,011	78
2006XPEB41B	\$47,851	78
2006XPEC41A	\$42,011	78
2006XPEC41B	\$47,851	78
2008DPSA21E	\$31,631	35
2008DPSA21G-R	\$35,733	35
2008DPSC21E	\$31,631	35
2008DPSC21G-R	\$35,733	35
2008FTAL11E-A	\$55,428	157
2008FTSB21A-R	\$44,106	49
2008FTSB21E	\$55,132	49
2008FTSB21G-R	\$58,022	49
2008FTSC21A-R	\$44,106	49
2008FTSC21E	\$55,132	49
2008FTSC21G-R	\$58,022	49
2501FTVB1SX-A	\$50,852	144
2501FTVB3SW-A	\$58,231	142
2501FTVB3SX-A	\$59,979	145
2502DPAB21B	\$24,834	35
2502DPAC21B	\$24,834	35
2503FCAB21B	\$28,055	49
2503FCAC21B	\$28,055	49
2503FCAK11B-A	\$45,226	157
2503XPEB41B	\$51,839	78
2503XPEC41B	\$51,839	78

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2504BCFB31A	\$44,086	134
2504DPAB21A	\$22,520	35
2504DPAB21A-R	\$23,219	35
2504DPAC21A	\$22,520	35
2504DPAC21A-R	\$23,219	35
2504FCAB21A	\$23,706	49
2504FCAB21A-R	\$24,441	49
2504FCAC21A	\$23,706	49
2504FCAC21A-R	\$24,441	49
2504FCAK11A-A	\$43,773	157
2504FCAK11B-A	\$43,773	157
2504FCFB31A	\$39,379	134
2504FTVB1SX-A	\$44,331	144
2504FTVB3SW-A	\$50,636	142
2504FTVB3SX-A	\$52,156	145
2504XPEB41A	\$45,023	78
2504XPEC41A	\$45,023	78
2506DPAB21E	\$28,718	35
2506DPAB21G-R	\$31,608	35
2506DPAC21E	\$28,718	35
2506DPAC21G-R	\$31,608	35
2506FCAB21A-R	\$30,229	49
2506FCAC21A-R	\$30,229	49
2506FCAK11A-A	\$52,582	157
2506FCAK11B-A	\$52,582	157
2506FTAL11E-A	\$54,684	157
2506FTVB1SX-A	\$66,497	144
2506FTVB3SW-A	\$75,954	142
2506FTVB3SX-A	\$78,233	145
2508FTAL11E-A	\$55,942	157
3/44FNWB32H	\$2,391	136
3/44FNWB34H	\$2,380	138
3/44FNWC32H	\$2,391	136
3/44FNWC34H	\$2,380	138
3/46FNWB32H	\$2,728	136
3/46FNWB34H	\$2,712	138
3/46FNWC32H	\$2,728	136
3/46FNWC34H	\$2,712	138
3/46SDSC41A-P	\$548	82
3/46SDSC47A-P	\$686	98
3/46SDSR41A-P	\$547	82
3/46SDSR47A-P	\$685	98
3/46XDSB41A-P	\$829	95
3/46XDSB42A-P	\$938	104
3/46XDSC41A-P	\$829	95
3/46XDSC42A-P	\$938	104
3/46XSSB41A-P	\$610	89
3/46XSSB42A-P	\$719	101
3/46XSSC41A-P	\$610	89
3/46XSSC42A-P	\$719	101
3/48DPSA21A	\$924	34
3/48DPSC21A	\$924	34
3001FTVB1SX-A	\$60,963	144

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3001FTVB3SW-A	\$69,877	142
3001FTVB3SX-A	\$71,975	146
3002DPAB21B	\$32,327	35
3002DPAC21B	\$32,327	35
3003FCAB21B	\$34,947	49
3003FCAC21B	\$34,947	49
3003FCAK11B-A	\$46,386	157
3003XPEB41B	\$57,421	78
3003XPEC41B	\$57,421	79
3004BCFB31A	\$49,584	134
3004DPAB21A	\$25,408	35
3004DPAB21A-R	\$26,861	35
3004DPAC21A	\$25,408	35
3004DPAC21A-R	\$26,861	35
3004FCAB21A	\$26,745	49
3004FCAB21A-R	\$28,245	49
3004FCAC21A	\$26,745	49
3004FCAC21A-R	\$28,245	49
3004FCAK11A-A	\$45,628	157
3004FCAK11B-A	\$45,628	157
3004FCFB31A	\$44,876	134
3004FTAL11E-A	\$47,804	157
3004FTAL11E-C	\$67,777	157
3004FTQL11E-A	\$64,211	157
3004FTQL11E-C	\$84,184	157
3004FTVB1SX-A	\$53,197	144
3004FTVB3SW-A	\$60,764	142
3004FTVB3SX-A	\$62,586	146
3004XPEB41A	\$47,969	79
3004XPEC41A	\$47,969	79
3006DPAB21E	\$36,243	35
3006DPAB21G-R	\$39,133	35
3006DPAC21E	\$36,243	35
3006DPAC21G-R	\$39,133	35
3006FCAB21A-R	\$39,082	49
3006FCAC21A-R	\$39,082	49
3006FTAL11E-A	\$55,460	157
3006FTAL11E-C	\$75,433	157
3006FTVB1SX-A	\$79,797	144
3006FTVB3SW-A	\$91,146	142
3006FTVB3SX-A	\$93,881	146
3006XPEB41A	\$51,406	79
3006XPEC41A	\$51,406	79
3008FTAL11E-A	\$58,815	157
3501FTVB1SX-A	\$71,192	144
3501FTVB3SW-A	\$81,526	142
3501FTVB3SX-A	\$83,971	146
3502DPAB21B	\$35,097	35
3502DPAC21B	\$35,097	35
3503FCAB21B	\$39,017	49
3503FCAC21B	\$39,017	49
3503FCAK11B-A	\$47,626	157
3503FTAL11F-A	\$49,304	157

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3503FTAL11F-C	\$69,277	157
3503FTQL11F-A	\$65,711	157
3503FTQL11F-C	\$85,684	157
3503XPEB41B	\$59,609	79
3503XPEC41B	\$59,609	79
3504BCFB31A	\$54,291	134
3504DPAB21E	\$28,569	35
3504DPAB21G-R	\$29,994	35
3504DPAC21E	\$28,569	35
3504DPAC21G-R	\$29,994	35
3504FCAB21A	\$30,073	49
3504FCAB21A-R	\$31,573	49
3504FCAC21A	\$30,073	49
3504FCAC21A-R	\$31,573	49
3504FCAK11A-A	\$46,162	157
3504FCAK11B-A	\$46,162	157
3504FTAL11E-A	\$48,600	157
3504FTAL11E-C	\$68,573	157
3504FTQL11E-A	\$65,006	158
3504FTQL11E-C	\$84,980	158
3504FTVB1SX-A	\$62,066	144
3504FTVB3SW-A	\$70,890	142
3504FTVB3SX-A	\$73,018	146
3504XPEB41A	\$50,859	79
3504XPEC41A	\$50,859	79
3506DPAB21E	\$37,083	35
3506DPAB21G-R	\$40,455	36
3506DPAC21E	\$37,083	36
3506DPAC21G-R	\$40,455	36
3506FCAB21A-R	\$41,204	49
3506FCAC21A-R	\$41,204	49
3506FTAB41E-A	\$55,314	85
3506FTAB41E-AR	\$58,279	85
3506FTAC41E-A	\$55,314	86
3506FTAC41G-AR	\$58,279	86
3506FTAL11E-A	\$56,228	158
3506FTAL11E-C	\$76,202	158
3506FTVB1SX-A	\$93,098	144
3506FTVB3SW-A	\$106,336	142
3506FTVB3SX-A	\$109,526	146
3508FTAL11E-A	\$69,144	158
4001FTVB1SX-A	\$81,362	144
4001FTVB3SW-A	\$93,172	142
4001FTVB3SX-A	\$95,965	146
4002DPAB21B	\$40,750	36
4002DPAC21B	\$40,750	36
4003FCAB21B	\$48,604	49
4003FCAC21B	\$48,604	49
4003FTAB41F-A	\$62,105	86
4003FTAC41F-A	\$62,105	86
4003FTAL11F-A	\$53,964	158
4003FTAL11F-C	\$73,937	158
4003FTQL11F-A	\$70,371	158

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4003WPAK11F-A	\$35,673	149
4003WPAK11F-C	\$47,746	149
4003WPQK11F-A	\$68,253	149
4003WPQK11F-C	\$38,915	149
4003WTAK11F-A	\$57,564	152
4003WTAK11F-C	\$77,537	152
4003WTQK11F-A	\$73,971	152
4003WTQK11F-C	\$93,944	152
4004DPAB21E	\$39,449	36
4004DPAB21G-R	\$38,913	36
4004DPAC21E	\$39,449	36
4004DPAC21G-R	\$38,913	36
4004FCAB21A	\$41,737	49
4004FCAB21A-R	\$43,237	50
4004FCAC21A	\$41,737	50
4004FCAC21A-R	\$43,237	50
4004FTAB41E-A	\$56,467	86
4004FTAB41E-AR	\$59,433	86
4004FTAC41E-A	\$56,467	86
4004FTAC41G-AR	\$59,433	86
4004FTAL11E-A	\$55,164	158
4004FTAL11E-C	\$75,137	158
4004FTQL11E-A	\$71,571	158
4004FTQL11E-C	\$91,544	158
4004FTVB1SX-A	\$70,932	144
4004FTVB3SW-A	\$81,018	142
4004FTVB3SX-A	\$83,448	146
4004WPAK11E-A	\$53,773	149
4004WPAK11E-C	\$71,217	149
4004WTAK11E-A	\$58,613	152
4004WTAK11E-C	\$78,586	152
4006FTAL11E-A	\$58,282	158
4006FTAL11E-C	\$78,255	158
4006WPAK11E-A	\$42,000	149
4006WPAK11E-C	\$54,555	149
4006WTAK11E-A	\$72,808	152
4006WTAK11E-C	\$92,782	152
4008FTAL11E-A	\$72,760	158
4008WTAL11E-A	\$98,391	152
4008WTAL11E-C	\$120,266	152
4502DPAB21F	\$44,035	36
4502DPAC21F	\$44,035	36
4503FCAB21F	\$54,686	50
4503FCAC21F	\$54,686	50
4503FTAB41F-A	\$69,876	86
4503FTAC41F-A	\$69,876	86
4503FTAL11F-A	\$55,773	158
4503FTAL11F-C	\$75,746	158
4503FTQL11F-A	\$72,180	158
4503FTQL11F-C	\$92,153	158
4503WPAK11F-A	\$79,937	149
4503WPAK11F-C	\$78,466	149

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4503WPQK11F-C	\$82,595	149
4503WTAK11F-A	\$58,573	152
4503WTAK11F-C	\$78,546	152
4503WTQK11F-A	\$74,980	152
4503WTQK11F-C	\$94,953	152
4504DPAB21E	\$42,670	36
4504DPAB21G-R	\$44,095	36
4504DPAC21E	\$42,670	36
4504DPAC21G-R	\$44,095	36
4504FCAB21E	\$44,916	50
4504FCAB21G-R	\$46,416	50
4504FCAC21E	\$44,916	50
4504FCAC21G-R	\$46,416	50
4504FTAB41E-A	\$60,358	86
4504FTAB41E-AR	\$69,411	86
4504FTAC41E-A	\$60,358	86
4504FTAC41G-AR	\$69,411	86
4504FTAL11E-A	\$58,435	158
4504FTAL11E-C	\$78,408	158
4504FTQL11E-A	\$74,842	158
4504FTQL11E-C	\$94,815	158
4504WPAK11E-A	\$85,888	149
4504WPAK11E-C	\$60,828	149
4504WTAK11E-A	\$61,397	152
4504WTAK11E-C	\$81,371	152
4506FTAL11E-A	\$62,973	158
4506FTAL11E-C	\$84,344	158
4506WPAK11E-A	\$77,235	149
4506WPAK11E-C	\$97,208	149
4506WTAK11E-A	\$74,464	153
4506WTAK11E-C	\$94,437	153
4508FTAL11E-A	\$75,402	158
4508TCAL11E-A	\$101,688	158
4508TCAL11E-C	\$123,564	158
4508WTAL11E-A	\$81,282	153
4508WTAL11E-C	\$103,157	153
5002DPAB21F	\$48,916	36
5002DPAC21F	\$48,916	36
5003FCAB21F	\$60,759	50
5003FCAC21F	\$60,759	50
5003FTAB41F-A	\$77,637	86
5003FTAC41F-A	\$77,637	87
5003FTAL11F-A	\$69,084	158
5003FTAL11F-C	\$90,960	158
5003FTQL11F-A	\$86,204	158
5003FTQL11F-C	\$108,080	158
5003WPAK11F-A	\$69,233	149
5003WPAK11F-C	\$89,206	149
5003WPQK11F-A	\$61,262	149
5003WPQK11F-C	\$81,235	149
5003WTAK11F-A	\$60,680	153
5003WTAK11F-C	\$80,653	153

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5003WTQK11F-A	\$77,086	153
5003WTQK11F-C	\$97,060	153
5004DPAB21E	\$47,411	36
5004DPAB21G-R	\$48,836	36
5004DPAC21E	\$47,411	36
5004DPAC21G-R	\$48,836	36
5004FCAB21E	\$49,907	50
5004FCAB21G-R	\$51,407	50
5004FCAC21E	\$49,907	50
5004FCAC21G-R	\$51,407	50
5004FTAB41E-A	\$66,735	87
5004FTAB41E-AR	\$76,745	87
5004FTAC41E-A	\$66,735	87
5004FTAC41G-AR	\$76,745	87
5004FTAL11E-A	\$60,851	158
5004FTAL11E-C	\$80,824	158
5004FTQL11E-A	\$77,257	158
5004FTQL11E-C	\$97,231	158
5004WPAK11E-A	\$97,642	149
5004WPAK11E-C	\$64,031	149
5004WTAK11E-A	\$62,486	153
5004WTAK11E-C	\$82,460	153
5006FTAL11E-A	\$71,351	158
5006FTAL11E-C	\$94,757	158
5006WPAK11E-A	\$90,108	149
5006WPAK11E-C	\$62,066	149
5006WTAK11E-A	\$77,740	153
5006WTAK11E-C	\$97,713	153
5008FTAL11E-A	\$81,586	158
5008TCAL11E-A	\$102,066	158
5008TCAL11E-C	\$123,942	158
5008WTAL11E-A	\$83,666	153
5008WTAL11E-C	\$105,542	153
6003FTAL11F-A	\$72,302	158
6003FTAL11F-C	\$94,177	158
6003FTQL11F-A	\$89,422	158
6003FTQL11F-C	\$111,297	158
6003WPAK11F-A	\$78,473	149
6003WPAK11F-C	\$98,446	149
6003WPQK11F-A	\$64,468	149
6003WPQK11F-C	\$84,442	149
6003WTAK11F-A	\$67,386	153
6003WTAK11F-C	\$87,360	153
6003WTQK11F-A	\$83,793	153
6003WTQK11F-C	\$103,766	153
6004FTAB11E-A	\$83,757	46
6004FTAC11E-A	\$83,757	46
6004FTAL11E-A	\$74,451	158
6004FTAL11E-C	\$96,326	159
6004FTQL11E-A	\$91,571	159
6004FTQL11E-C	\$113,446	159
6004WPAK11E-A	\$90,546	149
6004WPAK11E-C	\$63,755	149

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6004WTAK11E-A	\$68,775	153
6004WTAK11E-C	\$88,748	153
6006FTAL11E-A	\$80,311	159
6006TCAL11E-A	\$103,511	159
6006TCAL11E-C	\$125,386	159
6006WPAK11E-C	\$80,162	150
6006WTAL11E-A	\$83,242	153
6006WTAL11E-C	\$105,117	153
6008TCAL11E-A	\$103,917	159
6008TCAL11E-C	\$125,793	159
6008WPAL11E-A	\$100,135	150
6008WPAL11E-C	\$65,391	150
6008WTAL11E-A	\$88,702	153
6008WTAL11E-C	\$110,577	153
7003TCAL11F-A	\$87,595	159
7003TCAL11F-C	\$109,471	159
7003TCQL11F-A	\$104,715	159
7003TCQL11F-C	\$126,591	159
7003WPAK11F-A	\$85,364	150
7003WPAK11F-C	\$92,655	150
7003WPQK11F-A	\$85,446	150
7003WPQK11F-C	\$107,322	150
7003WTAK11F-A	\$72,224	153
7003WTAK11F-C	\$92,197	153
7003WTQK11F-A	\$88,631	153
7003WTQK11F-C	\$108,604	153
7004FTAB11E-A	\$91,997	47
7004FTAC11E-A	\$91,997	47
7004FTAL11E-A	\$81,775	159
7004FTAL11E-C	\$103,651	159
7004FTQL11E-A	\$98,895	159
7004FTQL11E-C	\$120,771	159
7004WPAK11E-A	\$88,568	150
7004WPAK11E-C	\$85,002	150
7004WTAK11E-A	\$73,646	153
7004WTAK11E-C	\$93,620	153
7005TCAL11E-A	\$99,528	159
7005TCAL11E-C	\$121,404	159
7005TCQL11E-A	\$116,648	159
7005TCQL11E-C	\$138,524	159
7006FTAB11E-A	\$95,527	47
7006FTAC11E-A	\$95,527	47
7006FTAL11E-A	\$84,913	159
7006TCAL11E-A	\$108,288	159
7006TCAL11E-C	\$130,164	159
7006WPAK11E-A	\$73,031	150
7006WPAK11E-C	\$93,004	150
7006WTAL11E-A	\$84,095	153
7006WTAL11E-C	\$105,971	153
7008WPAL11E-A	\$80,711	150
7008WPAL11E-C	\$102,586	150
7008WTAL11E-A	\$91,191	153
7008WTAL11E-C	\$113,066	153

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8003TCAL11F-A	\$90,071	159
8003TCAL11F-C	\$111,946	159
8003TCQL11F-A	\$107,191	159
8003TCQL11F-C	\$129,066	159
8003WPAK11F-A	\$109,377	150
8003WPAK11F-C	\$72,971	150
8003WPAL11F-A	\$87,502	150
8003WPQK11F-A	\$92,944	150
8003WPQK11F-C	\$83,813	150
8003WTAK11F-A	\$75,333	153
8003WTAK11F-C	\$95,306	153
8003WTAL11F-A	\$76,104	153
8003WTAL11F-C	\$97,980	153
8003WTQL11F-A	\$93,224	153
8003WTQL11F-C	\$115,100	153
8004FTAB11E-A	\$94,114	47
8004FTAC11E-A	\$94,114	47
8004FTAL11E-A	\$83,657	159
8004FTAL11E-C	\$105,533	159
8004FTQL11E-A	\$100,777	159
8004FTQL11E-C	\$122,653	159
8004WPAK11E-A	\$109,351	150
8004WPAK11E-C	\$77,286	150
8004WTAK11E-A	\$77,113	153
8005TCAL11E-A	\$101,128	159
8005TCAL11E-C	\$123,004	159
8005TCQL11E-A	\$118,248	159
8005TCQL11E-C	\$140,124	159
8005WTAL11E-A	\$82,726	153
8005WTAL11E-C	\$104,602	153
8005WTQL11E-A	\$99,846	153
8005WTQL11E-C	\$121,722	153
8006WPAL11E-A	\$97,260	150
8006WPAL11E-C	\$88,775	150
8006WTAL11E-A	\$92,351	153
8006WTAL11E-C	\$114,226	153
9003TCAL11F-A	\$96,762	159
9003TCAL11F-C	\$118,637	159
9003TCQL11F-A	\$113,882	159
9003TCQL11F-C	\$135,757	159
9003WPAL11F-A	\$110,651	150
9003WPAL11F-C	\$76,257	150
9003WPQL11F-A	\$98,133	150
9003WPQL11F-C	\$86,284	150
9003WTAL11F-A	\$80,080	154
9003WTAL11F-C	\$101,955	154
9003WTQL11F-A	\$97,200	154
9003WTQL11F-C	\$119,075	154
9005TCAL11E-A	\$102,586	159
9005TCAL11E-C	\$124,462	159
9005TCQL11E-A	\$119,706	159
9005TCQL11E-C	\$141,582	159
9005WPAL11E-A	\$82,860	150

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9005WPAL11E-C	\$104,735	150
9005WPQL11E-A	\$99,980	150
9005WPQL11E-C	\$121,855	150
9005WTAL11E-A	\$86,568	154
9005WTAL11E-C	\$108,444	154
9005WTQL11E-A	\$103,688	154
9005WTQL11E-C	\$125,564	154
9006WPAL11E-A	\$90,964	150
9006WPAL11E-C	\$112,840	150
9006WTAL11E-A	\$94,597	154
9006WTAL11E-C	\$116,473	154
A1501FLG3B5HD01	\$21,027	91
A1501FLG3B5HJ	\$25,657	97
A1501FLG3OSH01	\$19,090	84
A1501FLG3OSH01	\$21,027	91
A1501FLG3OSHJ	\$25,657	97
A1501FLG3USH01	\$19,090	84
A1503FLG3B5HD01	\$21,027	91
A1503FLG3B5HJ	\$25,657	97
A1503FLG3OSH01	\$19,090	84
A1503FLG3OSH01	\$21,027	91
A1503FLG3OSHJ	\$25,657	97
A1503FLG3USH01	\$19,090	84
A1508FLF4BMQ	\$29,019	130
A1508FLF4OMQ	\$29,019	130
A2504FLF4BMQ	\$24,888	131
A2506FLF4BMQ	\$31,908	131
A2506FLF4OMQ	\$31,908	131
A2508FLF4BMQ01	\$39,931	131
A2508FLF4OMQ	\$39,931	131
A3004FLF4BMQ	\$29,761	131
A3004FLF4OMQ	\$29,761	131
A3006FLF4BMQ	\$36,633	131
A3006FLF4OMQ	\$36,633	131
A3504FLF4BMQ	\$32,127	131
A3504FLF4OMQ	\$32,127	131
A3506FLF4BMQ	\$39,412	131
A3506FLF4OMQ	\$39,412	131
A4004FLF4BM	\$58,515	45
A4004FLF4BMQ	\$37,588	131
A4004FLF4OM	\$58,515	45
A4004FLF4OMQ	\$37,588	131
A4004FLG3BM	\$55,234	45
A4004FLG3OM	\$55,234	45
A4504FLF4BMQ	\$44,196	131
A4504FLF4OMQ	\$44,196	131
A5004FLF4BMQ	\$47,136	131
A5004FLF4OMQ	\$47,136	131
AB2504FLF4OMQ	\$24,888	131
B0012FMC2AOZ	\$509	59
B0012FMC2OOZ	\$509	59
B0012FMF2AOZ	\$507	43
B0012FMF2OOZ	\$507	43

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B00142LC1BMHD	\$3,963	124
B00142LC1OMHD	\$3,963	124
B00142LC2AMH	\$2,299	122
B00142LC2OMH	\$2,299	122
B00142LF1BMHD	\$3,788	120
B00142LF1OMHD	\$3,788	120
B00142LF2AMH	\$2,124	118
B00142LF2OMH	\$2,124	118
B0014DLF2AMH02	\$659	37
B0014DLF2AYH	\$570	37
B0014DLF2OMH02	\$659	37
B0014FLC2AMH02	\$927	60
B0014FLC2AOZ	\$533	59
B0014FLC2OMH02	\$927	60
B0014FLC2OOZ	\$533	59
B0014FLF1BMHD02	\$859	64
B0014FLF1BYHD	\$781	64
B0014FLF1OMHD02	\$859	64
B0014FLF2AMH03	\$790	52
B0014FLF2AOZ	\$490	43
B0014FLF2AYH	\$684	52
B0014FLF2OMH03	\$790	52
B0014FLF2OOZ	\$490	43
B0014FLF2OYH	\$684	52
B0014FLF3BMHJ01	\$1,000	70
B0014FLF3OMHJ01	\$1,000	70
B0014FLT2AMH	\$872	56
B0014FLT2AYH	\$805	56
B0014FLT2OMH	\$872	56
B0014YLF2ASH	\$1,489	75
B0014YLF2OSH	\$1,489	75
B00163LC1BMHD	\$4,055	124
B00163LC1OMHD	\$4,055	124
B00163LC2AMH	\$2,358	122
B00163LC2OMH	\$2,358	122
B00163LF1BMHD	\$3,880	120
B00163LF1OMHD	\$3,880	120
B00163LF2AMH	\$2,183	118
B00163LF2OMH	\$2,183	118
B0016DLF2AMH02	\$849	37
B0016DLF2AYH	\$735	37
B0016DLF2OMH02	\$849	37
B0016FLC2AMH02	\$1,111	60
B0016FLC2AOZ	\$671	59
B0016FLC2OMH02	\$1,111	60
B0016FLC2OOZ	\$671	59
B0016FLF1BMHD02	\$1,074	65
B0016FLF1BYHD	\$976	65
B0016FLF1OMHD02	\$1,074	65
B0016FLF2AMH03	\$983	52
B0016FLF2AOZ	\$656	43
B0016FLF2AYH	\$850	52
B0016FLF2OMH03	\$983	52

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B0016FLF2OOZ	\$656	43
B0016FLF2OYH	\$850	52
B0016FLF3BMHJ01	\$1,240	70
B0016FLF3OMHJ01	\$1,240	70
B0016FLT2AMH	\$1,056	56
B0016FLT2OMH	\$1,056	56
B0016YLF2ASH	\$1,699	75
B0016YLF2OSH	\$1,699	75
B00183LC1BMHD	\$5,010	124
B00183LC1OMHD	\$5,010	124
B00183LC2AMH	\$3,306	122
B00183LC2OMH	\$3,306	122
B00183LF1BMHD	\$4,791	120
B00183LF1OMHD	\$4,791	120
B00183LF2AMH	\$3,088	118
B00183LF2OMH	\$3,088	118
B0018FLF1BMHD	\$1,695	65
B0018FLF1OMHD	\$1,695	65
B0018FLF2AMH	\$1,596	52
B0018FLF2OMH	\$1,596	52
B0018FLF3BMHJ	\$2,838	70
B0018FLF3OMHJ	\$2,838	70
B0018YLF2ASH	\$2,047	75
B0018YLF2OSH	\$2,047	75
B0022DLF2AMH02	\$884	37
B0022DLF2AYH	\$735	37
B0022DLF2OMH02	\$884	37
B0022FLC2AMH02	\$1,168	60
B0022FLC2AOZ	\$638	59
B0022FLC2OMH02	\$1,168	60
B0022FLC2OOZ	\$638	59
B0022FLF1BMHD02	\$1,082	65
B0022FLF1BYHD	\$984	65
B0022FLF1OMHD02	\$1,082	65
B0022FLF2AMH03	\$1,042	52
B0022FLF2AOZ	\$623	44
B0022FLF2AYH	\$903	52
B0022FLF2OMH03	\$1,042	52
B0022FLF2OOZ	\$623	44
B0022FLF2OYH	\$903	52
B0022FLF3BMHJ01	\$1,281	71
B0022FLF3OMHJ01	\$1,281	71
B0022FLT2AMH	\$1,113	56
B0022FLT2OMH	\$1,113	56
B0022YLF2AMH	\$1,686	76
B0022YLF2OMH	\$1,686	76
B00243LC1BMHD	\$4,326	124
B00243LC1OMHD	\$4,326	124
B00243LC2AMH	\$2,349	122
B00243LC2OMH	\$2,349	122
B00243LF1BMHD	\$4,151	120
B00243LF1OMHD	\$4,151	120
B00243LF2AMH	\$2,174	118

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B00243LF2OMH	\$2,174	118
B0024DLF2AMH02	\$792	37
B0024DLF2AYH	\$686	37
B0024DLF2OMH02	\$792	37
B0024FLC2AMH02	\$1,074	60
B0024FLC2AOZ	\$605	59
B0024FLC2OMH02	\$1,074	60
B0024FLC2OOZ	\$605	59
B0024FLF1BMHD02	\$1,052	65
B0024FLF1BYHD	\$956	65
B0024FLF1OMHD02	\$1,052	65
B0024FLF2AMH03	\$944	52
B0024FLF2AOZ	\$592	44
B0024FLF2AYH	\$818	52
B0024FLF2OMH03	\$944	52
B0024FLF2OOZ	\$592	44
B0024FLF2OYH	\$818	52
B0024FLF3BMHJ01	\$1,220	71
B0024FLF3OMHJ01	\$1,220	71
B0024FLT2AMH	\$1,019	56
B0024FLT2AYH	\$938	56
B0024FLT2OMH	\$1,019	56
B0024YLF2ASH	\$1,677	76
B0024YLF2OSH	\$1,677	76
B00264LC1BMHD	\$4,580	124
B00264LC1OMHD	\$4,580	124
B00264LC2AMH	\$2,828	122
B00264LC2OMH	\$2,828	122
B00264LF1BMHD	\$4,405	120
B00264LF1OMHD	\$4,405	120
B00264LF2AMH	\$2,653	118
B00264LF2OMH	\$2,653	118
B0026DLF2AMH02	\$1,196	37
B0026DLF2AYH	\$1,036	37
B0026DLF2OMH02	\$1,196	37
B0026FLC2AMH02	\$1,332	60
B0026FLC2OMH02	\$1,332	60
B0026FLF1BMHD02	\$1,277	65
B0026FLF1BYHD	\$1,161	65
B0026FLF1OMHD02	\$1,277	65
B0026FLF2AMH03	\$1,215	52
B0026FLF2AYH	\$1,052	52
B0026FLF2OMH03	\$1,215	52
B0026FLF2OYH	\$1,052	52
B0026FLF3BMHJ01	\$1,564	71
B0026FLF3OMHJ01	\$1,564	71
B0026FLT2AMH	\$1,277	56
B0026FLT2OMH	\$1,277	56
B0026YLF2ASH	\$2,008	76
B0026YLF2OSH	\$2,008	76
B00284LF2AMH	\$5,670	118
B00284LF2OMH	\$5,670	118
B00284LF3BMHD	\$7,333	120

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B00284LF3OMHD	\$7,333	120
B00285LC2AMH	\$5,889	122
B00285LC2OMH	\$5,889	122
B00285LC3BMHD	\$7,551	124
B00285LC3OMHD	\$7,551	124
B0028FLF1BMHD	\$2,510	65
B0028FLF1OMHD	\$2,510	65
B0028FLF2AMH	\$2,251	52
B0028FLF2OMH	\$2,251	52
B0028FLF3BMHJ	\$3,538	71
B0028FLF3OMHJ	\$3,538	71
B0028YLF2ASH	\$3,057	76
B0028YLF2OSH	\$3,057	76
B0032DLF2AMH02	\$955	38
B0032DLF2AYH	\$815	38
B0032DLF2OMH02	\$955	38
B0032FLC2AMH02	\$1,273	60
B0032FLC2OMH02	\$1,273	60
B0032FLF1BMHD02	\$1,238	65
B0032FLF1BYHD	\$1,071	65
B0032FLF1OMHD02	\$1,238	65
B0032FLF2AMH03	\$1,153	52
B0032FLF2AYH	\$955	52
B0032FLF2OMH03	\$1,153	52
B0032FLF2OYH	\$955	52
B0032FLF3BMHJ01	\$1,572	71
B0032FLF3OMHJ01	\$1,572	71
B0032FLT2AMH	\$1,218	57
B0032FLT2OMH	\$1,218	57
B0032YLF2AMH	\$1,924	76
B0032YLF2OMH	\$1,924	76
B00344LC1BMHD	\$4,523	125
B00344LC1OMHD	\$4,523	125
B00344LC2AMH	\$2,743	123
B00344LC2OMH	\$2,743	123
B00344LF1BMHD	\$4,348	120
B00344LF1OMHD	\$4,348	120
B00344LF2AMH	\$2,568	118
B00344LF2OMH	\$2,568	118
B0034DLF2AMH02	\$861	38
B0034DLF2AYH	\$715	38
B0034DLF2OMH02	\$861	38
B0034FLC2AMH02	\$1,207	60
B0034FLC2OMH02	\$1,207	61
B0034FLF1BMHD02	\$1,106	65
B0034FLF1BYHD	\$1,006	65
B0034FLF1OMHD02	\$1,106	65
B0034FLF2AMH03	\$1,084	52
B0034FLF2AYH	\$938	52
B0034FLF2OMH03	\$1,084	53
B0034FLF2OYH	\$938	53
B0034FLF3BMHJ01	\$1,476	71
B0034FLF3OMHJ01	\$1,476	71

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B0034FLT2AMH	\$1,152	57
B0034FLT2AYH	\$1,102	57
B0034FLT2OMH	\$1,152	57
B0034YLF2ASH	\$1,911	76
B0034YLF2OSH	\$1,911	76
B00365LC2AMH	\$4,926	123
B00365LC2OMH	\$4,926	123
B00365LC3BMHD	\$6,669	125
B00365LC3OMHD	\$6,669	125
B00365LF2AMH	\$4,707	118
B00365LF2OMH	\$4,707	118
B00365LF3BMHD	\$6,450	120
B00365LF3OMHD	\$6,450	120
B0036DLF2AMH01	\$1,350	38
B0036DLF2OMH01	\$1,350	38
B0036FLC2AMH01	\$1,555	61
B0036FLC2OMH01	\$1,555	61
B0036FLF1BMHD04	\$1,637	65
B0036FLF2AMH04	\$1,403	53
B0036FLF2OMH04	\$1,403	53
B0036FLF3BMHJ01	\$2,005	71
B0036FLF3OMHD04	\$1,637	65
B0036FLF3OMHJ01	\$2,005	71
B0036FLT2AMH	\$1,511	57
B0036FLT2OMH	\$1,511	57
B0036YLF2AMH	\$2,673	76
B0036YLF2OMH	\$2,673	76
B00385LC2AMH	\$5,981	123
B00385LC2OMH	\$5,981	123
B00385LC3BMHD	\$8,161	125
B00385LC3OMHD	\$8,161	125
B00385LF2AMH	\$5,762	119
B00385LF2OMH	\$5,762	119
B00385LF3BMHD	\$7,943	120
B00385LF3OMHD	\$7,943	120
B0038FLF2AMH	\$2,810	53
B0038FLF2OMH	\$2,810	53
B0038FLF3BMHD	\$2,988	65
B0038FLF3BMHJ	\$4,118	71
B0038FLF3OMHD	\$2,988	65
B0038FLF3OMHJ	\$4,118	71
B0038YLF2AMH	\$3,567	76
B0038YLF2OMH	\$3,567	76
B0052DLF2AMH02	\$1,148	38
B0052DLF2AYH	\$945	38
B0052DLF2OMH02	\$1,148	38
B0052FLC2AMH02	\$1,476	61
B0052FLC2OMH02	\$1,476	61
B0052FLF1BMHD02	\$1,459	65
B0052FLF1BYHD	\$1,326	65
B0052FLF1OMHD02	\$1,459	65
B0052FLF2AMH03	\$1,366	53
B0052FLF2AYH	\$1,183	53

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B0052FLF2OMH03	\$1,366	53
B0052FLF2OYH	\$1,183	53
B0052FLF3BMHJ01	\$1,782	71
B0052FLF3OMHJ01	\$1,782	71
B0052FLT2AMH	\$1,422	57
B0052FLT2OMH	\$1,422	57
B0052YLF2AMH	\$2,231	76
B0052YLF2OMH	\$2,231	76
B00544LC1BMHD	\$4,602	125
B00544LC1OMHD	\$4,602	125
B00544LC2AMH	\$2,815	123
B00544LC2OMH	\$2,815	123
B00544LF1BMHD	\$4,427	121
B00544LF1OMHD	\$4,427	121
B00544LF2AMH	\$2,640	119
B00544LF2OMH	\$2,640	119
B0054DLF2AMH02	\$1,091	38
B0054DLF2AYH	\$945	38
B0054DLF2OMH02	\$1,091	38
B0054FLC2AMH02	\$1,354	61
B0054FLC2OMH02	\$1,354	61
B0054FLF1BMHD02	\$1,292	65
B0054FLF1BYHD	\$1,175	65
B0054FLF1OMHD02	\$1,292	65
B0054FLF2AMH03	\$1,238	53
B0054FLF2AYH	\$1,071	53
B0054FLF2OMH03	\$1,238	53
B0054FLF2OYH	\$1,071	53
B0054FLF3BMHJ01	\$1,581	71
B0054FLF3OMHJ01	\$1,581	71
B0054FLT2AMH	\$1,299	57
B0054FLT2AYH	\$1,235	57
B0054FLT2OMH	\$1,299	57
B0054YLF2ASH	\$2,100	76
B0054YLF2OSH	\$2,100	76
B00565LC2AMH	\$5,075	123
B00565LC2OMH	\$5,075	123
B00565LC3BMHD	\$6,857	125
B00565LC3OMHD	\$6,857	125
B00565LF2AMH	\$4,856	119
B00565LF2OMH	\$4,856	119
B00565LF3BMHD	\$6,639	121
B00565LF3OMHD	\$6,639	121
B0056DLF2AMH01	\$1,741	38
B0056DLF2OMH01	\$1,741	38
B0056FLC2AMH01	\$2,183	61
B0056FLC2OMH01	\$2,183	61
B0056FLF1BMHD04	\$2,196	65
B0056FLF2AMH04	\$1,964	53
B0056FLF2OMH04	\$1,964	53
B0056FLF3BMHJ01	\$2,749	71
B0056FLF3OMHD04	\$2,196	65
B0056FLF3OMHJ01	\$2,749	71

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B0056FLT2AMH	\$2,139	57
B0056FLT2OMH	\$2,139	57
B0056YLF2AMH	\$3,296	76
B0056YLF2OMH	\$3,296	76
B00586LC2AMH	\$7,763	123
B00586LC2OMH	\$7,763	123
B00586LC3BMHD	\$10,012	125
B00586LC3OMHD	\$10,012	125
B00586LF2AMH	\$3,390	119
B00586LF2OMH	\$3,390	119
B00586LF3BMHD	\$9,662	121
B00586LF3OMHD	\$9,662	121
B0058FLF2AMH	\$3,735	53
B0058FLF2OMH	\$3,735	53
B0058FLF3BMHD	\$3,966	65
B0058FLF3BMHJ	\$5,229	71
B0058FLF3OMHD	\$3,966	65
B0058FLF3OMHJ	\$5,229	71
B0058YLF2OSH	\$4,368	76
B0058YLF2USH	\$4,368	76
B0102DLF2OMH01	\$1,728	38
B0102DLF2UMH01	\$1,728	38
B0102FLC2OMH01	\$1,964	61
B0102FLC2UMH01	\$1,964	61
B0102FLF1BMHD04	\$1,992	66
B0102FLF2OMH04	\$1,832	53
B0102FLF2UMH04	\$1,832	53
B0102FLF3BMHJ02	\$2,522	71
B0102FLF3OMHD04	\$1,992	66
B0102FLF3OMHJ02	\$2,522	71
B0102FLT2OMH	\$1,920	57
B0102FLT2UMH	\$1,920	57
B0102YLF2OMH	\$2,985	76
B0102YLF2UMH	\$2,985	76
B01046LC2OSH	\$5,385	123
B01046LC2USH	\$5,385	123
B01046LC3BSHD	\$7,159	125
B01046LC3OSHD	\$7,159	125
B01046LF2OSH	\$5,166	119
B01046LF2USH	\$5,166	119
B01046LF3BSHD	\$6,940	121
B01046LF3OSHD	\$6,940	121
B01047LC3OSHD	\$9,474	125
B0104DLF2OSH01	\$1,585	38
B0104DLF2USH01	\$1,585	38
B0104FLC2OSH01	\$1,988	61
B0104FLC2USH01	\$1,988	61
B0104FLF1BSHD04	\$1,986	66
B0104FLF2OSH04	\$1,769	53
B0104FLF2USH04	\$1,769	53
B0104FLF3BSHJ01	\$2,583	71
B0104FLF3OSHD04	\$1,986	66
B0104FLF3OSHJ01	\$2,583	71

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B0104FLT2OSH	\$1,944	57
B0104FLT2USH	\$1,944	57
B0104YLF2OSH	\$3,066	76
B0104YLF2USH	\$3,066	76
B01067LC2OSH	\$7,759	123
B01067LC2USH	\$7,759	123
B01067LC3BSHD	\$10,324	125
B01067LC3OSHD	\$10,324	125
B01067LF2OSH	\$7,409	119
B01067LF2USH	\$7,409	119
B01067LF3BSHD	\$9,974	121
B01067LF3OSHD	\$9,974	121
B01068LC3BSHD	\$13,205	125
B01068LC3OSHD	\$13,205	125
B0106DLF2OMH01	\$2,550	38
B0106DLF2UMH01	\$2,550	38
B0106FLC2OSH01	\$3,375	61
B0106FLC2USH01	\$3,375	61
B0106FLF1BMHD02	\$3,469	66
B0106FLF2OSH02	\$3,025	53
B0106FLF2USH02	\$3,025	53
B0106FLF3BMHJ01	\$4,366	71
B0106FLF3OMHD02	\$3,469	66
B0106FLF3OMHJ01	\$4,366	71
B0106FLT2OSH	\$3,320	57
B0106FLT2USH	\$3,320	57
B0106YLF2OSH	\$4,797	76
B0106YLF2USH	\$4,797	76
B01088LC2OSH	\$11,724	123
B01088LC2USH	\$11,724	123
B01088LC3BSHD	\$14,574	125
B01088LC3OSHD	\$14,574	125
B01088LF2OSH	\$11,210	119
B01088LF2USH	\$11,210	119
B01088LF3BSHD	\$14,060	121
B01088LF3OSHD	\$14,060	121
B01089LC3BSHD	\$22,246	125
B01089LC3OSHD	\$22,246	125
B0108FLF2OSH	\$5,503	53
B0108FLF2USH	\$5,503	53
B0108FLF3BMHD	\$5,852	66
B0108FLF3BMHJ	\$7,104	71
B0108FLF3OMHD	\$5,852	66
B0108FLF3OMHJ	\$7,104	71
B0108YLF3AMH	\$6,075	76
B0108YLF3OMH	\$6,075	76
B0152DLF2OMH01	\$2,189	38
B0152DLF2UMH01	\$2,189	38
B0152FLC2OSH01	\$2,749	61
B0152FLC2USH01	\$2,749	61
B0152FLF1BMHD02	\$2,730	66
B0152FLF2OSH02	\$2,519	53
B0152FLF2USH02	\$2,519	53

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B0152FLF3BMHJ01	\$3,469	71
B0152FLF3OMHD02	\$2,730	66
B0152FLF3OMHJ01	\$3,469	71
B0152FLT2OSH	\$2,695	57
B0152FLT2USH	\$2,695	57
B0152YLF2AMH	\$4,086	76
B0152YLF2OMH	\$4,086	76
B01547LC2OSH	\$7,123	123
B01547LC2USH	\$7,123	123
B01547LC3BSHD	\$9,474	125
B01547LF2OSH	\$6,773	119
B01547LF2USH	\$6,773	119
B01547LF3BSHD	\$9,124	121
B01547LF3OSHD	\$9,124	121
B0154DLF2OMH01	\$2,183	38
B0154DLF2UMH01	\$2,183	38
B0154FLC2OSH01	\$2,738	61
B0154FLC2USH01	\$2,738	61
B0154FLF1BMHD02	\$2,618	66
B0154FLF2OSH02	\$2,388	53
B0154FLF2USH02	\$2,388	53
B0154FLF3BMHJ01	\$3,408	71
B0154FLF3OMHD02	\$2,618	66
B0154FLF3OMHJ01	\$3,408	71
B0154FLT2OSH	\$2,684	57
B0154FLT2USH	\$2,684	57
B0154YLF2OSH	\$3,928	76
B0154YLF2USH	\$3,928	76
B01568LC2OSH	\$10,342	123
B01568LC2USH	\$10,342	123
B01568LF2OSH	\$9,828	119
B01568LF2USH	\$9,828	119
B01568LF3BSHD	\$12,691	121
B01568LF3OSHD	\$12,691	121
B0156FLF3BMHD02	\$4,611	66
B0156FLF3BMHJ01	\$5,794	71
B0156FLF3OMH02	\$4,241	53
B0156FLF3OMHD02	\$4,611	66
B0156FLF3OMHJ01	\$5,794	71
B0156FLF3UMH02	\$4,241	53
B0156VLF1OMH01	\$3,447	38
B0156VLF1UMH01	\$3,447	38
B0156YLF3OMH	\$6,998	76
B0156YLF3UMH	\$6,998	76
B01589LC2OSH	\$21,773	123
B01589LC2USH	\$21,773	123
B01589LF2OSH	\$21,259	119
B01589LF2USH	\$21,259	119
B01589LF3BSHD	\$21,732	121
B01589LF3OSHD	\$21,732	121
B0158FLF3BMHD	\$7,624	66
B0158FLF3BMHJ	\$8,834	71
B0158FLF3OMH	\$7,162	53

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B0158FLF3OMHD	\$7,624	66
B0158FLF3OMHJ	\$8,834	72
B0158FLF3UMH	\$7,162	53
B0158YLF2OSH	\$7,993	77
B0158YLF2USH	\$7,993	76
B0202DLF2OMH01	\$2,581	38
B0202DLF2UMH01	\$2,581	38
B0202FLC2OSH01	\$3,458	61
B0202FLC2USH01	\$3,458	61
B0202FLF1BMHD02	\$3,300	66
B0202FLF2OSH02	\$3,108	53
B0202FLF2USH02	\$3,108	53
B0202FLF3BMHJ01	\$4,291	72
B0202FLF3OMHD02	\$3,300	66
B0202FLF3OMHJ01	\$4,291	72
B0202FLT2OSH	\$3,403	57
B0202FLT2USH	\$3,403	57
B0202YLF2OSH	\$4,897	77
B0202YLF2USH	\$4,897	77
B02048LC2OSH	\$8,887	123
B02048LC2USH	\$8,887	123
B02048LC3BSHD	\$11,254	125
B02048LC3OSHD	\$11,254	125
B02048LF2OSH	\$8,538	119
B02048LF2USH	\$8,538	119
B02048LF3BSHD	\$10,904	121
B02048LF3OSHD	\$10,904	121
B0204DLF2OMH01	\$2,614	38
B0204DLF2UMH01	\$2,614	38
B0204FLC2OSH01	\$3,300	61
B0204FLC2USH01	\$3,300	61
B0204FLF1BMHD02	\$3,261	66
B0204FLF2OSH02	\$2,950	53
B0204FLF2USH02	\$2,950	53
B0204FLF3BMHJ01	\$4,241	72
B0204FLF3OMHD02	\$3,261	66
B0204FLF3OMHJ01	\$4,241	72
B0204FLT2OSH	\$3,246	57
B0204FLT2USH	\$3,246	57
B0204YLF2OSH	\$4,705	77
B0204YLF2USH	\$4,705	77
B02069LC2OSH	\$19,422	123
B02069LC2USH	\$19,422	123
B02069LC3BSHD	\$19,882	125
B02069LC3OSHD	\$19,882	125
B02069LF2OSH	\$18,908	119
B02069LF2USH	\$18,908	119
B02069LF3BSHD	\$19,368	121
B02069LF3OSHD	\$19,368	121
B0206FLF3BMHD02	\$5,427	66
B0206FLF3BMHJ01	\$7,061	72
B0206FLF3OMH02	\$4,967	54
B0206FLF3OMHD02	\$5,427	66

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B0206FLF3OMHJ01	\$7,061	72
B0206FLF3UMH02	\$4,967	53
B0206VLF1OMH01	\$4,027	38
B0206VLF1UMH01	\$4,027	38
B0206YLF3OMH	\$7,774	77
B0206YLF3UMH	\$7,774	77
B0208FLF3BMHD	\$9,320	66
B0208FLF3BMHJ	\$10,557	72
B0208FLF3OMH	\$8,755	54
B0208FLF3OMHD	\$9,320	66
B0208FLF3OMHJ	\$10,557	72
B0208FLF3UMH	\$8,755	54
B0208YLF3AMH	\$9,034	77
B0208YLF3OMH	\$9,034	77
B0252DLF2OMH01	\$3,152	38
B0252DLF2UMH01	\$3,152	38
B0252FLC3OMH02	\$4,329	61
B0252FLC3UMH02	\$4,329	61
B0252FLG3BMHD02	\$4,269	66
B0252FLG3BMHJ01	\$5,291	72
B0252FLG3OMH02	\$4,005	54
B0252FLG3OMHD02	\$4,269	66
B0252FLG3OMHJ01	\$5,291	72
B0252FLG3UMH02	\$4,005	54
B0252FLT3OMH	\$4,252	57
B0252FLT3UMH	\$4,252	57
B0252YLG3OMH	\$6,376	77
B0252YLG3UMH	\$6,376	77
B02548LC2OSH	\$9,942	123
B02548LC2USH	\$9,942	123
B02548LC3BSHD	\$12,540	125
B02548LC3OSHD	\$12,540	125
B02548LF2OSH	\$9,428	119
B02548LF2USH	\$9,428	119
B02548LF3BSHD	\$12,026	121
B02548LF3OSHD	\$12,026	121
B0254FLC3OMH02	\$4,092	61
B0254FLC3UMH02	\$4,092	61
B0254FLF3BMHD02	\$3,946	66
B0254FLF3BMHJ01	\$5,050	72
B0254FLF3OMH02	\$3,578	54
B0254FLF3OMHD02	\$3,946	66
B0254FLF3OMHJ01	\$5,050	72
B0254FLF3UMH02	\$3,578	54
B0254FLT3OMH	\$4,016	57
B0254FLT3UMH	\$4,016	57
B0254VLF1OSH01	\$3,187	38
B0254VLF1USH01	\$3,187	38
B0254YLF3OMH	\$5,742	77
B0254YLF3UMH	\$5,742	77
B0256FLF3BMHD01	\$6,909	66
B0256FLF3BMHJ01	\$8,557	72
B0256FLF3OMH02	\$6,330	54

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B0256FLF3OMHD01	\$6,909	66
B0256FLF3OMHJ01	\$8,557	72
B0256FLF3UMH02	\$6,330	54
B0256VLF1OMH01	\$4,779	38
B0256VLF1UMH01	\$4,779	38
B0256YLF1OMH	\$9,425	77
B0256YLF1UMH	\$9,425	77
B0258FLF3BMHD	\$10,872	66
B0258FLF3BMHJ	\$12,043	72
B0258FLF3OMH	\$10,180	54
B0258FLF3OMHD	\$10,872	66
B0258FLF3OMHJ	\$12,043	72
B0258FLF3UMH	\$10,180	54
B0258YLF1AMH	\$11,451	77
B0258YLF1OMH	\$11,451	77
B0302FLC3OMH02	\$4,897	61
B0302FLC3UMH02	\$4,897	61
B0302FLG3BMHD02	\$4,954	66
B0302FLG3BMHJ01	\$6,175	72
B0302FLG3OMH02	\$4,471	54
B0302FLG3OMHD02	\$4,954	66
B0302FLG3OMHJ01	\$6,175	72
B0302FLG3UMH02	\$4,471	54
B0302FLT3OMH	\$4,821	57
B0302FLT3UMH	\$4,821	57
B0302VLG3OMH	\$3,948	39
B0302VLG3UMH	\$3,948	39
B0302YLG3OMH	\$6,874	77
B0302YLG3UMH	\$6,874	77
B03049LC2OSH	\$18,757	123
B03049LC2USH	\$18,757	123
B03049LC3BSHD	\$19,064	125
B03049LC3OSHD	\$19,064	125
B03049LF2OSH	\$18,243	119
B03049LF2USH	\$18,243	119
B03049LF3BSHD	\$18,550	121
B03049LF3OSHD	\$18,550	121
B0304FLC3OMH02	\$4,816	61
B0304FLC3UMH02	\$4,816	61
B0304FLF3BMHD02	\$4,609	66
B0304FLF3BMHJ01	\$5,873	72
B0304FLF3OMH02	\$4,302	54
B0304FLF3OMHD02	\$4,609	66
B0304FLF3OMHJ01	\$5,873	72
B0304FLF3UMH02	\$4,302	54
B0304FLT3OMH	\$4,740	57
B0304FLT3UMH	\$4,740	57
B0304VLF1OSH01	\$3,705	39
B0304VLF1USH01	\$3,705	39
B0304YLF3OMH	\$6,660	77
B0304YLF3UMH	\$6,660	77
B0306FLF3BMHD01	\$7,577	66
B0306FLF3BMHJ01	\$9,854	72

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B0306FLF3OMH02	\$7,360	54
B0306FLF3OMHD01	\$7,577	66
B0306FLF3OMHJ01	\$9,854	72
B0306FLF3UMH02	\$7,360	54
B0306VLF1OMH01	\$5,468	39
B0306VLF1UMH01	\$5,468	39
B0306YLF1OMH	\$11,033	77
B0306YLF1UMH	\$11,033	77
B0308FLF3BMHD	\$12,833	66
B0308FLF3BMHJ	\$14,102	72
B0308FLF3OMH	\$12,047	54
B0308FLF3OMHD	\$12,833	67
B0308FLF3OMHJ	\$14,102	72
B0308FLF3UMH	\$12,047	54
B0308YLF3AMH	\$13,628	77
B0308YLF3OMH	\$13,628	77
B0402FLC3OMH01	\$6,199	61
B0402FLC3UMH01	\$6,199	61
B0402FLG3BMHD02	\$6,555	67
B0402FLG3BMHJ01	\$8,120	72
B0402FLG3OMH02	\$5,797	54
B0402FLG3OMHD02	\$6,555	67
B0402FLG3OMHJ01	\$8,120	72
B0402FLG3UMH02	\$5,797	54
B0402FLT3OMH	\$6,002	57
B0402FLT3UMH	\$6,002	57
B0402VLG3OMH	\$4,810	39
B0402VLG3UMH	\$4,810	39
B0402YLG3OMH	\$9,251	77
B0402YLG3UMH	\$9,251	77
B0404FLC3OSH02	\$6,240	61
B0404FLC3USH02	\$6,240	61
B0404FLF3BSHD01	\$5,998	67
B0404FLF3BSHJ01	\$7,805	72
B0404FLF3OSH02	\$5,562	54
B0404FLF3OSHD01	\$5,998	67
B0404FLF3OSHJ01	\$7,805	72
B0404FLF3USH02	\$5,562	54
B0404FLT3OSH	\$6,044	57
B0404FLT3USH	\$6,044	57
B0404VLF1OMH01	\$4,606	39
B0404VLF1UMH01	\$4,606	39
B0404YLF1AMH	\$8,863	77
B0404YLF1OMH	\$8,863	77
B0406FLF3BMHD01	\$10,270	67
B0406FLF3BMHJ01	\$13,359	72
B0406FLF3OMH02	\$9,629	54
B0406FLF3OMHD01	\$10,270	67
B0406FLF3OMHJ01	\$13,359	72
B0406FLF3UMH02	\$9,629	54
B0406VLF3OSH	\$8,438	39
B0406VLF3USH	\$8,438	39
B0406YLF3OMH	\$14,328	77

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B0406YLF3UMH	\$14,328	77
B0408FLF3BMHD	\$15,534	67
B0408FLF3BMHJ	\$16,722	72
B0408FLF3OMH	\$14,569	54
B0408FLF3OMHD	\$15,534	67
B0408FLF3OMHJ	\$16,722	72
B0408FLF3UMH	\$14,569	54
B0408YLF3AMH	\$16,369	77
B0408YLF3OMH	\$16,369	77
B0502FLC3OMH01	\$8,332	61
B0502FLC3UMH01	\$8,332	61
B0502FLG3BMHD02	\$8,104	67
B0502FLG3BMHJ01	\$10,543	72
B0502FLG3OMH02	\$7,654	54
B0502FLG3OMHD02	\$8,104	67
B0502FLG3OMHJ01	\$10,543	72
B0502FLG3UMH02	\$7,654	54
B0502FLU3OMH	\$8,135	58
B0502FLU3UMH	\$8,135	58
B0502VLG3OMH	\$5,718	39
B0502VLG3UMH	\$5,718	39
B0502YLG3OMH	\$11,388	77
B0502YLG3UMH	\$11,388	77
B0504FLC3OSH02	\$7,461	61
B0504FLC3USH02	\$7,461	61
B0504FLF3BSHD01	\$6,969	67
B0504FLF3BSHJ01	\$9,583	72
B0504FLF3OSH02	\$6,783	54
B0504FLF3OSHD01	\$6,969	67
B0504FLF3OSHJ01	\$9,583	72
B0504FLF3USH02	\$6,783	54
B0504FLT3OSH	\$7,264	58
B0504FLT3USH	\$7,264	58
B0504VLF1OMH01	\$5,470	39
B0504VLF1UMH01	\$5,470	39
B0504YLF1AMH	\$10,793	77
B0504YLF1OMH	\$10,793	77
B0506FLF3BMHD01	\$11,790	67
B0506FLF3BMHJ01	\$15,338	72
B0506FLF3OMH02	\$11,241	54
B0506FLF3OMHD01	\$11,790	67
B0506FLF3OMHJ01	\$15,338	72
B0506FLF3UMH02	\$11,241	54
B0506VLF3OSH	\$9,855	39
B0506VLF3USH	\$9,855	39
B0506YLF3OMH	\$16,275	77
B0506YLF3UMH	\$16,275	77
B0508FLF3BMHD	\$18,546	67
B0508FLF3BMHJ	\$19,972	72
B0508FLF3OMH	\$17,407	54
B0508FLF3OMHD	\$18,546	67
B0508FLF3OMHJ	\$19,972	72
B0508FLF3UMH	\$17,407	54

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B0508YLF3ASH	\$19,869	77
B0508YLF3OSH	\$19,869	77
B0602FLC3OMH01	\$10,493	61
B0602FLC3UMH01	\$10,493	61
B0602FLG3BMHD02	\$11,194	67
B0602FLG3BMHJ	\$12,477	72
B0602FLG3OMH02	\$9,432	54
B0602FLG3OMHD02	\$11,194	67
B0602FLG3OMHJ	\$12,477	72
B0602FLG3UMH02	\$9,432	54
B0602FLU3OMH	\$10,307	58
B0602FLU3UMH	\$10,307	58
B0602VLG3OMH	\$6,499	39
B0602VLG3UMH	\$6,499	39
B0602YLG3OMH	\$16,231	77
B0602YLG3UMH	\$16,231	77
B0604FLC3OMH02	\$10,620	62
B0604FLC3UMH02	\$10,620	62
B0604FLF3BMHD01	\$10,570	67
B0604FLF3BMHJ01	\$12,372	72
B0604FLF3OMH02	\$9,559	54
B0604FLF3OMHD01	\$10,570	67
B0604FLF3OMHJ01	\$12,372	72
B0604FLF3UMH02	\$9,559	54
B0604FLT3OMH	\$10,434	58
B0604FLT3UMH	\$10,434	58
B0604VLF3OSH	\$6,582	39
B0604VLF3USH	\$6,582	39
B0604YLF3OMH	\$15,684	77
B0604YLF3UMH	\$15,684	77
B0606FLF3BSHD01	\$10,855	90
B0606FLF3BSHJ01	\$12,706	96
B0606FLF3OSH02	\$10,061	83
B0606FLF3OSHD01	\$10,855	90
B0606FLF3OSHJ01	\$12,706	96
B0606FLF3USH02	\$10,061	83
B0606VLF3OSH	\$11,498	39
B0606VLF3USH	\$11,498	39
B0606YLF3OSH	\$20,371	77
B0606YLF3USH	\$20,371	77
B0608FLF3BSHD	\$21,220	67
B0608FLF3BSHJ	\$22,551	72
B0608FLF3OSH	\$19,884	54
B0608FLF3OSHD	\$21,220	67
B0608FLF3OSHJ	\$22,551	72
B0608FLF3USH	\$19,884	54
B0608YLF3ASH	\$22,599	78
B0608YLF3OSH	\$22,599	78
B0752FLC3OMH02	\$12,939	62
B0752FLC3UMH02	\$12,939	62
B0752FLG3BMHD02	\$13,387	67
B0752FLG3BMHJ01	\$15,675	73
B0752FLG3OMH02	\$11,878	54

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B0752FLG3OMHD01	\$13,387	67
B0752FLG3OMHJ	\$15,675	73
B0752FLG3UMH02	\$11,878	54
B0752FLU3OMH	\$12,753	58
B0752FLU3UMH	\$12,753	58
B0752VLG3OSH	\$8,905	39
B0752VLG3USH	\$8,905	39
B0752YLG3OMH	\$18,810	78
B0752YLG3UMH	\$18,810	78
B0754FLC3OMH02	\$13,376	62
B0754FLC3UMH02	\$13,376	62
B0754FLF3BMHD01	\$12,685	67
B0754FLF3BMHJ01	\$15,684	73
B0754FLF3OMH02	\$12,315	54
B0754FLF3OMHD01	\$12,685	67
B0754FLF3OMHJ01	\$15,684	73
B0754FLF3UMH02	\$12,315	54
B0754FLT3OMH	\$13,190	58
B0754FLT3UMH	\$13,190	58
B0754VLF3OSH	\$7,847	39
B0754VLF3USH	\$7,847	39
B0754YLF3OMH	\$19,295	78
B0754YLF3UMH	\$19,295	78
B0756FLF3BSHD01	\$12,780	90
B0756FLF3BSHJ01	\$15,750	96
B0756FLF3OSH02	\$12,750	83
B0756FLF3OSHD01	\$12,780	90
B0756FLF3OSHJ01	\$15,750	96
B0756FLF3USH02	\$12,750	83
B0756VLF3OSH	\$13,398	39
B0756VLF3USH	\$13,398	39
B0756YLF3OSH	\$22,564	78
B0756YLF3USH	\$22,564	78
B0758FLF4BSHD	\$27,918	67
B0758FLF4BSHJ	\$29,176	73
B0758FLF4OSH	\$26,205	54
B0758FLF4OSHD	\$27,918	67
B0758FLF4OSHJ	\$29,176	73
B0758FLF4USH	\$26,205	54
B0758YLF4ASH	\$27,271	78
B0758YLF4OSH	\$27,271	78
B1/24EMC2AOZ	\$468	59
B1/24EMC2OOZ	\$468	59
B1/24EMF2AOZ	\$435	43
B1/24EMF2OOZ	\$435	43
B1/24FLF2AMH	\$751	51
B1/24FLF2OMH	\$751	51
B1/262LC1BMHD	\$3,895	124
B1/262LC1OMHD	\$3,895	124
B1/262LC2AMH	\$2,218	122
B1/262LC2OMH	\$2,218	122
B1/262LF1BMHD	\$3,720	120
B1/262LF1OMHD	\$3,720	120

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B1/262LF2AMH	\$2,043	118
B1/262LF2OMH	\$2,043	118
B1/26FLF2AMH	\$886	51
B1/26FLF2OMH	\$886	51
B1/26FMC2AOZ	\$654	59
B1/26FMC2OOZ	\$654	59
B1/26FMF2AOZ	\$632	43
B1/26FMF2OOZ	\$632	43
B1/28FLF2AM	\$956	48
B1/28FLF2OM	\$956	48
B1002FLG3BSHD01	\$14,095	90
B1002FLG3BSHJ	\$16,501	96
B1002FLG3OSH02	\$12,472	83
B1002FLG3OSHD01	\$14,095	90
B1002FLG3OSHJ	\$16,501	96
B1002FLG3USH02	\$12,472	83
B1002VLG3OSH	\$11,139	39
B1002VLG3USH	\$11,139	39
B1002YLG3OSH	\$25,447	78
B1002YLG3USH	\$25,447	78
B1004FLF3BSHD01	\$12,313	90
B1004FLF3BSHJ01	\$15,444	96
B1004FLF3OSH03	\$11,878	83
B1004FLF3OSHD01	\$12,313	90
B1004FLF3OSHJ01	\$15,444	96
B1004FLF3USH03	\$11,878	83
B1004VLF3OSH	\$10,317	39
B1004VLF3USH	\$10,317	39
B1004YLF3OSH	\$23,725	78
B1004YLF3USH	\$23,725	78
B1006FLF4BSHD01	\$17,467	91
B1006FLF4BSHJ01	\$20,451	96
B1006FLF4OSH01	\$16,842	84
B1006FLF4OSHD01	\$17,467	91
B1006FLF4OSHJ01	\$20,451	96
B1006FLF4USH01	\$16,842	84
B1006VLF4OSH	\$16,969	39
B1006VLF4USH	\$16,969	39
B1006YLF4OSH	\$31,362	78
B1006YLF4USH	\$31,362	78
B1008FLF4BSHD	\$34,562	67
B1008FLF4BSHJ	\$35,620	73
B1008FLF4OSH	\$32,398	55
B1008FLF4OSHD	\$34,562	67
B1008FLF4OSHJ	\$35,620	73
B1008FLF4USH	\$32,398	55
B1251FLG3BSHD01	\$17,503	91
B1251FLG3BSHJ	\$21,355	97
B1251FLG3OSH	\$15,284	84
B1251FLG3OSHD01	\$17,503	91
B1251FLG3OSHJ	\$21,355	97
B1251FLG3USH	\$15,284	84
B1251YLG3OSH	\$31,891	78

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B1251YLG3USH	\$31,891	78
B1252VLG3OSH	\$13,458	39
B1252VLG3USH	\$13,458	39
B1253FLG3BSHD01	\$17,503	91
B1253FLG3BSHJ	\$21,355	97
B1253FLG3OSH01	\$15,284	84
B1253FLG3OSHD01	\$17,503	91
B1253FLG3OSHJ	\$21,355	97
B1253FLG3USH01	\$15,284	84
B1253YLG3OSH	\$31,891	78
B1253YLG3USH	\$31,891	78
B1254FLF3BSHD	\$16,266	91
B1254FLF3BSHJ	\$19,846	97
B1254FLF3OSH	\$14,970	84
B1254FLF3OSHD	\$16,266	91
B1254FLF3OSHJ	\$19,846	97
B1254FLF3USH	\$14,970	84
B1254FLF4BSHD01	\$16,266	91
B1254FLF4BSHJ01	\$19,846	97
B1254FLF4OSH01	\$14,970	84
B1254FLF4OSHD01	\$16,266	91
B1254FLF4OSHJ01	\$19,846	97
B1254FLF4USH01	\$14,970	84
B1254VLF3OSH	\$11,636	39
B1254VLF3USH	\$11,636	39
B1254YLF40SH	\$27,822	78
B1254YLF4USH	\$27,822	78
B1256FLF4BSHD01	\$20,382	91
B1256FLF4BSHJ01	\$24,872	97
B1256FLF4OSH01	\$17,364	84
B1256FLF4OSHD01	\$20,382	91
B1256FLF4OSHJ01	\$24,872	97
B1256FLF4USH01	\$17,364	84
B1256VLF40SH	\$19,272	39
B1256VLF4USH	\$19,272	39
B1256YLF40SH	\$33,696	78
B1256YLF4USH	\$33,696	78
B1258FLF4BMH	\$34,521	55
B1258FLF4BMHL	\$38,061	55
B1258FLF4BSHD	\$37,773	67
B1258FLF4BSHDL	\$37,773	67
B1258FLF4BSHJ	\$38,636	73
B1258FLF4BSHJL	\$38,636	73
B1258FLF4OMH	\$34,521	55
B1258FLF4OMHL	\$38,061	55
B1258FLF4OSHD	\$39,663	67
B1258FLF4OSHDL	\$39,663	67
B1258FLF4OSHJ	\$38,636	73
B1258FLF4OSHJL	\$38,636	73
B1501YLG3OSH	\$37,327	78
B1501YLG3USH	\$37,327	78
B1502VLG3OSH	\$16,371	39
B1502VLG3USH	\$16,371	39

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B1503YLG3OSH	\$37,327	78
B1503YLG3USH	\$37,327	78
B1504FLF3BSHD	\$18,909	91
B1504FLF3BSHJ	\$23,072	97
B1504FLF3OSH	\$17,469	84
B1504FLF3OSHD	\$18,909	91
B1504FLF3OSHJ	\$23,072	97
B1504FLF3USH	\$17,469	84
B1504FLF4BSHD01	\$18,909	91
B1504FLF4BSHJ01	\$23,072	97
B1504FLF4OSH01	\$17,469	84
B1504FLF4OSHD01	\$18,909	91
B1504FLF4OSHJ01	\$23,072	97
B1504FLF4USH01	\$17,469	84
B1504VLF40SH	\$16,803	39
B1504VLF4USH	\$16,803	39
B1504YLF40MH	\$32,891	78
B1504YLF4USH	\$32,891	78
B1506FLF4BSH01	\$20,274	84
B1506FLF4BSHD01	\$22,804	91
B1506FLF4BSHJ01	\$27,828	97
B1506FLF4OSH01	\$20,274	84
B1506FLF4OSHD01	\$22,804	91
B1506FLF4OSHJ01	\$27,828	97
B1506VLF4BSH	\$21,365	40
B1506VLF40SH	\$21,365	40
B1506VLG3BSH	\$21,365	39
B1506VLG3OSH	\$21,365	40
B1506YLF4BMH	\$36,664	78
B1506YLF4OMH	\$36,664	78
B1508FLF4BMH	\$58,092	55
B1508FLF4BMHL	\$43,906	55
B1508FLF4BSHD	\$63,017	67
B1508FLF4BSHDL	\$47,845	67
B1508FLF4BSHJL	\$48,365	73
B1508FLF4OMH	\$58,092	55
B1508FLF4OMHL	\$43,906	55
B1508FLF4OSHD	\$63,017	67
B1508FLF4OSHDL	\$47,845	67
B1508FLF4OSHJL	\$48,365	73
B1508FLG3BMH	\$54,881	55
B1508FLG3BSHD	\$59,806	67
B1508FLG3OMH	\$54,881	55
B1508FLG3OSHD	\$59,806	67
B2001FLG3BSH	\$24,813	84
B2001FLG3BSHD	\$26,599	91
B2001FLG3BSHJ	\$32,456	97
B2001FLG3OSH	\$24,813	84
B2001FLG3OSHD	\$26,599	91
B2001FLG3OSHJ	\$32,456	97
B2001YLG3BSH	\$45,550	78
B2001YLG3OSH	\$45,550	78
B2002VLG3OSH	\$25,467	40

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B2002VLG3USH	\$25,467	40
B2003FLG3BSH01	\$24,813	84
B2003FLG3BSHD	\$26,599	91
B2003FLG3BSHJ	\$32,456	97
B2003FLG3OSH01	\$24,813	84
B2003FLG3OSHD	\$26,599	91
B2003FLG3OSHJ	\$32,456	97
B2003YLG3BSH	\$45,550	78
B2003YLG3OSH	\$45,550	78
B2004FLF3BSHD	\$23,000	91
B2004FLF3BSHJ01	\$28,067	97
B2004FLF3OSH	\$20,997	84
B2004FLF3OSHD	\$23,000	91
B2004FLF3OSHJ	\$28,067	97
B2004FLF3USH	\$20,997	84
B2004FLF4BSH01	\$20,997	84
B2004FLF4BSHD01	\$23,000	91
B2004FLF4BSHJ01	\$28,067	97
B2004FLF4OSH01	\$20,997	84
B2004FLF4OSHD01	\$23,000	91
B2004FLF4OSHJ01	\$28,067	97
B2004VLF40SH	\$20,261	40
B2004VLF4USH	\$20,261	40
B2004YLF4BSH	\$38,874	78
B2004YLF40SH	\$38,874	78
B2006FLF4BMHL	\$25,224	84
B2006FLF4BSH	\$30,153	84
B2006FLF4BSHD	\$32,620	91
B2006FLF4BSHDL	\$28,710	91
B2006FLF4BSHJL	\$34,094	97
B2006FLF4OMHL	\$25,224	84
B2006FLF4OSH	\$30,153	84
B2006FLF4OSHD	\$32,620	91
B2006FLF4OSHDL	\$28,710	91
B2006FLF4OSHJL	\$34,094	97
B2006FLG3BSH	\$27,575	84
B2006FLG3BSHD	\$30,042	91
B2006FLG3OSH	\$27,575	84
B2006FLG3OSHD	\$30,042	91
B2006VLF4BMH	\$34,594	40
B2006VLF4OMH	\$34,594	40
B2006VLG3BMH	\$31,383	40
B2006VLG3OMH	\$31,383	40
B2008FLF4BMH	\$64,469	55
B2008FLF4BMHL	\$49,007	55
B2008FLF4BSHD	\$66,010	67
B2008FLF4BSHDL	\$50,238	67
B2008FLF4BSHJL	\$54,433	73
B2008FLF4OMH	\$64,469	55
B2008FLF4OMHL	\$49,007	55
B2008FLF4OSHD	\$66,010	67
B2008FLF4OSHDL	\$50,238	67
B2008FLF4OSHJL	\$54,433	73

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B2008FLG3BMH	\$61,258	55
B2008FLG3BSHD	\$62,799	67
B2008FLG3OMH	\$61,258	55
B2008FLG4OSHD	\$62,799	67
B2501FKG3BM	\$40,602	44
B2501FKG3OM	\$40,602	44
B2501FLG3BMH	\$32,474	84
B2501FLG3BMHD	\$35,559	91
B2501FLG3BMHDL	\$34,134	91
B2501FLG3BMHL	\$31,172	84
B2501FLG3BML	\$37,802	44
B2501FLG3OMH	\$32,474	84
B2501FLG3OMHD	\$35,559	91
B2501FLG3OMHDL	\$34,134	91
B2501FLG3OMHL	\$31,172	84
B2501FLG3OML	\$37,802	44
B2502VLG3OMH	\$27,594	40
B2502VLG3OS	\$23,482	30
B2502VLG3UM	\$23,482	30
B2502VLG3UMH	\$27,594	40
B2503FKG3BM	\$40,602	44
B2503FKG3OM	\$40,602	44
B2503FLG3BMH	\$32,474	84
B2503FLG3BMHD	\$35,559	91
B2503FLG3BMHDL	\$34,134	91
B2503FLG3BMHL	\$31,172	84
B2503FLG3BML	\$37,802	44
B2503FLG3BSHJL	\$37,193	97
B2503FLG3OMH	\$32,474	84
B2503FLG3OMHD	\$35,559	91
B2503FLG3OMHDL	\$34,134	91
B2503FLG3OMHL	\$31,172	84
B2503FLG3OML	\$37,802	44
B2503FLG3OSHJL	\$37,193	97
B2504FKF4BSF	\$26,709	44
B2504FKF4OSF	\$26,709	44
B2504FLF3BMHDL	\$27,912	91
B2504FLF3BMHL	\$25,490	84
B2504FLF3BSHJL	\$30,659	97
B2504FLF4BM	\$37,032	44
B2504FLF4BMH	\$29,717	85
B2504FLF4BMHD	\$32,540	92
B2504FLF4BMHDL	\$27,912	91
B2504FLF4BMHL	\$25,490	84
B2504FLF4BML	\$31,423	44
B2504FLF4BSHJL	\$30,659	97
B2504FLF4OM	\$37,032	44
B2504FLF4OMH	\$29,717	85
B2504FLF4OMHD	\$32,540	92
B2504FLF4OMHDL	\$27,912	92
B2504FLF4OMHL	\$25,490	85
B2504FLF4OML	\$31,423	44
B2504FLF4OSHJL	\$30,659	97

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B2504FLG3BM	\$33,751	44
B2504FLG3BMH	\$27,139	84
B2504FLG3BMHD	\$29,717	91
B2504FLG3OM	\$33,751	44
B2504FLG3OMH	\$27,139	85
B2504FLG3OMHD	\$29,717	92
B2504VLF4BM	\$20,746	30
B2504VLF4BMH	\$28,440	40
B2504VLF4OM	\$20,746	30
B2504VLF4OMH	\$28,440	40
B2504VLG3BM	\$20,746	30
B2504VLG3BMH	\$28,440	40
B2504VLG3OM	\$20,746	30
B2504VLG3OMH	\$28,440	40
B2506FLF4BM	\$42,936	44
B2506FLF4BMH01	\$36,073	85
B2506FLF4BMHD	\$39,500	92
B2506FLF4BMHDL	\$34,843	92
B2506FLF4BMHL	\$31,820	85
B2506FLF4BML	\$36,920	44
B2506FLF4BSHJL	\$37,937	97
B2506FLF4OM	\$42,936	44
B2506FLF4OMH01	\$36,073	85
B2506FLF4OMHD	\$39,500	92
B2506FLF4OMHDL	\$34,843	92
B2506FLF4OMHL	\$31,820	85
B2506FLF4OML	\$36,920	44
B2506FLF4OSHJL	\$37,937	97
B2506FLG3BM	\$39,655	44
B2506FLG3BMH01	\$33,495	85
B2506FLG3BMHD	\$36,677	92
B2506FLG3OM	\$39,655	44
B2506FLG3OMH01	\$33,495	85
B2506FLG3OMHD	\$36,677	92
B2506VLF4BM	\$27,901	30
B2506VLF4BME	\$22,964	30
B2506VLF4BMH	\$36,174	40
B2506VLF4OM	\$27,901	30
B2506VLF4OME	\$22,964	30
B2506VLF4OMH	\$36,174	40
B2506VLG3BM	\$24,620	30
B2506VLG3BMH	\$32,963	40
B2506VLG3OM	\$24,620	30
B2506VLG3OMH	\$32,963	40
B2508FLF4BM	\$58,773	44
B2508FLF4BMH	\$64,309	55
B2508FLF4BMHDL	\$65,956	68
B2508FLF4BMHL	\$61,247	55
B2508FLF4BML	\$52,718	44
B2508FLF4OM	\$58,773	44
B2508FLF4OMH	\$64,309	55
B2508FLF4OMHDL	\$65,956	68
B2508FLF4OMHL	\$61,247	55

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B2508FLF4OML	\$52,718	44
B2508FLG4BM	\$55,492	44
B2508FLG4OM	\$55,492	44
B2508VLF4BD	\$36,745	30
B2508VLF4OD	\$36,745	30
B2508VLG3BM	\$33,464	30
B2508VLG3OM	\$33,464	30
B3/42FMC2AOZ	\$430	59
B3/42FMC2OOZ	\$430	59
B3/42FMF2AOZ	\$430	43
B3/42FMF2OOZ	\$430	43
B3/44FLF2AMH	\$790	51
B3/44FLF2OMH	\$790	51
B3/44FMC2AOZ	\$500	59
B3/44FMC2OOZ	\$500	59
B3/44FMF2AOZ	\$468	43
B3/44FMF2OOZ	\$468	43
B3/462LC1BMHD	\$3,955	124
B3/462LC1OMHD	\$3,955	124
B3/462LC2AMH	\$2,268	122
B3/462LC2OMH	\$2,268	122
B3/462LF1BMHD	\$3,780	120
B3/462LF1OMHD	\$3,780	120
B3/462LF2AMH	\$2,093	118
B3/462LF2OMH	\$2,093	118
B3/46DLF2AMH02	\$792	37
B3/46DLF2OMH02	\$792	37
B3/46FLC2AMH02	\$1,063	60
B3/46FLC2AOZ	\$684	59
B3/46FLC2OMH02	\$1,063	60
B3/46FLC2OOZ	\$684	59
B3/46FLF1BMHD02	\$949	64
B3/46FLF1BYHD	\$863	64
B3/46FLF1OMHD02	\$949	64
B3/46FLF2AMH03	\$932	51
B3/46FLF2AOZ	\$647	43
B3/46FLF2AYH	\$807	51
B3/46FLF2OMH03	\$888	51
B3/46FLF2OOZ	\$647	43
B3/46FLF2OYH	\$807	52
B3/46FLF3BMHJ01	\$1,161	70
B3/46FLF3OMHJ01	\$1,161	70
B3/46FLT2AMH	\$1,008	56
B3/46FLT2OMH	\$1,008	56
B3/46YLF2ASH	\$1,618	75
B3/46YLF2OSH	\$1,618	75
B3/48FLF1BMHD	\$1,561	64
B3/48FLF1OMHD	\$1,561	64
B3/48FLF2AM03	\$1,050	48
B3/48FLF2AMH	\$1,517	52
B3/48FLF2OM03	\$1,050	48
B3/48FLF2OMH	\$1,517	52
B3/48FLF3BMHJ	\$2,579	70

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B3/48FLF3OMHJ	\$2,579	70
B3/48YLF2ASH	\$1,949	75
B3/48YLF2OSH	\$1,949	75
B3001FLG3BM	\$50,260	44
B3001FLG3BMHDL	\$42,611	92
B3001FLG3BMHL	\$38,830	85
B3001FLG3BML	\$46,795	44
B3001FLG3OM	\$50,260	44
B3001FLG3OMHDL	\$42,611	92
B3001FLG3OMHL	\$38,830	85
B3001FLG3OML	\$46,795	44
B3001FLG8BMH	\$40,275	85
B3001FLG8BMHD	\$44,056	92
B3001FLG8OMH	\$40,275	85
B3001FLG8OMHD	\$44,056	92
B3002VLG3BM	\$27,577	30
B3002VLG3BMH	\$35,919	40
B3002VLG3OM	\$27,577	30
B3002VLG3OMH	\$35,919	40
B3003FLG3BM	\$50,260	44
B3003FLG3BMHDL	\$42,611	92
B3003FLG3BMHL	\$38,830	85
B3003FLG3BML	\$46,795	44
B3003FLG3BSHJL	\$46,095	97
B3003FLG3OM	\$50,260	44
B3003FLG3OMHDL	\$42,611	92
B3003FLG3OMHL	\$38,830	85
B3003FLG3OML	\$46,795	44
B3003FLG3OSHJL	\$46,095	97
B3003FLG8BMH	\$40,275	85
B3003FLG8BMHD	\$44,056	92
B3003FLG8OMH	\$40,275	85
B3003FLG8OMHD	\$44,056	92
B3004FLF3BMHDL	\$32,541	92
B3004FLF3BMHL	\$29,717	85
B3004FLF3BSHJL	\$35,519	97
B3004FLF4BM	\$42,951	44
B3004FLF4BMH01	\$33,785	85
B3004FLF4BMHD	\$36,995	92
B3004FLF4BMHDL	\$32,540	92
B3004FLF4BMHL	\$29,717	85
B3004FLF4BML	\$36,936	44
B3004FLF4BSHJL	\$35,519	97
B3004FLF4OM	\$42,951	44
B3004FLF4OMH01	\$33,785	85
B3004FLF4OMHD	\$36,995	92
B3004FLF4OMHDL	\$32,540	92
B3004FLF4OMHL	\$29,717	85
B3004FLF4OML	\$36,936	44
B3004FLF4OSHJL	\$35,519	97
B3004FLG3BM	\$39,670	44
B3004FLG3BMH01	\$31,207	85
B3004FLG3BMHD	\$34,172	92

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B3004FLG3OM	\$39,670	44
B3004FLG3OMH01	\$31,207	85
B3004FLG3OMHD	\$34,172	92
B3004VLF4BM	\$23,014	30
B3004VLF4BMH	\$29,846	40
B3004VLF4OM	\$23,014	30
B3004VLF4OMH	\$29,846	40
B3004VLG3BM	\$23,014	30
B3004VLG3BMH	\$29,846	40
B3004VLG3OM	\$23,014	30
B3004VLG3OMH	\$29,846	40
B3006FLF4BM	\$48,024	45
B3006FLF4BMH01	\$48,200	85
B3006FLF4BMHD	\$51,981	92
B3006FLF4BMHDL	\$47,205	92
B3006FLF4BMHL	\$43,424	85
B3006FLF4BML	\$41,656	44
B3006FLF4BSHJL	\$50,917	97
B3006FLF4OM	\$48,024	45
B3006FLF4OMH01	\$48,200	85
B3006FLF4OMHD	\$51,981	92
B3006FLF4OMHDL	\$47,205	92
B3006FLF4OMHL	\$43,424	85
B3006FLF4OML	\$41,656	44
B3006FLF4OSHJL	\$50,917	97
B3006FLG3BM	\$44,743	45
B3006FLG3BMH01	\$45,622	85
B3006FLG3BMHD	\$49,403	92
B3006FLG3OM	\$44,743	45
B3006FLG3OMH	\$45,622	85
B3006FLG3OMHD	\$49,403	92
B3006VKF4BME	\$26,667	30
B3006VKF4OME	\$26,667	30
B3006VKG3BME	\$26,667	30
B3006VKG3OME	\$26,667	30
B3006VLF4BM	\$31,871	31
B3006VLF4BMH	\$43,482	40
B3006VLF4OM	\$31,871	31
B3006VLF4OMH	\$43,482	40
B3006VLG3BM	\$28,590	31
B3006VLG3BMH	\$40,271	40
B3006VLG3OM	\$28,590	31
B3006VLG3OMH	\$40,271	40
B3501FLG3BMHDL	\$47,133	92
B3501FLG3BMHL	\$43,352	85
B3501FLG3BML	\$50,476	45
B3501FLG3OMHDL	\$47,133	92
B3501FLG3OMHL	\$43,352	85
B3501FLG3OML	\$50,476	45
B3501FLG8BM	\$51,487	45
B3501FLG8OM	\$51,487	45
B3502VLG3BM	\$31,587	31
B3502VLG3BMH	\$38,997	40

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B3502VLG3OM	\$31,587	31
B3502VLG3OMH	\$38,997	40
B3503FLG3BMHDL	\$47,133	92
B3503FLG3BMHL	\$43,352	85
B3503FLG3BML	\$50,476	45
B3503FLG3OMHDL	\$47,133	92
B3503FLG3OMHL	\$43,352	85
B3503FLG3OML	\$50,476	45
B3503FLG8BM	\$51,487	45
B3503FLG8BMH	\$45,509	85
B3503FLG8BMHD	\$49,290	92
B3503FLG8OM	\$51,487	45
B3503FLG8OMH	\$45,509	85
B3503FLG8OMHD	\$49,290	92
B3504FLF3BMHDL	\$36,588	92
B3504FLF3BMHL	\$33,414	85
B3504FLF4BM	\$46,851	45
B3504FLF4BMH01	\$37,661	85
B3504FLF4BMHD	\$41,239	92
B3504FLF4BMHDL	\$36,588	92
B3504FLF4BMHL	\$33,414	85
B3504FLF4BML	\$40,567	45
B3504FLF4OM	\$46,851	45
B3504FLF4OMH	\$37,661	85
B3504FLF4OMHD	\$41,239	92
B3504FLF4OMHDL	\$36,588	92
B3504FLF4OMHL	\$33,414	85
B3504FLF4OML	\$40,567	45
B3504FLG3BM	\$43,570	45
B3504FLG3BMH01	\$35,083	85
B3504FLG3BMHD	\$38,416	92
B3504FLG3OM	\$43,570	45
B3504FLG3OMH01	\$35,083	85
B3504FLG3OMHD	\$38,416	92
B3504VLF4BM	\$30,515	31
B3504VLF4BME	\$25,401	31
B3504VLF4BMH	\$37,974	40
B3504VLF4OM	\$30,515	31
B3504VLF4OME	\$25,401	31
B3504VLF4OMH	\$37,974	40
B3504VLG3BM	\$27,234	31
B3504VLG3BME	\$25,401	31
B3504VLG3BMH	\$34,763	40
B3504VLG3OM	\$27,234	31
B3504VLG3OME	\$25,401	31
B3504VLG3OMH	\$34,763	40
B3506FLF4BM	\$51,609	45
B3506FLF4BMH	\$50,677	85
B3506FLF4BMHD	\$54,458	92
B3506FLF4BMHDL	\$49,563	92
B3506FLF4BMHL	\$45,782	85
B3506FLF4BML	\$48,569	45
B3506FLF4OM	\$51,609	45

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B3506FLF4OMH	\$50,677	85
B3506FLF4OMHD	\$54,458	93
B3506FLF4OMHDL	\$49,563	93
B3506FLF4OMHL	\$45,782	85
B3506FLF4OML	\$48,569	45
B3506FLG3BM	\$48,328	45
B3506FLG3BMH	\$48,099	85
B3506FLG3BMHD	\$51,880	92
B3506FLG3OM	\$48,328	45
B3506FLG3OMH	\$48,099	85
B3506FLG3OMHD	\$51,880	93
B3506VLF4BM	\$32,587	31
B3506VLF4OM	\$32,587	31
B3506VLG3BM	\$29,306	31
B3506VLG3OM	\$29,306	31
B4001FLG8BM	\$57,686	45
B4001FLG8BMH	\$54,004	86
B4001FLG8BMHD	\$57,786	93
B4001FLG8OM	\$57,686	45
B4001FLG8OMH	\$54,004	86
B4001FLG8OMHD	\$57,786	93
B4002VLG3BM	\$35,942	31
B4002VLG3BMH	\$45,278	40
B4002VLG3OM	\$35,942	31
B4002VLG3OMH	\$45,278	40
B4003FLG3BML	\$54,801	45
B4003FLG3OML	\$54,801	45
B4003FLG8BM	\$57,686	45
B4003FLG8BMH	\$54,004	86
B4003FLG8BMHD	\$57,786	93
B4003FLG8OM	\$57,686	45
B4003FLG8OMH	\$54,004	86
B4003FLG8OMHD	\$57,786	93
B4004FLF4BMH01	\$51,681	86
B4004FLF4BMHD	\$55,462	93
B4004FLF4BML	\$53,976	45
B4004FLF4OMH01	\$51,681	86
B4004FLF4OMHD	\$55,462	93
B4004FLF4OML	\$53,976	45
B4004FLG3BMH01	\$49,102	86
B4004FLG3BMHD	\$52,884	93
B4004FLG3OMH01	\$49,102	86
B4004FLG3OMHD	\$52,884	93
B4004VLF4BM	\$32,182	31
B4004VLF4BME	\$26,956	31
B4004VLF4BMH	\$47,044	40
B4004VLF4OM	\$32,182	31
B4004VLF4OME	\$26,956	31
B4004VLF4OMH	\$47,044	40
B4004VLG3BM	\$28,901	31
B4004VLG3BME	\$26,956	31
B4004VLG3BMH	\$43,833	40
B4004VLG3OM	\$28,901	31

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B4004VLG3OME	\$26,956	31
B4004VLG3OMH	\$43,833	40
B4501FLG8BM	\$63,525	46
B4501FLG8BMH	\$60,762	86
B4501FLG8BMHD	\$64,544	93
B4501FLG8OM	\$63,525	46
B4501FLG8OMH	\$60,762	86
B4501FLG8OMHD	\$64,544	93
B4502VLG3BM	\$39,287	31
B4502VLG3BME	\$36,645	31
B4502VLG3BMH	\$48,928	40
B4502VLG3OM	\$39,287	32
B4502VLG3OME	\$36,645	31
B4502VLG3OMH	\$48,928	40
B4503FLG8BM	\$63,525	46
B4503FLG8BMH	\$60,762	86
B4503FLG8BMHD	\$64,544	93
B4503FLG8OM	\$63,525	46
B4503FLG8OMH	\$60,762	86
B4503FLG8OMHD	\$64,544	93
B4504FLF4BM	\$61,254	46
B4504FLF4BMH	\$52,485	86
B4504FLF4BMHD	\$56,266	93
B4504FLF4OM	\$61,254	46
B4504FLF4OMH	\$52,485	86
B4504FLF4OMHD	\$56,266	93
B4504FLG3BM	\$57,973	46
B4504FLG3BMH	\$49,907	86
B4504FLG3BMHD	\$53,688	93
B4504FLG3OM	\$57,973	46
B4504FLG3OMH	\$49,907	86
B4504FLG3OMHD	\$53,688	93
B4504VKF4BME	\$28,201	32
B4504VKF4OME	\$28,201	32
B4504VKG3BME	\$28,201	32
B4504VKG3OME	\$28,201	32
B4504VLF4BM	\$35,724	32
B4504VLF4BMH	\$52,522	41
B4504VLF4OM	\$35,724	32
B4504VLF4OMH	\$52,522	41
B4504VLG3BM	\$32,443	32
B4504VLG3BMH	\$49,311	40
B4504VLG3OM	\$32,443	32
B4504VLG3OMH	\$49,311	40
B5001FKG8BMH	\$67,510	86
B5001FKG8BMHD	\$71,292	93
B5001FKG8OMH	\$67,510	87
B5001FKG8OMHD	\$71,292	93
B5002VLG3BM	\$42,711	32
B5002VLG3BME	\$39,836	32
B5002VLG3BMH	\$54,352	41
B5002VLG3OM	\$42,711	32
B5002VLG3OME	\$39,836	32

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B5002VLG3OMH	\$54,352	41
B5003FKG8BMH	\$67,510	86
B5003FKG8BMHD	\$71,292	93
B5003FKG8OMH	\$67,510	86
B5003FKG8OMHD	\$71,292	93
B5003FLG8BM	\$72,916	46
B5003FLG8OM	\$72,916	46
B5004FLF4BM	\$64,651	46
B5004FLF4BMH	\$58,030	87
B5004FLF4BMHD	\$61,811	93
B5004FLF4OM	\$64,651	46
B5004FLF4OMH	\$58,030	87
B5004FLF4OMHD	\$61,811	93
B5004FLG3BM	\$61,370	46
B5004FLG3BMH	\$55,452	87
B5004FLG3BMHD	\$59,233	93
B5004FLG3OM	\$61,370	46
B5004FLG3OMH	\$55,452	87
B5004FLG3OMHD	\$59,233	93
B5004VKF4BME	\$39,167	32
B5004VKF4OME	\$39,167	32
B5004VKG3BME	\$39,167	32
B5004VKG3OME	\$39,167	32
B5004VLF4BM	\$46,366	32
B5004VLF4BMH	\$59,312	41
B5004VLF4OM	\$46,366	32
B5004VLF4OMH	\$59,312	41
B5004VLG3BM	\$43,085	32
B5004VLG3BMH	\$56,191	41
B5004VLG3OM	\$43,085	32
B5004VLG3OMH	\$56,191	41
B6002VKG3BME	\$54,372	32
B6002VKG3OME	\$54,372	32
B7002VKG3BMH	\$69,529	41
B7002VKG3OMH	\$69,529	41
BY152DLF2AMH02	\$746	37
BY152DLF2AYH	\$623	37
BY152DLF2OMH02	\$746	37
BY152FLC2AMH02	\$1,028	60
BY152FLC2AOZ	\$560	59
BY152FLC2OMH02	\$1,028	60
BY152FLC2OOZ	\$560	59
BY152FLF1BMHD02	\$1,008	65
BY152FLF1BYHD	\$873	65
BY152FLF1OMHD02	\$1,008	65
BY152FLF2AMH03	\$895	52
BY152FLF2AOZ	\$557	43
BY152FLF2AYH	\$745	52
BY152FLF2OMH03	\$895	52
BY152FLF2OOZ	\$557	43
BY152FLF2OYH	\$745	52
BY152FLF3BMHJ01	\$1,123	70
BY152FLF3OMHJ01	\$1,123	70

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BY152FLT2AMH	\$973	56
BY152FLT2OMH	\$973	56
BY152YLF2AMH	\$1,602	75
BY152YLF2OMH	\$1,602	75
BY1543LC1BMHD	\$4,049	124
BY1543LC1OMHD	\$4,049	124
BY1543LC2AMH	\$2,340	122
BY1543LC2OMH	\$2,340	122
BY1543LF1BMHD	\$3,874	120
BY1543LF1OMHD	\$3,874	120
BY1543LF2AMH	\$2,165	118
BY1543LF2OMH	\$2,165	118
BY154DLF2AMH02	\$721	37
BY154DLF2AYH	\$623	37
BY154DLF2OMH02	\$721	37
BY154FLC2AMH02	\$1,001	60
BY154FLC2AOZ	\$566	59
BY154FLC2OMH02	\$1,001	60
BY154FLC2OOZ	\$566	59
BY154FLF1BMHD02	\$958	65
BY154FLF1BYHD	\$871	65
BY154FLF1OMHD02	\$958	65
BY154FLF2AMH03	\$868	52
BY154FLF2AOZ	\$549	43
BY154FLF2AYH	\$752	52
BY154FLF2OMH03	\$868	52
BY154FLF2OOZ	\$549	43
BY154FLF2OYH	\$752	52
BY154FLF3BMHJ01	\$1,111	70
BY154FLF3OMHJ01	\$1,111	70
BY154FLT2AMH	\$947	56
BY154FLT2AYH	\$872	56
BY154FLT2OMH	\$947	56
BY154YLF2AMH	\$1,583	75
BY154YLF2OSH	\$1,583	75
BY1563LC1BMHD	\$4,379	124
BY1563LC1OMHD	\$4,379	124
BY1563LC2AMH	\$2,631	122
BY1563LC2OMH	\$2,631	122
BY1563LF1BMHD	\$4,204	120
BY1563LF1OMHD	\$4,204	120
BY1563LF2AMH	\$2,456	118
BY1563LF2OMH	\$2,456	118
BY156DLF2AMH02	\$895	37
BY156DLF2OMH02	\$895	37
BY156FLC2AMH02	\$1,174	60
BY156FLC2AOZ	\$765	59
BY156FLC2OMH02	\$1,174	60
BY156FLC2OOZ	\$765	59
BY156FLF1BMHD02	\$1,144	65
BY156FLF1BYHD	\$1,040	65
BY156FLF1OMHD02	\$1,144	65
BY156FLF2AMH03	\$1,049	52

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BY156FLF2AOZ	\$752	43
BY156FLF2AYH	\$907	52
BY156FLF2OMH03	\$999	52
BY156FLF2OOZ	\$752	43
BY156FLF2OYH	\$907	52
BY156FLF3BMHJ01	\$1,529	70
BY156FLF3OMHJ01	\$1,529	70
BY156FLT2AMH	\$1,120	56
BY156FLT2OMH	\$1,120	56
BY156YLF2ASH	\$1,776	75
BY156YLF2OSH	\$1,776	75
BY1584LC1BMHD	\$5,390	124
BY1584LC1OMHD	\$5,390	124
BY1584LC2AMH	\$3,639	122
BY1584LC2OMH	\$3,639	122
BY1584LF1BMHD	\$5,172	120
BY1584LF1OMHD	\$5,172	120
BY1584LF2AMH	\$3,420	118
BY1584LF2OMH	\$3,420	118
BY158FLF1BMHD	\$2,001	65
BY158FLF1OMHD	\$2,001	65
BY158FLF2AMH	\$1,883	52
BY158FLF2OMH	\$1,883	52
BY158FLF3BMHJ	\$3,123	70
BY158FLF3OMHJ	\$3,123	70
BY158YLF2ASH	\$2,237	75
BY158YLF2OSH	\$2,237	75
BY752DLF2AMH02	\$1,526	38
BY752DLF2AYH	\$1,386	38
BY752DLF2OMH02	\$1,526	38
BY752FLC2OMH01	\$1,673	61
BY752FLC2UMH01	\$1,673	61
BY752FLF1BMHD04	\$1,782	66
BY752FLF2OMH04	\$1,527	53
BY752FLF2UMH04	\$1,527	53
BY752FLF3BMHJ02	\$2,161	71
BY752FLF3OMHD04	\$1,782	66
BY752FLF3OMHJ02	\$2,161	71
BY752FLT2OMH	\$1,629	57
BY752FLT2UMH	\$1,629	57
BY752YLF2OMH	\$2,765	76
BY752YLF2UMH	\$2,765	76
BY7545LC2OSH	\$4,801	123
BY7545LC2USH	\$4,801	123
BY7545LC3BSHD	\$6,525	125
BY7545LC3OSHD	\$6,525	125
BY7545LF2OSH	\$4,582	119
BY7545LF2USH	\$4,582	119
BY7545LF3BSHD	\$6,306	121
BY7545LF3OSHD	\$6,306	121
BY754DLF2OSH01	\$1,321	38
BY754DLF2USH01	\$1,321	38
BY754FLC2OSH01	\$1,673	61

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BY754FLC2USH01	\$1,673	61
BY754FLF1BSHD04	\$1,688	66
BY754FLF2OSH04	\$1,454	53
BY754FLF2USH04	\$1,454	53
BY754FLF3BSHJ01	\$2,145	71
BY754FLF3OSHD04	\$1,688	66
BY754FLF3OSHJ01	\$2,145	71
BY754FLT2OSH	\$1,629	57
BY754FLT2USH	\$1,629	57
BY754YLF2OMH	\$2,633	76
BY754YLF2USH	\$2,633	76
BY7566LC2OSH	\$6,423	123
BY7566LC2USH	\$6,423	123
BY7566LC3BSHD	\$8,785	125
BY7566LC3OSHD	\$8,785	125
BY7566LF2OSH	\$6,073	119
BY7566LF2USH	\$6,073	119
BY7566LF3BSHD	\$8,435	121
BY7566LF3OSHD	\$8,435	121
BY756DLF2OMH01	\$2,178	38
BY756DLF2UMH01	\$2,178	38
BY756FLC2OSH01	\$2,826	61
BY756FLC2USH01	\$2,826	61
BY756FLF1BMHD02	\$2,826	66
BY756FLF2OSH02	\$2,476	53
BY756FLF2USH02	\$2,476	53
BY756FLF3BMHJ01	\$3,574	71
BY756FLF3OMHD02	\$2,826	66
BY756FLF3OMHJ01	\$3,574	71
BY756FLT2OSH	\$2,771	57
BY756FLT2USH	\$2,771	57
BY756YLF2OMH	\$3,981	76
BY756YLF2USH	\$3,981	76
BY7586LF2OSH	\$9,200	119
BY7586LF2USH	\$9,200	119
BY7586LF3BSHD	\$11,628	121
BY7586LF3OSHD	\$11,628	121
BY7587LC2OSH	\$9,550	123
BY7587LC2USH	\$9,550	123
BY7587LC3BSHD	\$11,978	125
BY7587LC3OSHD	\$11,978	125
BY758FLF2OSH	\$4,713	53
BY758FLF2USH	\$4,713	53
BY758FLF3BMHD	\$5,013	66
BY758FLF3BMHJ	\$6,248	71
BY758FLF3OMHD	\$5,013	66
BY758FLF3OMHJ	\$6,248	71
BY758YLF2OMH	\$4,814	76
BY758YLF2USH	\$4,814	76
C0014FLF2OMWQ	\$558	127
C0014FLF2UMWQ	\$558	127
C0024FLF2OMWQ	\$672	127
C0024FLF2UMWQ	\$672	127

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C0034FLF2OMWQ	\$757	127
C0034FLF2UMWQ	\$757	127
C0054FLF2OMWQ	\$879	127
C0054FLF2UMWQ	\$879	127
C0104FLF2OSWQ	\$1,575	127
C0104FLF2USWQ	\$1,575	127
C0106FLF2OSWQ	\$2,673	127
C0106FLF2USWQ	\$2,673	127
C0154FLF2OSWQ	\$2,184	127
C0154FLF2USWQ	\$2,184	127
C0156FLF3OMWQ	\$3,982	127
C0156FLF3UMWQ	\$3,982	127
C0204FLF2OSWQ	\$2,643	127
C0204FLF2USWQ	\$2,643	127
C0206FLF3OMWQ	\$4,511	127
C0206FLF3UMWQ	\$4,511	127
C0254FLF3OMWQ	\$3,523	127
C0254FLF3UMWQ	\$3,523	127
C0256FLF3OMWQ	\$5,558	128
C0256FLF3UMWQ	\$5,558	128
C0304FLF3OMWQ	\$3,941	128
C0304FLF3UMWQ	\$3,941	128
C0306FLF3OMWQ	\$5,712	128
C0306FLF3UMWQ	\$5,712	128
C0404FLF3OSWQ	\$5,262	128
C0404FLF3USWQ	\$5,262	128
C0406FLF3OMWQ	\$8,482	128
C0406FLF3UMWQ	\$8,482	128
C0504FLF3OSWQ	\$5,873	128
C0504FLF3USWQ	\$5,873	128
C0506FLF3OMWQ	\$9,536	128
C0506FLF3UMWQ	\$9,536	128
C0604FLF3OMWQ	\$8,225	128
C0604FLF3UMWQ	\$8,225	128
C0606FLF3OSWQ	\$12,444	128
C0606FLF3USWQ	\$12,444	128
C0754FLF3OMQ	\$6,946	130
C0754FLF3UMQ	\$6,946	130
C0756FLF3OMQ	\$9,275	130
C0756FLF3UMQ	\$9,275	130
C1004FLF3OSQ	\$8,775	130
C1004FLF3USQ	\$8,775	130
C1006FLF4OMQ	\$12,749	130
C1006FLF4UMQ	\$12,749	130
C1254FLF4OMQ	\$12,396	130
C1254FLF4UMQ	\$12,396	130
C1256FLF4OMQ	\$13,751	130
C1256FLF4UMQ	\$13,751	130
C1258FLF4BMQ	\$18,891	130
C1258FLF4OMQ	\$18,891	130
C1504FLF4OMQ	\$13,917	130
C1504FLF4UMQ	\$13,917	130
C1506FLF4BMQ	\$15,791	130

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C1506FLF4BMQZ	\$15,791	130
C1506FLF4OMQ	\$15,791	130
C1506FLF4OMQZ	\$15,791	130
C2004FLF4BMQ	\$16,745	130
C2004FLF4BMQZ	\$16,745	130
C2004FLF4OMQ	\$16,745	130
C2004FLF4OMQZ	\$16,745	131
C2006FLF4BMQ	\$20,676	131
C2006FLF4OMQ	\$20,676	131
C2008FLF4BMQ	\$36,019	131
C2008FLF4OMQ	\$36,019	131
CY154FLF2OMWQ	\$617	127
CY154FLF2UMWQ	\$617	127
CY754FLF2OSWQ	\$1,492	127
CY754FLF2USWQ	\$1,492	127
F2002VLG3JF	\$25,606	148
F2004VLF3JF	\$28,328	148
F2006VLF3JF	\$33,833	148
F2008VLF3JF	\$42,666	148
F2008VLF3JM	\$59,208	148
F2502VLG3JF	\$31,202	148
F2504VLF3JF	\$30,306	148
F2506VLF3JF	\$35,051	148
F2508VLF3JF	\$54,773	148
F2508VLF3JM	\$61,640	148
F3002VLG3JF	\$32,488	148
F3004VLF3JF	\$32,602	148
F3006VLF3JF	\$36,360	148
F3008FLF4BM	\$61,614	45
F3008FLF4BMH	\$69,339	55
F3008FLF4BMHD	\$70,355	68
F3008FLF4BMQ	\$49,235	131
F3008FLF4OM	\$61,614	45
F3008FLF4OMH	\$69,339	55
F3008FLF4OMHD	\$74,048	68
F3008FLF4OMQ	\$49,235	131
F3008FLG3BM	\$58,333	45
F3008FLG3BMH	\$65,646	55
F3008FLG3BMHD	\$70,355	68
F3008FLG3OM	\$58,333	45
F3008FLG3OMH	\$65,646	55
F3008FLG3OMHD	\$74,048	68
F3008VLF3JF	\$55,835	148
F3008VLF3JM	\$62,928	148
F3008VLF4BM	\$39,739	31
F3008VLF4OM	\$39,739	31
F3008VLG3BM	\$36,458	31
F3008VLG3OM	\$36,458	31
F3502VLG3JF	\$34,373	148
F3504VLF3JF	\$34,635	148
F3506VLF3JF	\$39,020	149
F3508FLF4BM	\$71,336	45
F3508FLF4BMH	\$80,279	55

Model No.	Price	Page
F3508FLF4BMHD	\$81,296	68
F3508FLF4BMQ	\$53,838	131
F3508FLF4OM	\$71,336	45
F3508FLF4OMH	\$80,279	55
F3508FLF4OMHD	\$84,989	68
F3508FLF4OMQ	\$53,838	131
F3508FLG3BM	\$68,055	45
F3508FLG3BMH	\$76,587	55
F3508FLG3BMHD	\$81,296	68
F3508FLG3OM	\$68,055	45
F3508FLG3OMH	\$76,587	55
F3508FLG3OMHD	\$84,989	68
F3508VLF3JM	\$67,086	149
F3508VLF4BM	\$45,816	31
F3508VLF4OM	\$45,816	31
F3508VLG3BM	\$42,534	31
F3508VLG3OM	\$42,534	31
F4002VLG3JF	\$34,497	149
F4004VLF3JF	\$40,486	149
F4006FLF4BM	\$58,515	45
F4006FLF4BMH	\$57,548	86
F4006FLF4BMHD	\$61,330	93
F4006FLF4BMQ	\$45,593	131
F4006FLF4OM	\$58,515	45
F4006FLF4OMH	\$57,548	86
F4006FLF4OMHD	\$61,330	93
F4006FLF4OMQ	\$45,593	131
F4006FLG3BM	\$55,234	45
F4006FLG3BMH	\$54,970	86
F4006FLG3BMHD	\$58,752	93
F4006FLG3OM	\$55,234	45
F4006FLG3OMH	\$54,970	86
F4006FLG3OMHD	\$58,752	93
F4006VLF3JF	\$39,964	149
F4006VLF4BM	\$47,031	31
F4006VLF4OM	\$47,031	31
F4006VLG3BM	\$43,750	31
F4006VLG3OM	\$43,750	31
F4008FLF4BM	\$81,059	46
F4008FLF4BMH	\$91,220	55
F4008FLF4BMHD	\$92,237	68
F4008FLF4BMQ	\$63,203	131
F4008FLF4OM	\$81,059	46
F4008FLF4OMH	\$91,220	55
F4008FLF4OMHD	\$95,929	68
F4008FLF4OMQ	\$63,203	131
F4008FLG3BM	\$77,777	46
F4008FLG3BMH	\$87,528	55
F4008FLG3BMHD	\$92,237	68
F4008FLG3OM	\$77,777	46
F4008FLG3OMH	\$87,528	55
F4008FLG3OMHD	\$95,929	68
F4008VLF3JM	\$71,884	149

Model No.	Price	Page
F4008VLF4BM	\$51,892	31
F4008VLF4OM	\$51,892	31
F4008VLG3BM	\$48,611	31
F4008VLG3OM	\$48,611	31
F4502VLG3JF	\$74,573	149
F4504VLF3JF	\$83,871	149
F4506FLF4BM	\$68,906	46
F4506FLF4BMH	\$62,261	86
F4506FLF4BMHD	\$66,042	93
F4506FLF4BMQ	\$52,081	131
F4506FLF4OM	\$68,906	46
F4506FLF4OMH	\$62,261	86
F4506FLF4OMHD	\$66,042	93
F4506FLF4OMQ	\$52,081	131
F4506FLG3BM	\$65,625	46
F4506FLG3BMH	\$59,296	86
F4506FLG3BMHD	\$63,078	93
F4506FLG3OM	\$65,625	46
F4506FLG3OMH	\$59,296	86
F4506FLG3OMHD	\$63,078	93
F4506VLF3JF	\$80,802	149
F4506VLF4BM	\$52,500	32
F4506VLF4OM	\$52,500	32
F4506VLG3BM	\$49,218	32
F4506VLG3OM	\$49,218	32
F4508FLF4BM	\$90,781	46
F4508FLF4BMQ	\$67,860	131
F4508FLF4OM	\$90,781	46
F4508FLF4OMQ	\$67,860	131
F4508FLG3BM	\$87,500	46
F4508FLG3OM	\$87,500	46
F4508VLF3JM	\$63,128	149
F4508VLF4BM	\$57,968	32
F4508VLF4OM	\$57,968	32
F4508VLG3BM	\$54,687	32
F4508VLG3OM	\$54,687	32
F5002VLG3JF	\$83,102	149
F5004VLF3JF	\$77,668	149
F5006FLF4BM	\$76,198	46
F5006FLF4BMH	\$68,849	87
F5006FLF4BMHD	\$72,630	93
F5006FLF4BMQ	\$65,892	131
F5006FLF4OM	\$76,198	46
F5006FLF4OMH	\$68,849	87
F5006FLF4OMHD	\$72,630	93
F5006FLF4OMQ	\$65,892	131
F5006FLG3BM	\$72,916	46
F5006FLG3BMH	\$65,884	87
F5006FLG3BMHD	\$69,666	93
F5006FLG3OM	\$72,916	46
F5006FLG3OMH	\$65,884	87
F5006FLG3OMHD	\$69,666	93
F5006VKF3JF	\$84,004	149

Model No.	Price	Page
F5006VLF3JM	\$70,135	149
F5006VLF4BM	\$57,968	32
F5006VLF4OM	\$57,968	32
F5006VLG3BM	\$54,687	32
F5006VLG3OM	\$54,687	32
F5008VLF3JM	\$82,040	149
F5008VLF4BM	\$64,045	32
F5008VLF4OM	\$64,045	32
F5008VLG3BM	\$60,764	32
F5008VLG3OM	\$60,764	32
F6002VLG3BM	\$59,692	32
F6002VLG3BMH	\$62,733	41
F6002VLG3OM	\$59,692	32
F6002VLG3OMH	\$62,733	41
F6003FLG8BM	\$83,125	46
F6003FLG8OM	\$83,125	46
F6004FLF4BM	\$76,198	46
F6004FLF4BMH	\$68,849	87
F6004FLF4BMQ	\$52,713	131
F6004FLF4OM	\$76,198	46
F6004FLF4OMH	\$68,849	87
F6004FLF4OMQ	\$52,713	131
F6004FLG3BM	\$72,916	46
F6004FLG3BMH	\$65,884	87
F6004FLG3OM	\$72,916	46
F6004FLG3OMH	\$65,884	87
F6004VLF3JM	\$70,573	149
F6004VLF4BM	\$54,323	32
F6004VLF4OM	\$54,323	32
F6004VLG3BM	\$51,041	32
F6004VLG3OM	\$51,041	32
F6006FLF4BM	\$86,406	46
F6006FLF4BMH	\$82,027	87
F6006FLF4BMQ	\$79,071	131
F6006FLF4OM	\$86,406	46
F6006FLF4OMH	\$82,027	87
F6006FLF4OMQ	\$79,071	131
F6006FLG3BM	\$83,125	46
F6006FLG3BMH	\$79,062	87
F6006FLG3OM	\$83,125	46
F6006FLG3OMH	\$79,062	87
F6006VLF3JM	\$83,728	149
F6006VLF4BM	\$68,906	33
F6006VLF4OM	\$68,906	33
F6006VLG3BM	\$65,625	32
F6006VLG3OM	\$65,625	32
F7001VLG3BM	\$63,802	33
F7001VLG3OM	\$63,802	33
F7002VKG3BM	\$63,802	33
F7002VKG3OM	\$63,802	33
F7003FTAB11F-A	\$89,217	46
F7003FTAC11F-A	\$89,217	46
F7003VLG3BM	\$63,802	33

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F7003VLG3OM	\$63,802	33
F7004FLF4BM	\$88,350	46
F7004FLF4BMH	\$79,830	87
F7004FLF4OM	\$88,350	46
F7004FLF4OMH	\$79,830	87
F7004FLG3BM	\$85,069	46
F7004FLG3BMH	\$76,865	87
F7004FLG3OM	\$85,069	46
F7004FLG3OMH	\$76,865	87
F7004VLF3JM	\$68,595	150
F7004VLF4BM	\$62,829	33
F7004VLF4OM	\$62,829	33
F7004VLG3BM	\$59,548	33
F7004VLG3OM	\$59,548	33
F7006VKF4BM	\$79,843	33
F7006VKF4OM	\$79,843	33
F7006VKG3BM	\$76,562	33
F7006VKG3OM	\$76,562	33
F7006VLF3JM	\$104,975	150
F8001VLG3BM	\$72,916	33
F8001VLG3OM	\$72,916	33
F8003VLG3BM	\$72,916	33
F8003VLG3OM	\$72,916	33
F8004VLF3JM	\$89,377	150
F8004VLF4BM	\$71,336	33
F8004VLF4OM	\$71,336	33
F8004VLG3BM	\$68,055	33
F8004VLG3OM	\$68,055	33
F9004VLF3JM	\$108,160	150
M203TCAL11F-A	\$110,135	159
M203TCAL11F-C	\$132,011	159
M203TCQL11F-A	\$127,255	159
M203TCQL11F-C	\$149,131	159
M203WPAL11F-A	\$81,411	150
M203WPAL11F-C	\$103,286	150
M203WPQL11F-A	\$91,437	150
M203WPQL11F-C	\$108,557	150
M203WTAL11F-A	\$84,797	154
M203WTAL11F-C	\$106,673	154
M203WTQL11F-A	\$101,917	154
M203WTQL11F-C	\$123,793	154
M205TCAL11E-A	\$114,313	160
M205TCAL11E-C	\$136,188	160
M205TCQL11E-A	\$131,433	160
M205TCQL11E-C	\$153,308	160
M205WPAL11E-A	\$87,940	150
M205WPAL11E-C	\$109,815	150
M205WPQL11E-A	\$105,060	150
M205WPQL11E-C	\$126,935	150
M205WTAL11E-A	\$91,248	154
M205WTAL11E-C	\$113,124	154
M205WTQL11E-A	\$108,368	154
M205WTQL11E-C	\$130,244	154

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M206WPAL11E-A	\$93,435	150
M206WPAL11E-C	\$115,311	150
M206WTAL11E-A	\$97,240	154
M206WTAL11E-C	\$119,115	154
M253TCAL11F-A	\$116,413	160
M253TCAL11F-C	\$138,288	160
M253TCQL11F-A	\$133,533	160
M253TCQL11F-C	\$155,408	160
M253WPAL11F-A	\$90,124	150
M253WPAL11F-C	\$112,000	151
M253WPQL11F-A	\$107,244	151
M253WPQL11F-C	\$129,120	151
M253WTAL11F-A	\$93,746	154
M253WTAL11F-C	\$115,622	154
M253WTQL11F-A	\$110,866	154
M253WTQL11F-C	\$132,742	154
M255WPAL11E-A	\$94,044	151
M255WPAL11E-C	\$115,920	151
M255WPQL11E-A	\$111,164	151
M255WPQL11E-C	\$133,040	151
M255WTAL11E-A	\$97,602	154
M255WTAL11E-C	\$119,477	154
M255WTQL11E-A	\$114,722	154
M255WTQL11E-C	\$136,597	154
M303WPAL11F-A	\$94,537	151
M303WPAL11F-C	\$116,413	151
M303WPQL11F-A	\$111,657	151
M303WPQL11F-C	\$133,533	151
M303WTAL11F-A	\$98,457	154
M303WTAL11F-C	\$120,333	154
M303WTQL11F-A	\$115,577	154
M303WTQL11F-C	\$137,453	154
M305WPAL11E-A	\$97,393	151
M305WPAL11E-C	\$119,268	151
M305WPQL11E-A	\$114,513	151
M305WPQL11E-C	\$136,388	151
M305WTAL11E-A	\$100,988	154
M305WTAL11E-C	\$122,864	154
M305WTQL11E-A	\$118,108	154
M305WTQL11E-C	\$139,984	154
M353WPAL11F-A	\$97,657	151
M353WPAL11F-C	\$119,533	151
M353WPQL11F-A	\$114,777	151
M353WPQL11F-C	\$136,653	151
M353WTAL11F-A	\$102,071	154
M353WTAL11F-C	\$123,946	154
M353WTQL11F-A	\$119,191	154
M353WTQL11F-C	\$141,066	154
M355WPAL11E-A	\$99,142	151
M355WPAL11E-C	\$121,017	151
M355WPQL11E-A	\$116,262	151
M355WPQL11E-C	\$138,137	151
M403WPAL11F-A	\$101,213	151

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M403WPAL11F-C	\$123,088	151
M403WPQL11F-A	\$118,333	151
M403WPQL11F-C	\$140,208	151
Y152DPNA21A-P	\$360	5
Y152DPNC21A-P	\$360	5
Y152DPSA21A-P	\$382	2
Y152DPSA31A-P	\$515	7
Y152DPSC21A-P	\$382	2
Y152DPSC31A-P	\$515	7
Y152FCNA21A-P	\$382	14
Y152FCNC21A-P	\$382	14
Y152FTSA21A-P	\$406	11
Y152FTSA22A-P	\$448	19
Y152FTSA24A-P	\$468	22
Y152FTSA31A-P	\$562	16
Y152FTSC21A-P	\$406	11
Y152FTSC22A-P	\$448	19
Y152FTSC24A-P	\$468	22
Y152FTSC31A-P	\$562	16
Y152SDSC41A-P	\$505	82
Y152SDSC47A-P	\$641	98
Y152SDSR41A-P	\$505	82
Y152SDSR47A-P	\$641	98
Y152XDSB41A-P	\$764	95
Y152XDSB42A-P	\$873	104
Y152XDSC41A-P	\$764	95
Y152XDSC42A-P	\$873	104
Y152XPEA21A-P	\$826	26
Y152XPEC21A-P	\$826	26
Y152XSSB41A-P	\$616	89
Y152XSSB42A-P	\$725	101
Y152XSSC41A-P	\$616	89
Y152XSSC42A-P	\$725	101
Y154DPNA21A-P	\$360	5
Y154DPNC21A-P	\$360	5
Y154DPSA21A-P	\$382	2
Y154DPSA31A-P	\$502	7
Y154DPSC21A-P	\$382	2
Y154DPSC31A-P	\$502	7
Y154FCNA21A-P	\$382	14
Y154FCNC21A-P	\$382	14
Y154FCWB32A	\$3,428	137
Y154FCWB32H	\$3,428	137
Y154FCWB34A	\$3,416	139
Y154FCWB34H	\$3,416	139
Y154FCWC32A	\$3,428	137
Y154FCWC32H	\$3,428	137
Y154FCWC34A	\$3,416	139
Y154FCWC34H	\$3,416	139
Y154FNFB32A	\$1,440	133
Y154FNWB34K	\$3,416	139
Y154FNWC34K	\$3,416	139
Y154FTCA21A-P	\$401	110

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Y154FTCC21A-P	\$401	110
Y154FTSA21A-P	\$406	11
Y154FTSA22A-P	\$448	19
Y154FTSA24A-P	\$468	22
Y154FTSA31A-P	\$562	16
Y154FTSC21A-P	\$406	11
Y154FTSC22A-P	\$448	19
Y154FTSC24A-P	\$468	22
Y154FTSC31A-P	\$562	16
Y154SDSC41A-P	\$510	82
Y154SDSC47A-P	\$646	98
Y154SDSR41A-P	\$510	82
Y154SDSR47A-P	\$646	98
Y154XDSB41A-P	\$793	95
Y154XDSB42A-P	\$902	104
Y154XDSC41A-P	\$793	95
Y154XDSC42A-P	\$902	104
Y154XPEA21A-P	\$816	26
Y154XPEC21A-P	\$816	26
Y154XSSB41A-P	\$615	89
Y154XSSB42A-P	\$724	101
Y154XSSC41A-P	\$615	89
Y154XSSC42A-P	\$724	101
Y156DPNA21A-P	\$470	5
Y156DPNC21A-P	\$470	5
Y156DPSA21A-P	\$500	2
Y156DPSA31A-P	\$652	7
Y156DPSC21A-P	\$500	2
Y156DPSC31A-P	\$652	7
Y156FCNA21A-P	\$487	14
Y156FCNC21A-P	\$487	14
Y156FCWB34A	\$4,031	139
Y156FCWB34H	\$4,031	139
Y156FCWC34A	\$4,031	139
Y156FCWC34H	\$4,031	139
Y156FTCA21A-P	\$598	110
Y156FTCC21A-P	\$598	110
Y156FTSA21A-P	\$519	11
Y156FTSA22A-P	\$571	19
Y156FTSA24A-P	\$598	22
Y156FTSA31A-P	\$712	16
Y156FTSC21A-P	\$519	11
Y156FTSC22A-P	\$571	19
Y156FTSC24A-P	\$598	22
Y156FTSC31A-P	\$712	16
Y156SDSC41A-P	\$615	82
Y156SDSC47A-P	\$779	98
Y156SDSR41A-P	\$615	82
Y156SDSR47A-P	\$779	98
Y156XDSB41A-P	\$1,092	95
Y156XDSB42A-P	\$1,223	104
Y156XDSC41A-P	\$1,092	95
Y156XDSC42A-P	\$1,223	104

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Y156XPEA21A-P	\$911	26
Y156XPEC21A-P	\$911	26
Y156XSSB41A-P	\$735	89
Y156XSSB42A-P	\$866	101
Y156XSSC41A-P	\$735	89
Y156XSSC42A-P	\$866	101
Y158DPSA21A	\$1,255	34
Y158DPSC21A	\$1,255	34
Y158FTSA21A	\$1,695	48
Y158FTSC21A	\$1,695	48
Y752DPNA21A-P	\$692	6
Y752DPNC21A-P	\$692	6
Y752DPSA21A-P	\$737	3
Y752DPSA31A-P	\$1,106	8
Y752DPSC21A-P	\$737	3
Y752DPSC31A-P	\$1,106	8
Y752FCNA21A-P	\$847	15
Y752FCNC21A-P	\$847	15
Y752FTSA21A-P	\$883	12
Y752FTSA22A-P	\$971	20
Y752FTSA24A-P	\$1,016	23
Y752FTSA31A-P	\$1,162	16
Y752FTSC21A-P	\$883	12
Y752FTSC22A-P	\$971	20
Y752FTSC24A-P	\$1,016	23
Y752FTSC31A-P	\$1,162	17
Y752FTVB1PX-A	\$3,136	143
Y752FTVB3PW-A	\$3,939	141
Y752FTVB3PX-A	\$4,182	145
Y752SDSC41A-P	\$1,039	82
Y752SDSC42A-P	\$1,214	99
Y752SDSR41A-P	\$1,039	82
Y752SDSR42A-P	\$1,214	99
Y752XDSB41A-P	\$1,543	95
Y752XDSB42A-P	\$1,718	105
Y752XDSC41A-P	\$1,543	95
Y752XDSC42A-P	\$1,718	105
Y752XPEA21A-P	\$1,647	27
Y752XPEC21A-P	\$1,647	27
Y752XSSB41A-P	\$1,212	89
Y752XSSB42A-P	\$1,387	102
Y752XSSC41A-P	\$1,212	89
Y752XSSC42A-P	\$1,387	102
Y754DPKB11A	\$2,955	114
Y754DPNA21A-P	\$720	6
Y754DPNC21A-P	\$720	6
Y754DPSA21A-P	\$765	3
Y754DPSA31A-P	\$1,065	8
Y754DPSC21A-P	\$765	3
Y754DPSC31A-P	\$1,065	8
Y754FCFB32A	\$2,428	133
Y754FCNA21A-P	\$812	15
Y754FCNC21A-P	\$812	15

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Y754FNF832A	\$2,795	133
Y754FTCA21A-P	\$827	110
Y754FTCC21A-P	\$827	110
Y754FTSA21A-P	\$864	12
Y754FTSA22A-P	\$950	20
Y754FTSA24A-P	\$993	23
Y754FTSA31A-P	\$1,125	17
Y754FTSC21A-P	\$864	12
Y754FTSC22A-P	\$950	20
Y754FTSC24A-P	\$993	23
Y754FTSC31A-P	\$1,125	17
Y754FTVB1PX-A	\$3,074	143
Y754FTVB3PW-A	\$3,861	141
Y754FTVB3PX-A	\$4,098	145
Y754SDSC41A-P	\$1,039	82
Y754SDSC42A-P	\$1,214	99
Y754SDSR41A-P	\$1,039	82
Y754SDSR42A-P	\$1,214	99
Y754XDSB41A-P	\$1,532	95
Y754XDSB42A-P	\$1,707	105
Y754XDSC41A-P	\$1,532	95
Y754XDSC42A-P	\$1,707	105
Y754XPEA21A-P	\$1,611	27
Y754XPEC21A-P	\$1,611	27
Y754XSSB41A-P	\$1,206	89
Y754XSSB42A-P	\$1,381	102
Y754XSSC41A-P	\$1,206	89
Y754XSSC42A-P	\$1,381	102
Y756DPKB11A	\$3,331	114
Y756DPKB41A-Y	\$4,165	115
Y756DPKB41A-Z	\$4,788	116
Y756DPNA21A-P	\$1,157	6
Y756DPNC21A-P	\$1,157	6
Y756DPDP11A-P	\$1,337	108
Y756DPSA21A-P	\$1,230	3
Y756DPSA31A-P	\$1,699	8
Y756DPSC21A-P	\$1,230	3
Y756DPSC31A-P	\$1,699	8
Y756FCNA21A-P	\$1,350	15
Y756FCNC21A-P	\$1,350	15
Y756FTCA21A-P	\$1,571	110
Y756FTCC21A-P	\$1,571	110
Y756FTSA21A-P	\$1,436	12
Y756FTSA22A-P	\$1,580	20
Y756FTSA24A-P	\$1,652	23
Y756FTSA31A-P	\$1,886	17
Y756FTSC21A-P	\$1,436	12
Y756FTSC22A-P	\$1,580	20
Y756FTSC24A-P	\$1,652	23
Y756FTSC31A-P	\$1,886	17
Y756SDSC41A-P	\$1,768	82
Y756SDSC42A-P	\$2,031	99
Y756SDSR41A-P	\$1,768	82

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Y756SDSR42A-P	\$2,031	99
Y756XDSB41A-P	\$2,553	95
Y756XDSB42A-P	\$2,816	105
Y756XDSC41A-P	\$2,553	95
Y756XDSC42A-P	\$2,816	105
Y756XPEA21A-P	\$2,239	27
Y756XPEC21A-P	\$2,239	27
Y756XSSB41A-P	\$2,018	89
Y756XSSB42A-P	\$2,281	102
Y756XSSC41A-P	\$2,018	89
Y756XSSC42A-P	\$2,281	102
Y758DPKB11A	\$3,930	114
Y758DPKB21A-Y	\$4,913	115
Y758DPKB21A-Z	\$5,650	116
Y758DPSA21A	\$3,335	34
Y758DPSC21A	\$3,335	34
Y758FTSA21A	\$4,242	48
Y758FTSC21A	\$4,242	48
B0304FLF3OMHD02	\$4,609	66
B0304FLF3OMHJ01	\$5,873	72
B0304FLF3UMH02	\$4,302	54
B0304FLT3OMH	\$4,740	57
B0304FLT3UMH	\$4,740	57
B0304VLF1OSH01	\$3,705	39
B0304VLF1USH01	\$3,705	39
B0304YLF3OMH	\$6,660	77
B0304YLF3UMH	\$6,660	77
B0306FLF3BMHD01	\$7,577	66
B0306FLF3BMHJ01	\$9,854	72
B0306FLF3OMH02	\$7,360	54
B0306FLF3OMHD01	\$7,577	66
B0306FLF3OMHJ01	\$9,854	72
B0306FLF3UMH02	\$7,360	54
B0306VLF1OMH01	\$5,468	39
B0306VLF1UMH01	\$5,468	39
B0306YLF1OMH	\$11,033	77
B0306YLF1UMH	\$11,033	77
B0308FLF3BMHD	\$12,833	66
B0308FLF3BMHJ	\$14,102	72
B0308FLF3OMH	\$12,047	54
B0308FLF3OMHD	\$12,833	67
B0308FLF3OMHJ	\$14,102	72
B0308FLF3UMH	\$12,047	54
B0308YLF3AMH	\$13,628	77
B0308YLF3OMH	\$13,628	77
B0402FLC3OMH01	\$6,199	61
B0402FLC3UMH01	\$6,199	61
B0402FLG3BMHD02	\$6,555	67
B0402FLG3BMHJ01	\$8,120	72
B0402FLG3OMH02	\$5,797	54
B0402FLG3OMHD02	\$6,555	67
B0402FLG3OMHJ01	\$8,120	72
B0402FLG3UMH02	\$5,797	54

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B0402FLT3OMH	\$6,002	57
B0402FLT3UMH	\$6,002	57
B0402VLG3OMH	\$4,810	39
B0402VLG3UMH	\$4,810	39
B0402YLG3OMH	\$9,251	77
B0402YLG3UMH	\$9,251	77
B0404FLC3OSH02	\$6,240	61
B0404FLC3USH02	\$6,240	61
B0404FLF3B5SHD01	\$5,998	67
B0404FLF3B5HJ01	\$7,805	72
B0404FLF3OSH02	\$5,562	54
B0404FLF3OSH01	\$5,998	67
B0404FLF3OSHJ01	\$7,805	72
B0404FLF3USH02	\$5,562	54
B0404FLT3OSH	\$6,044	57
B0404FLT3USH	\$6,044	57
B0404VLF1OMH01	\$4,606	39
B0404VLF1UMH01	\$4,606	39
B0404YLF1AMH	\$8,863	77
B0404YLF1OMH	\$8,863	77
B0406FLF3BMHD01	\$10,270	67
B0406FLF3BMHJ01	\$13,359	72
B0406FLF3OMH02	\$9,629	54
B0406FLF3OMHD01	\$10,270	67
B0406FLF3OMHJ01	\$13,359	72
B0406FLF3UMH02	\$9,629	54
B0406VLF3OSH	\$8,438	39
B0406VLF3USH	\$8,438	39
B0406YLF3OMH	\$14,328	77
B0406YLF3UMH	\$14,328	77
B0408FLF3BMHD	\$15,534	67
B0408FLF3BMHJ	\$16,722	72
B0408FLF3OMH	\$14,569	54
B0408FLF3OMHD	\$15,534	67
B0408FLF3OMHJ	\$16,722	72
B0408FLF3UMH	\$14,569	54
B0408YLF3AMH	\$16,369	77
B0408YLF3OMH	\$16,369	77
B0502FLC3OMH01	\$8,332	61
B0502FLC3UMH01	\$8,332	61
B0502FLG3BMHD02	\$8,104	67
B0502FLG3BMHJ01	\$10,543	72
B0502FLG3OMH02	\$7,654	54
B0502FLG3OMHD02	\$8,104	67
B0502FLG3OMHJ01	\$10,543	72
B0502FLG3UMH02	\$7,654	54
B0502FLU3OMH	\$8,135	58
B0502FLU3UMH	\$8,135	58
B0502VLG3OMH	\$5,718	39
B0502VLG3UMH	\$5,718	39
B0502YLG3OMH	\$11,388	77
B0502YLG3UMH	\$11,388	77
B0504FLC3OSH02	\$7,461	61

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B0504FLC3USH02	\$7,461	61
B0504FLF3BSHD01	\$6,969	67
B0504FLF3BSHJ01	\$9,583	72
B0504FLF3OSH02	\$6,783	54
B0504FLF3OSHD01	\$6,969	67
B0504FLF3OSHJ01	\$9,583	72
B0504FLF3USH02	\$6,783	54
B0504FLT3OSH	\$7,264	58
B0504FLT3USH	\$7,264	58
B0504VLF1OMH01	\$5,470	39
B0504VLF1UMH01	\$5,470	39
B0504YLF1AMH	\$10,793	77
B0504YLF1OMH	\$10,793	77
B0506FLF3BMHD01	\$11,790	67
B0506FLF3BMHJ01	\$15,338	72
B0506FLF3OMH02	\$11,241	54
B0506FLF3OMHD01	\$11,790	67
B0506FLF3OMHJ01	\$15,338	72
B0506FLF3UMH02	\$11,241	54
B0506VLF3OSH	\$9,855	39
B0506VLF3USH	\$9,855	39
B0506YLF3OMH	\$16,275	77
B0506YLF3UMH	\$16,275	77
B0508FLF3BMHD	\$18,546	67
B0508FLF3BMHJ	\$19,972	72
B0508FLF3OMH	\$17,407	54
B0508FLF3OMHD	\$18,546	67
B0508FLF3OMHJ	\$19,972	72
B0508FLF3UMH	\$17,407	54
B0508YLF3ASH	\$19,869	77
B0508YLF3OSH	\$19,869	77
B0602FLC3OMH01	\$10,493	61
B0602FLC3UMH01	\$10,493	61
B0602FLG3BMHD02	\$11,194	67
B0602FLG3BMHJ	\$12,477	72
B0602FLG3OMH02	\$9,432	54
B0602FLG3OMHD02	\$11,194	67
B0602FLG3OMHJ	\$12,477	72
B0602FLG3UMH02	\$9,432	54
B0602FLU3OMH	\$10,307	58
B0602FLU3UMH	\$10,307	58
B0602VLG3OMH	\$6,499	39
B0602VLG3UMH	\$6,499	39
B0602YLG3OMH	\$16,231	77
B0602YLG3UMH	\$16,231	77
B0604FLC3OMH02	\$10,620	62
B0604FLC3UMH02	\$10,620	62
B0604FLF3BMHD01	\$10,570	67
B0604FLF3BMHJ01	\$12,372	72
B0604FLF3OMH02	\$9,559	54
B0604FLF3OMHD01	\$10,570	67
B0604FLF3OMHJ01	\$12,372	72
B0604FLF3UMH02	\$9,559	54

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B0604FLT3OMH	\$10,434	58
B0604FLT3UMH	\$10,434	58
B0604VLF3OSH	\$6,582	39
B0604VLF3USH	\$6,582	39
B0604YLF3OMH	\$15,684	77
B0604YLF3UMH	\$15,684	77
B0606FLF3BSHD01	\$10,855	90
B0606FLF3BSHJ01	\$12,706	96
B0606FLF3OSH02	\$10,061	83
B0606FLF3OSHD01	\$10,855	90
B0606FLF3OSHJ01	\$12,706	96
B0606FLF3USH02	\$10,061	83
B0606VLF3OSH	\$11,498	39
B0606VLF3USH	\$11,498	39
B0606YLF3OSH	\$20,371	77
B0606YLF3USH	\$20,371	77
B0608FLF3BSHD	\$21,220	67
B0608FLF3BSHJ	\$22,551	72
B0608FLF3OSH	\$19,884	54
B0608FLF3OSHD	\$21,220	67
B0608FLF3OSHJ	\$22,551	72
B0608FLF3USH	\$19,884	54
B0608YLF3ASH	\$22,599	78
B0608YLF3OSH	\$22,599	78
B0752FLC3OMH02	\$12,939	62
B0752FLC3UMH02	\$12,939	62
B0752FLG3BMHD02	\$13,387	67
B0752FLG3BMHJ01	\$15,675	73
B0752FLG3OMH02	\$11,878	54
B0752FLG3OMHD01	\$13,387	67
B0752FLG3OMHJ	\$15,675	73
B0752FLG3UMH02	\$11,878	54
B0752FLU3OMH	\$12,753	58
B0752FLU3UMH	\$12,753	58
B0752VLG3OSH	\$8,905	39
B0752VLG3USH	\$8,905	39
B0752YLG3OMH	\$18,810	78
B0752YLG3UMH	\$18,810	78
B0754FLC3OMH02	\$13,376	62
B0754FLC3UMH02	\$13,376	62
B0754FLF3BMHD01	\$12,685	67
B0754FLF3BMHJ01	\$15,684	73
B0754FLF3OMH02	\$12,315	54
B0754FLF3OMHD01	\$12,685	67
B0754FLF3OMHJ01	\$15,684	73
B0754FLF3UMH02	\$12,315	54
B0754FLT3OMH	\$13,190	58
B0754FLT3UMH	\$13,190	58
B0754VLF3OSH	\$7,847	39
B0754VLF3USH	\$7,847	39
B0754YLF3OMH	\$19,295	78
B0754YLF3UMH	\$19,295	78
B0756FLF3BSHD01	\$12,780	90

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B0756FLF3BSHJ01	\$15,750	96
B0756FLF3OSH02	\$12,750	83
B0756FLF3OSHD01	\$12,780	90
B0756FLF3OSHJ01	\$15,750	96
B0756FLF3USH02	\$12,750	83
B0756VLF3OSH	\$13,398	39
B0756VLF3USH	\$13,398	39
B0756YLF3OSH	\$22,564	78
B0756YLF3USH	\$22,564	78
B0758FLF4BSHD	\$27,918	67
B0758FLF4BSHJ	\$29,176	73
B0758FLF4OSH	\$26,205	54
B0758FLF4OSHD	\$27,918	67
B0758FLF4OSHJ	\$29,176	73
B0758FLF4USH	\$26,205	54
B0758YLF4ASH	\$27,271	78
B0758YLF4OSH	\$27,271	78
B1/24EMC2AOZ	\$468	59
B1/24EMC2OOZ	\$468	59
B1/24EMF2AOZ	\$435	43
B1/24EMF2OOZ	\$435	43
B1/24FLF2AMH	\$751	51
B1/24FLF2OMH	\$751	51
B1/262LC1BMHD	\$3,895	124
B1/262LC1OMHD	\$3,895	124
B1/262LC2AMH	\$2,218	122
B1/262LC2OMH	\$2,218	122
B1/262LF1BMHD	\$3,720	120
B1/262LF1OMHD	\$3,720	120
B1/262LF2AMH	\$2,043	118
B1/262LF2OMH	\$2,043	118
B1/26FLF2AMH	\$886	51
B1/26FLF2OMH	\$886	51
B1/26FMC2AOZ	\$654	59
B1/26FMC2OOZ	\$654	59
B1/26FMF2AOZ	\$632	43
B1/26FMF2OOZ	\$632	43
B1002FLG3BSHD01	\$14,095	90
B1002FLG3BSHJ	\$16,501	96
B1002FLG3OSH02	\$12,472	83
B1002FLG3OSHD01	\$14,095	90
B1002FLG3OSHJ	\$16,501	96
B1002FLG3USH02	\$12,472	83
B1002VLG3OSH	\$11,139	39
B1002VLG3USH	\$11,139	39
B1002YLG3OSH	\$25,447	78
B1002YLG3USH	\$25,447	78
B1004FLF3BSHD01	\$12,313	90
B1004FLF3BSHJ01	\$15,444	96
B1004FLF3OSH03	\$11,878	83
B1004FLF3OSHD01	\$12,313	90
B1004FLF3OSHJ01	\$15,444	96
B1004FLF3USH03	\$11,878	83

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B1004VLF3OSH	\$10,317	39
B1004VLF3USH	\$10,317	39
B1004YLF3OSH	\$23,725	78
B1004YLF3USH	\$23,725	78
B1006FLF4BSHD01	\$17,467	91
B1006FLF4BSHJ01	\$20,451	96
B1006FLF4OSH01	\$16,842	84
B1006FLF4OSHD01	\$17,467	91
B1006FLF4OSHJ01	\$20,451	96
B1006FLF4USH01	\$16,842	84
B1006VLF4OSH	\$16,969	39
B1006VLF4USH	\$16,969	39
B1006YLF4OSH	\$31,362	78
B1006YLF4USH	\$31,362	78
B1008FLF4BSHD	\$34,562	67
B1008FLF4BSHJ	\$35,620	73
B1008FLF4OSH	\$32,398	55
B1008FLF4OSHD	\$34,562	67
B1008FLF4OSHJ	\$35,620	73
B1008FLF4USH	\$32,398	55
B1251FLG3BSHD01	\$17,503	91
B1251FLG3BSHJ	\$21,355	97
B1251FLG3OSH	\$15,284	84
B1251FLG3OSHD01	\$17,503	91
B1251FLG3OSHJ	\$21,355	97
B1251FLG3USH	\$15,284	84
B1251YLG3OSH	\$31,891	78
B1251YLG3USH	\$31,891	78
B1252VLG3OSH	\$13,458	39
B1252VLG3USH	\$13,458	39
B1253FLG3BSHD01	\$17,503	91
B1253FLG3BSHJ	\$21,355	97
B1253FLG3OSH01	\$15,284	84
B1253FLG3OSHD01	\$17,503	91
B1253FLG3OSHJ	\$21,355	97
B1253FLG3USH01	\$15,284	84
B1253YLG3OSH	\$31,891	78
B1253YLG3USH	\$31,891	78
B1254FLF3BSHD	\$16,266	91
B1254FLF3BSHJ	\$19,846	97
B1254FLF3OSH	\$14,970	84
B1254FLF3OSHD	\$16,266	91
B1254FLF3OSHJ	\$19,846	97
B1254FLF3USH	\$14,970	84
B1254FLF4BSHD01	\$16,266	91
B1254FLF4BSHJ01	\$19,846	97
B1254FLF4OSH01	\$14,970	84
B1254FLF4OSHD01	\$16,266	91
B1254FLF4OSHJ01	\$19,846	97
B1254FLF4USH01	\$14,970	84
B1254VLF3OSH	\$11,636	39
B1254VLF3USH	\$11,636	39
B1254YLF4OSH	\$27,822	78

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B1254YLF4USH	\$27,822	78
B1256FLF4BSHD01	\$20,382	91
B1256FLF4BSHJ01	\$24,872	97
B1256FLF4OSH01	\$17,364	84
B1256FLF4OSHD01	\$20,382	91
B1256FLF4OSHJ01	\$24,872	97
B1256FLF4USH01	\$17,364	84
B1256VLF4OSH	\$19,272	39
B1256VLF4USH	\$19,272	39
B1256YLF4OSH	\$33,696	78
B1256YLF4USH	\$33,696	78
B1258FLF4BMH	\$34,521	55
B1258FLF4BMHL	\$38,061	55
B1258FLF4BSHD	\$37,773	67
B1258FLF4BSHDL	\$37,773	67
B1258FLF4BSHJ	\$38,636	73
B1258FLF4BSHJL	\$38,636	73
B1258FLF4OMH	\$34,521	55
B1258FLF4OMHL	\$38,061	55
B1258FLF4OSHD	\$39,663	67
B1258FLF4OSHDL	\$39,663	67
B1258FLF4OSHJ	\$38,636	73
B1258FLF4OSHJL	\$38,636	73
B1501YLG3OSH	\$37,327	78
B1501YLG3USH	\$37,327	78
B1502VLG3OSH	\$16,371	39
B1502VLG3USH	\$16,371	39
B1503YLG3OSH	\$37,327	78
B1503YLG3USH	\$37,327	78
B1504FLF3BSHD	\$18,909	91
B1504FLF3BSHJ	\$23,072	97
B1504FLF3OSH	\$17,469	84
B1504FLF3OSHD	\$18,909	91
B1504FLF3OSHJ	\$23,072	97
B1504FLF3USH	\$17,469	84
B1504FLF4BSHD01	\$18,909	91
B1504FLF4BSHJ01	\$23,072	97
B1504FLF4OSH01	\$17,469	84
B1504FLF4OSHD01	\$18,909	91
B1504FLF4OSHJ01	\$23,072	97
B1504FLF4USH01	\$17,469	84
B1504VLF4OSH	\$16,803	39
B1504VLF4USH	\$16,803	39
B1504YLF4OMH	\$32,891	78
B1504YLF4USH	\$32,891	78
B1506FLF4BSH01	\$20,274	84
B1506FLF4BSHD01	\$22,804	91
B1506FLF4BSHJ01	\$27,828	97
B1506FLF4OSH01	\$20,274	84
B1506FLF4OSHD01	\$22,804	91
B1506FLF4OSHJ01	\$27,828	97
B1506VLF4BSH	\$21,365	40
B1506VLF4OSH	\$21,365	40

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B1506VLG3BSH	\$21,365	39
B1506VLG3OSH	\$21,365	40
B1506YLF4BMH	\$36,664	78
B1506YLF4OMH	\$36,664	78
B1508FLF4BMH	\$58,092	55
B1508FLF4BMHL	\$43,906	55
B1508FLF4BSHD	\$63,017	67
B1508FLF4BSHDL	\$47,845	67
B1508FLF4BSHJL	\$48,365	73
B1508FLF4OMH	\$58,092	55
B1508FLF4OMHL	\$43,906	55
B1508FLF4OSHD	\$63,017	67
B1508FLF4OSHDL	\$47,845	67
B1508FLF4OSHJL	\$48,365	73
B1508FLG3BMH	\$54,881	55
B1508FLG3BSHD	\$59,806	67
B1508FLG3OMH	\$54,881	55
B1508FLG3OSHD	\$59,806	67
B2001FLG3BSH	\$24,813	84
B2001FLG3BSHD	\$26,599	91
B2001FLG3BSHJ	\$32,456	97
B2001FLG3OSH	\$24,813	84
B2001FLG3OSHD	\$26,599	91
B2001FLG3OSHJ	\$32,456	97
B2001YLG3BSH	\$45,550	78
B2001YLG3OSH	\$45,550	78
B2002VLG3OSH	\$25,467	40
B2002VLG3USH	\$25,467	40
B2003FLG3BSH01	\$24,813	84
B2003FLG3BSHD	\$26,599	91
B2003FLG3BSHJ	\$32,456	97
B2003FLG3OSH01	\$24,813	84
B2003FLG3OSHD	\$26,599	91
B2003FLG3OSHJ	\$32,456	97
B2003YLG3BSH	\$45,550	78
B2003YLG3OSH	\$45,550	78
B2004FLF3BSHD	\$23,000	91
B2004FLF3BSHJ01	\$28,067	97
B2004FLF3OSH	\$20,997	84
B2004FLF3OSHD	\$23,000	91
B2004FLF3OSHJ	\$28,067	97
B2004FLF3USH	\$20,997	84
B2004FLF4BSH01	\$20,997	84
B2004FLF4BSHD01	\$23,000	91
B2004FLF4BSHJ01	\$28,067	97
B2004FLF4OSH01	\$20,997	84
B2004FLF4OSHD01	\$23,000	91
B2004FLF4OSHJ01	\$28,067	97
B2004VLF4OSH	\$20,261	40
B2004VLF4USH	\$20,261	40
B2004YLF4BSH	\$38,874	78
B2004YLF4OSH	\$38,874	78
B2006FLF4BMHL	\$25,224	84

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B2006FLF4BSH	\$30,153	84
B2006FLF4BSHD	\$32,620	91
B2006FLF4BSHDL	\$28,710	91
B2006FLF4BSHJL	\$34,094	97
B2006FLF4OMHL	\$25,224	84
B2006FLF4OSH	\$30,153	84
B2006FLF4OSHD	\$32,620	91
B2006FLF4OSHDL	\$28,710	91
B2006FLF4OSHJL	\$34,094	97
B2006FLG3BSH	\$27,575	84
B2006FLG3BSHD	\$30,042	91
B2006FLG3OSH	\$27,575	84
B2006FLG3OSHD	\$30,042	91
B2006VLF4BMH	\$34,594	40
B2006VLF4OMH	\$34,594	40
B2006VLG3BMH	\$31,383	40
B2006VLG3OMH	\$31,383	40
B2008FLF4BMH	\$64,469	55
B2008FLF4BMHL	\$49,007	55
B2008FLF4BSHD	\$66,010	67
B2008FLF4BSHDL	\$50,238	67
B2008FLF4BSHJL	\$54,433	73
B2008FLF4OMH	\$64,469	55
B2008FLF4OMHL	\$49,007	55
B2008FLF4OSHD	\$66,010	67
B2008FLF4OSHDL	\$50,238	67
B2008FLF4OSHJL	\$54,433	73
B2008FLG3BMH	\$61,258	55
B2008FLG3BSHD	\$62,799	67
B2008FLG3OMH	\$61,258	55
B2008FLG4OSHD	\$62,799	67
B2501FKG3BM	\$40,602	44
B2501FKG3OM	\$40,602	44
B2501FLG3BMH	\$32,474	84
B2501FLG3BMHD	\$35,559	91
B2501FLG3BMHDL	\$34,134	91
B2501FLG3BMHL	\$31,172	84
B2501FLG3BML	\$37,802	44
B2501FLG3OMH	\$32,474	84
B2501FLG3OMHD	\$35,559	91
B2501FLG3OMHDL	\$34,134	91
B2501FLG3OMHL	\$31,172	84
B2501FLG3OML	\$37,802	44
B2502VLG3OMH	\$27,594	40
B2502VLG3OS	\$23,482	30
B2502VLG3UM	\$23,482	30
B2502VLG3UMH	\$27,594	40
B2503FKG3BM	\$40,602	44
B2503FKG3OM	\$40,602	44
B2503FLG3BMH	\$32,474	84
B2503FLG3BMHD	\$35,559	91
B2503FLG3BMHDL	\$34,134	91
B2503FLG3BMHL	\$31,172	84

Model No.	Price	Page
B2503FLG3BML	\$37,802	44
B2503FLG3BSHJL	\$37,193	97
B2503FLG3OMH	\$32,474	84
B2503FLG3OMHD	\$35,559	91
B2503FLG3OMHDL	\$34,134	91
B2503FLG3OMHL	\$31,172	84
B2503FLG3OML	\$37,802	44
B2503FLG3OSHJL	\$37,193	97
B2504KF4BSF	\$26,709	44
B2504KF4OSF	\$26,709	44
B2504FLF3BMHDL	\$27,912	91
B2504FLF3BMHL	\$25,490	84
B2504FLF3BSHJL	\$30,659	97
B2504FLF4BM	\$37,032	44
B2504FLF4BMH	\$29,717	85
B2504FLF4BMHD	\$32,540	92
B2504FLF4BMHDL	\$27,912	91
B2504FLF4BMHL	\$25,490	84
B2504FLF4BML	\$31,423	44
B2504FLF4BSHJL	\$30,659	97
B2504FLF4OM	\$37,032	44
B2504FLF4OMH	\$29,717	85
B2504FLF4OMHD	\$32,540	92
B2504FLF4OMHDL	\$27,912	92
B2504FLF4OMHL	\$25,490	85
B2504FLF4OML	\$31,423	44
B2504FLF4OSHJL	\$30,659	97
B2504FLG3BM	\$33,751	44
B2504FLG3BMH	\$27,139	84
B2504FLG3BMHD	\$29,717	91
B2504FLG3OM	\$33,751	44
B2504FLG3OMH	\$27,139	85
B2504FLG3OMHD	\$29,717	92
B2504VLF4BM	\$20,746	30
B2504VLF4BMH	\$28,440	40
B2504VLF4OM	\$20,746	30
B2504VLF4OMH	\$28,440	40
B2504VLG3BM	\$20,746	30
B2504VLG3BMH	\$28,440	40
B2504VLG3OM	\$20,746	30
B2504VLG3OMH	\$28,440	40
B2506FLF4BM	\$42,936	44
B2506FLF4BMH01	\$36,073	85
B2506FLF4BMHD	\$39,500	92
B2506FLF4BMHDL	\$34,843	92
B2506FLF4BMHL	\$31,820	85
B2506FLF4BML	\$36,920	44
B2506FLF4BSHJL	\$37,937	97
B2506FLF4OM	\$42,936	44
B2506FLF4OMH01	\$36,073	85
B2506FLF4OMHD	\$39,500	92
B2506FLF4OMHDL	\$34,843	92
B2506FLF4OMHL	\$31,820	85

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B2506FLF4OML	\$36,920	44
B2506FLF4OSHJL	\$37,937	97
B2506FLG3BM	\$39,655	44
B2506FLG3BMH01	\$33,495	85
B2506FLG3BMHD	\$36,677	92
B2506FLG3OM	\$39,655	44
B2506FLG3OMH01	\$33,495	85
B2506FLG3OMHD	\$36,677	92
B2506VLF4BM	\$27,901	30
B2506VLF4BME	\$22,964	30
B2506VLF4BMH	\$36,174	40
B2506VLF4OM	\$27,901	30
B2506VLF4OME	\$22,964	30
B2506VLF4OMH	\$36,174	40
B2506VLG3BM	\$24,620	30
B2506VLG3BMH	\$32,963	40
B2506VLG3OM	\$24,620	30
B2506VLG3OMH	\$32,963	40
B2508FLF4BM	\$58,773	44
B2508FLF4BMH	\$64,309	55
B2508FLF4BMHDL	\$65,956	68
B2508FLF4BMHL	\$61,247	55
B2508FLF4BML	\$52,718	44
B2508FLF4OM	\$58,773	44
B2508FLF4OMH	\$64,309	55
B2508FLF4OMHDL	\$65,956	68
B2508FLF4OMHL	\$61,247	55
B2508FLF4OML	\$52,718	44
B2508FLG4BM	\$55,492	44
B2508FLG4OM	\$55,492	44
B2508VLF4BD	\$36,745	30
B2508VLF4OD	\$36,745	30
B2508VLG3BM	\$33,464	30
B2508VLG3OM	\$33,464	30
B3/42FMC2AOZ	\$430	59
B3/42FMC2OOZ	\$430	59
B3/42FMF2AOZ	\$430	43
B3/42FMF2OOZ	\$430	43
B3/44FLF2AMH	\$790	51
B3/44FLF2OMH	\$790	51
B3/44FMC2AOZ	\$500	59
B3/44FMC2OOZ	\$500	59
B3/44FMF2AOZ	\$468	43
B3/44FMF2OOZ	\$468	43
B3/462LC1BMHD	\$3,955	124
B3/462LC1OMHD	\$3,955	124
B3/462LC2AMH	\$2,268	122
B3/462LC2OMH	\$2,268	122
B3/462LF1BMHD	\$3,780	120
B3/462LF1OMHD	\$3,780	120
B3/462LF2AMH	\$2,093	118
B3/462LF2OMH	\$2,093	118
B3/46DLF2AMH02	\$792	37

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B3/46DLF2OMH02	\$792	37
B3/46FLC2AMH02	\$1,063	60
B3/46FLC2AOZ	\$684	59
B3/46FLC2OMH02	\$1,063	60
B3/46FLC2OOZ	\$684	59
B3/46FLF1BMHD02	\$949	64
B3/46FLF1BYHD	\$863	64
B3/46FLF1OMHD02	\$949	64
B3/46FLF2AMH03	\$932	51
B3/46FLF2AOZ	\$647	43
B3/46FLF2AYH	\$807	51
B3/46FLF2OMH03	\$888	51
B3/46FLF2OOZ	\$647	43
B3/46FLF2OYH	\$807	52
B3/46FLF3BMHJ01	\$1,161	70
B3/46FLF3OMHJ01	\$1,161	70
B3/46FLT2AMH	\$1,008	56
B3/46FLT2OMH	\$1,008	56
B3/46YLF2ASH	\$1,618	75
B3/46YLF2OSH	\$1,618	75
B3/48FLF1BMHD	\$1,561	64
B3/48FLF1OMHD	\$1,561	64
B3/48FLF2AMH	\$1,517	52
B3/48FLF2OMH	\$1,517	52
B3/48FLF3BMHJ	\$2,579	70
B3/48FLF3OMHJ	\$2,579	70
B3/48YLF2ASH	\$1,949	75
B3/48YLF2OSH	\$1,949	75
B3001FLG3BM	\$50,260	44
B3001FLG3BMHDL	\$42,611	92
B3001FLG3BMHL	\$38,830	85
B3001FLG3BML	\$46,795	44
B3001FLG3OM	\$50,260	44
B3001FLG3OMHDL	\$42,611	92
B3001FLG3OMHL	\$38,830	85
B3001FLG3OML	\$46,795	44
B3001FLG8BMH	\$40,275	85
B3001FLG8BMHD	\$44,056	92
B3001FLG8OMH	\$40,275	85
B3001FLG8OMHD	\$44,056	92
B3002VLG3BM	\$27,577	30
B3002VLG3BMH	\$35,919	40
B3002VLG3OM	\$27,577	30
B3002VLG3OMH	\$35,919	40
B3003FLG3BM	\$50,260	44
B3003FLG3BMHDL	\$42,611	92
B3003FLG3BMHL	\$38,830	85
B3003FLG3BML	\$46,795	44
B3003FLG3BSHJL	\$46,095	97
B3003FLG3OM	\$50,260	44
B3003FLG3OMHDL	\$42,611	92
B3003FLG3OMHL	\$38,830	85
B3003FLG3OML	\$46,795	44

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B3003FLG3OSHJL	\$46,095	97
B3003FLG8BMH	\$40,275	85
B3003FLG8BMHD	\$44,056	92
B3003FLG8OMH	\$40,275	85
B3003FLG8OMHD	\$44,056	92
B3004FLF3BMHDL	\$32,541	92
B3004FLF3BMHL	\$29,717	85
B3004FLF3BSHJL	\$35,519	97
B3004FLF4BM	\$42,951	44
B3004FLF4BMH01	\$33,785	85
B3004FLF4BMHD	\$36,995	92
B3004FLF4BMHDL	\$32,540	92
B3004FLF4BMHL	\$29,717	85
B3004FLF4BML	\$36,936	44
B3004FLF4BSHJL	\$35,519	97
B3004FLF4OM	\$42,951	44
B3004FLF4OMH01	\$33,785	85
B3004FLF4OMHD	\$36,995	92
B3004FLF4OMHDL	\$32,540	92
B3004FLF4OMHL	\$29,717	85
B3004FLF4OML	\$36,936	44
B3004FLF4OSHJL	\$35,519	97
B3004FLG3BM	\$39,670	44
B3004FLG3BMH01	\$31,207	85
B3004FLG3BMHD	\$34,172	92
B3004FLG3OM	\$39,670	44
B3004FLG3OMH01	\$31,207	85
B3004FLG3OMHD	\$34,172	92
B3004VLF4BM	\$23,014	30
B3004VLF4BMH	\$29,846	40
B3004VLF4OM	\$23,014	30
B3004VLF4OMH	\$29,846	40
B3004VLG3BM	\$23,014	30
B3004VLG3BMH	\$29,846	40
B3004VLG3OM	\$23,014	30
B3004VLG3OMH	\$29,846	40
B3006FLF4BM	\$48,024	45
B3006FLF4BMH01	\$48,200	85
B3006FLF4BMHD	\$51,981	92
B3006FLF4BMHDL	\$47,205	92
B3006FLF4BMHL	\$43,424	85
B3006FLF4BML	\$41,656	44
B3006FLF4BSHJL	\$50,917	97
B3006FLF4OM	\$48,024	45
B3006FLF4OMH01	\$48,200	85
B3006FLF4OMHD	\$51,981	92
B3006FLF4OMHDL	\$47,205	92
B3006FLF4OMHL	\$43,424	85
B3006FLF4OML	\$41,656	44
B3006FLF4OSHJL	\$50,917	97
B3006FLG3BM	\$44,743	45
B3006FLG3BMH01	\$45,622	85
B3006FLG3BMHD	\$49,403	92

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B3006FLG3OM	\$44,743	45
B3006FLG3OMH	\$45,622	85
B3006FLG3OMHD	\$49,403	92
B3006VKF4BME	\$26,667	30
B3006VKF4OME	\$26,667	30
B3006VKG3BME	\$26,667	30
B3006VKG3OME	\$26,667	30
B3006VLF4BM	\$31,871	31
B3006VLF4BMH	\$43,482	40
B3006VLF4OM	\$31,871	31
B3006VLF4OMH	\$43,482	40
B3006VLG3BM	\$28,590	31
B3006VLG3BMH	\$40,271	40
B3006VLG3OM	\$28,590	31
B3006VLG3OMH	\$40,271	40
B3501FLG3BMHDL	\$47,133	92
B3501FLG3BMHL	\$43,352	85
B3501FLG3BML	\$50,476	45
B3501FLG3OMHDL	\$47,133	92
B3501FLG3OMHL	\$43,352	85
B3501FLG3OML	\$50,476	45
B3501FLG8BM	\$51,487	45
B3501FLG8OM	\$51,487	45
B3502VLG3BM	\$31,587	31
B3502VLG3BMH	\$38,997	40
B3502VLG3OM	\$31,587	31
B3502VLG3OMH	\$38,997	40
B3503FLG3BMHDL	\$47,133	92
B3503FLG3BMHL	\$43,352	85
B3503FLG3BML	\$50,476	45
B3503FLG3OMHDL	\$47,133	92
B3503FLG3OMHL	\$43,352	85
B3503FLG3OML	\$50,476	45
B3503FLG8BM	\$51,487	45
B3503FLG8BMH	\$45,509	85
B3503FLG8BMHD	\$49,290	92
B3503FLG8OM	\$51,487	45
B3503FLG8OMH	\$45,509	85
B3503FLG8OMHD	\$49,290	92
B3504FLF3BMHDL	\$36,588	92
B3504FLF3BMHL	\$33,414	85
B3504FLF4BM	\$46,851	45
B3504FLF4BMH01	\$37,661	85
B3504FLF4BMHD	\$41,239	92
B3504FLF4BMHDL	\$36,588	92
B3504FLF4BMHL	\$33,414	85
B3504FLF4BML	\$40,567	45
B3504FLF4OM	\$46,851	45
B3504FLF4OMH	\$37,661	85
B3504FLF4OMHD	\$41,239	92
B3504FLF4OMHDL	\$36,588	92
B3504FLF4OMHL	\$33,414	85
B3504FLF4OML	\$40,567	45

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B3504FLG3BM	\$43,570	45
B3504FLG3BMH01	\$35,083	85
B3504FLG3BMHD	\$38,416	92
B3504FLG3OM	\$43,570	45
B3504FLG3OMH01	\$35,083	85
B3504FLG3OMHD	\$38,416	92
B3504VLF4BM	\$30,515	31
B3504VLF4BME	\$25,401	31
B3504VLF4BMH	\$37,974	40
B3504VLF4OM	\$30,515	31
B3504VLF4OME	\$25,401	31
B3504VLF4OMH	\$37,974	40
B3504VLG3BM	\$27,234	31
B3504VLG3BME	\$25,401	31
B3504VLG3BMH	\$34,763	40
B3504VLG3OM	\$27,234	31
B3504VLG3OME	\$25,401	31
B3504VLG3OMH	\$34,763	40
B3506FLF4BM	\$51,609	45
B3506FLF4BMH	\$50,677	85
B3506FLF4BMHD	\$54,458	92
B3506FLF4BMHDL	\$49,563	92
B3506FLF4BMHL	\$45,782	85
B3506FLF4BML	\$48,569	45
B3506FLF4OM	\$51,609	45
B3506FLF4OMH	\$50,677	85
B3506FLF4OMHD	\$54,458	93
B3506FLF4OMHDL	\$49,563	93
B3506FLF4OMHL	\$45,782	85
B3506FLF4OML	\$48,569	45
B3506FLG3BM	\$48,328	45
B3506FLG3BMH	\$48,099	85
B3506FLG3BMHD	\$51,880	92
B3506FLG3OM	\$48,328	45
B3506FLG3OMH	\$48,099	85
B3506FLG3OMHD	\$51,880	93
B3506VLF4BM	\$32,587	31
B3506VLF4OM	\$32,587	31
B3506VLG3BM	\$29,306	31
B3506VLG3OM	\$29,306	31
B4001FLG8BM	\$57,686	45
B4001FLG8BMH	\$54,004	86
B4001FLG8BMHD	\$57,786	93
B4001FLG8OM	\$57,686	45
B4001FLG8OMH	\$54,004	86
B4001FLG8OMHD	\$57,786	93
B4002VLG3BM	\$35,942	31
B4002VLG3BMH	\$45,278	40
B4002VLG3OM	\$35,942	31
B4002VLG3OMH	\$45,278	40
B4003FLG3BML	\$54,801	45
B4003FLG3OML	\$54,801	45
B4003FLG8BM	\$57,686	45

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B4003FLG8BMH	\$54,004	86
B4003FLG8BMHD	\$57,786	93
B4003FLG8OM	\$57,686	45
B4003FLG8OMH	\$54,004	86
B4003FLG8OMHD	\$57,786	93
B4004FLF4BMH01	\$51,681	86
B4004FLF4BMHD	\$55,462	93
B4004FLF4BML	\$53,976	45
B4004FLF4OMH01	\$51,681	86
B4004FLF4OMHD	\$55,462	93
B4004FLF4OML	\$53,976	45
B4004FLG3BMH01	\$49,102	86
B4004FLG3BMHD	\$52,884	93
B4004FLG3OMH01	\$49,102	86
B4004FLG3OMHD	\$52,884	93
B4004VLF4BM	\$32,182	31
B4004VLF4BME	\$26,956	31
B4004VLF4BMH	\$47,044	40
B4004VLF4OM	\$32,182	31
B4004VLF4OME	\$26,956	31
B4004VLF4OMH	\$47,044	40
B4004VLG3BM	\$28,901	31
B4004VLG3BME	\$26,956	31
B4004VLG3BMH	\$43,833	40
B4004VLG3OM	\$28,901	31
B4004VLG3OME	\$26,956	31
B4004VLG3OMH	\$43,833	40
B4501FLG8BM	\$63,525	46
B4501FLG8BMH	\$60,762	86
B4501FLG8BMHD	\$64,544	93
B4501FLG8OM	\$63,525	46
B4501FLG8OMH	\$60,762	86
B4501FLG8OMHD	\$64,544	93
B4502VLG3BM	\$39,287	31
B4502VLG3BME	\$36,645	31
B4502VLG3BMH	\$48,928	40
B4502VLG3OM	\$39,287	32
B4502VLG3OME	\$36,645	31
B4502VLG3OMH	\$48,928	40
B4503FLG8BM	\$63,525	46
B4503FLG8BMH	\$60,762	86
B4503FLG8BMHD	\$64,544	93
B4503FLG8OM	\$63,525	46
B4503FLG8OMH	\$60,762	86
B4503FLG8OMHD	\$64,544	93
B4504FLF4BM	\$61,254	46
B4504FLF4BMH	\$52,485	86
B4504FLF4BMHD	\$56,266	93
B4504FLF4OM	\$61,254	46
B4504FLF4OMH	\$52,485	86
B4504FLF4OMHD	\$56,266	93
B4504FLG3BM	\$57,973	46
B4504FLG3BMH	\$49,907	86

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B4504FLG3BMHD	\$53,688	93
B4504FLG3OM	\$57,973	46
B4504FLG3OMH	\$49,907	86
B4504FLG3OMHD	\$53,688	93
B4504VKF4BME	\$28,201	32
B4504VKF4OME	\$28,201	32
B4504VKG3BME	\$28,201	32
B4504VKG3OME	\$28,201	32
B4504VLF4BM	\$35,724	32
B4504VLF4BMH	\$52,522	41
B4504VLF4OM	\$35,724	32
B4504VLF4OMH	\$52,522	41
B4504VLG3BM	\$32,443	32
B4504VLG3BMH	\$49,311	40
B4504VLG3OM	\$32,443	32
B4504VLG3OMH	\$49,311	40
B5001FKG8BMH	\$67,510	86
B5001FKG8BMHD	\$71,292	93
B5001FKG8OMH	\$67,510	87
B5001FKG8OMHD	\$71,292	93
B5002VLG3BM	\$42,711	32
B5002VLG3BME	\$39,836	32
B5002VLG3BMH	\$54,352	41
B5002VLG3OM	\$42,711	32
B5002VLG3OME	\$39,836	32
B5002VLG3OMH	\$54,352	41
B5003FKG8BMH	\$67,510	86
B5003FKG8BMHD	\$71,292	93
B5003FKG8OMH	\$67,510	86
B5003FKG8OMHD	\$71,292	93
B5003FLG8BM	\$72,916	46
B5003FLG8OM	\$72,916	46
B5004FLF4BM	\$64,651	46
B5004FLF4BMH	\$58,030	87
B5004FLF4BMHD	\$61,811	93
B5004FLF4OM	\$64,651	46
B5004FLF4OMH	\$58,030	87
B5004FLF4OMHD	\$61,811	93
B5004FLG3BM	\$61,370	46
B5004FLG3BMH	\$55,452	87
B5004FLG3BMHD	\$59,233	93
B5004FLG3OM	\$61,370	46
B5004FLG3OMH	\$55,452	87
B5004FLG3OMHD	\$59,233	93
B5004VKF4BME	\$39,167	32
B5004VKF4OME	\$39,167	32
B5004VKG3BME	\$39,167	32
B5004VKG3OME	\$39,167	32
B5004VLF4BM	\$46,366	32
B5004VLF4BMH	\$59,312	41
B5004VLF4OM	\$46,366	32
B5004VLF4OMH	\$59,312	41
B5004VLG3BM	\$43,085	32

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B5004VLG3BMH	\$56,191	41
B5004VLG3OM	\$43,085	32
B5004VLG3OMH	\$56,191	41
B6002VKG3BME	\$54,372	32
B6002VKG3OME	\$54,372	32
B7002VKG3BMH	\$69,529	41
B7002VKG3OMH	\$69,529	41
BY152DLF2AMH02	\$746	37
BY152DLF2AYH	\$623	37
BY152DLF2OMH02	\$746	37
BY152FLC2AMH02	\$1,028	60
BY152FLC2AOZ	\$560	59
BY152FLC2OMH02	\$1,028	60
BY152FLC2OOZ	\$560	59
BY152FLF1BMHD02	\$1,008	65
BY152FLF1BYHD	\$873	65
BY152FLF1OMHD02	\$1,008	65
BY152FLF2AMH03	\$895	52
BY152FLF2AOZ	\$557	43
BY152FLF2AYH	\$745	52
BY152FLF2OMH03	\$895	52
BY152FLF2OOZ	\$557	43
BY152FLF2OYH	\$745	52
BY152FLF3BMHJ01	\$1,123	70
BY152FLF3OMHJ01	\$1,123	70
BY152FLT2AMH	\$973	56
BY152FLT2OMH	\$973	56
BY152YLF2AMH	\$1,602	75
BY152YLF2OMH	\$1,602	75
BY1543LC1BMHD	\$4,049	124
BY1543LC1OMHD	\$4,049	124
BY1543LC2AMH	\$2,340	122
BY1543LC2OMH	\$2,340	122
BY1543LF1BMHD	\$3,874	120
BY1543LF1OMHD	\$3,874	120
BY1543LF2AMH	\$2,165	118
BY1543LF2OMH	\$2,165	118
BY154DLF2AMH02	\$721	37
BY154DLF2AYH	\$623	37
BY154DLF2OMH02	\$721	37
BY154FLC2AMH02	\$1,001	60
BY154FLC2AOZ	\$566	59
BY154FLC2OMH02	\$1,001	60
BY154FLC2OOZ	\$566	59
BY154FLF1BMHD02	\$958	65
BY154FLF1BYHD	\$871	65
BY154FLF1OMHD02	\$958	65
BY154FLF2AMH03	\$868	52
BY154FLF2AOZ	\$549	43
BY154FLF2AYH	\$752	52
BY154FLF2OMH03	\$868	52
BY154FLF2OOZ	\$549	43
BY154FLF2OYH	\$752	52

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BY154FLF3BMHJ01	\$1,111	70
BY154FLF3OMHJ01	\$1,111	70
BY154FLT2AMH	\$947	56
BY154FLT2AYH	\$872	56
BY154FLT2OMH	\$947	56
BY154YLF2AMH	\$1,583	75
BY154YLF2OSH	\$1,583	75
BY1563LC1BMHD	\$4,379	124
BY1563LC1OMHD	\$4,379	124
BY1563LC2AMH	\$2,631	122
BY1563LC2OMH	\$2,631	122
BY1563LF1BMHD	\$4,204	120
BY1563LF1OMHD	\$4,204	120
BY1563LF2AMH	\$2,456	118
BY1563LF2OMH	\$2,456	118
BY156DLF2AMH02	\$895	37
BY156DLF2OMH02	\$895	37
BY156FLC2AMH02	\$1,174	60
BY156FLC2AOZ	\$765	59
BY156FLC2OMH02	\$1,174	60
BY156FLC2OOZ	\$765	59
BY156FLF1BMHD02	\$1,144	65
BY156FLF1BYHD	\$1,040	65
BY156FLF1OMHD02	\$1,144	65
BY156FLF2AMH03	\$1,049	52
BY156FLF2AOZ	\$752	43
BY156FLF2AYH	\$907	52
BY156FLF2OMH03	\$999	52
BY156FLF2OOZ	\$752	43
BY156FLF2OYH	\$907	52
BY156FLF3BMHJ01	\$1,529	70
BY156FLF3OMHJ01	\$1,529	70
BY156FLT2AMH	\$1,120	56
BY156FLT2OMH	\$1,120	56
BY156YLF2ASH	\$1,776	75
BY156YLF2OSH	\$1,776	75
BY1584LC1BMHD	\$5,390	124
BY1584LC1OMHD	\$5,390	124
BY1584LC2AMH	\$3,639	122
BY1584LC2OMH	\$3,639	122
BY1584LF1BMHD	\$5,172	120
BY1584LF1OMHD	\$5,172	120
BY1584LF2AMH	\$3,420	118
BY1584LF2OMH	\$3,420	118
BY158FLF1BMHD	\$2,001	65
BY158FLF1OMHD	\$2,001	65
BY158FLF2AMH	\$1,883	52
BY158FLF2OMH	\$1,883	52
BY158FLF3BMHJ	\$3,123	70
BY158FLF3OMHJ	\$3,123	70
BY158YLF2ASH	\$2,237	75
BY158YLF2OSH	\$2,237	75
BY752DLF2AMH02	\$1,526	38

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BY752DLF2AYH	\$1,386	38
BY752DLF2OMH02	\$1,526	38
BY752FLC2OMH01	\$1,673	61
BY752FLC2UMH01	\$1,673	61
BY752FLF1BMHD04	\$1,782	66
BY752FLF2OMH04	\$1,527	53
BY752FLF2UMH04	\$1,527	53
BY752FLF3BMHJ02	\$2,161	71
BY752FLF3OMHD04	\$1,782	66
BY752FLF3OMHJ02	\$2,161	71
BY752FLT2OMH	\$1,629	57
BY752FLT2UMH	\$1,629	57
BY752YLF2OMH	\$2,765	76
BY752YLF2UMH	\$2,765	76
BY7545LC2OSH	\$4,801	123
BY7545LC2USH	\$4,801	123
BY7545LC3BSHD	\$6,525	125
BY7545LC3OSHD	\$6,525	125
BY7545LF2OSH	\$4,582	119
BY7545LF2USH	\$4,582	119
BY7545LF3BSHD	\$6,306	121
BY7545LF3OSHD	\$6,306	121
BY754DLF2OSH01	\$1,321	38
BY754DLF2USH01	\$1,321	38
BY754FLC2OSH01	\$1,673	61
BY754FLC2USH01	\$1,673	61
BY754FLF1BSHD04	\$1,688	66
BY754FLF2OSH04	\$1,454	53
BY754FLF2USH04	\$1,454	53
BY754FLF3BSHJ01	\$2,145	71
BY754FLF3OSHD04	\$1,688	66
BY754FLF3OSHJ01	\$2,145	71
BY754FLT2OSH	\$1,629	57
BY754FLT2USH	\$1,629	57
BY754YLF2OMH	\$2,633	76
BY754YLF2USH	\$2,633	76
BY7566LC2OSH	\$6,423	123
BY7566LC2USH	\$6,423	123
BY7566LC3BSHD	\$8,785	125
BY7566LC3OSHD	\$8,785	125
BY7566LF2OSH	\$6,073	119
BY7566LF2USH	\$6,073	119
BY7566LF3BSHD	\$8,435	121
BY7566LF3OSHD	\$8,435	121
BY756DLF2OMH01	\$2,178	38
BY756DLF2UMH01	\$2,178	38
BY756FLC2OSH01	\$2,826	61
BY756FLC2USH01	\$2,826	61
BY756FLF1BMHD02	\$2,826	66
BY756FLF2OSH02	\$2,476	53
BY756FLF2USH02	\$2,476	53
BY756FLF3BMHJ01	\$3,574	71
BY756FLF3OMHD02	\$2,826	66

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BY756FLF3OMHJ01	\$3,574	71
BY756FLT2OSH	\$2,771	57
BY756FLT2USH	\$2,771	57
BY756YLF2OMH	\$3,981	76
BY756YLF2USH	\$3,981	76
BY7586LF2OSH	\$9,200	119
BY7586LF2USH	\$9,200	119
BY7586LF3BSHD	\$11,628	121
BY7586LF3OSHD	\$11,628	121
BY7587LC2OSH	\$9,550	123
BY7587LC2USH	\$9,550	123
BY7587LC3BSHD	\$11,978	125
BY7587LC3OSHD	\$11,978	125
BY758FLF2OSH	\$4,713	53
BY758FLF2USH	\$4,713	53
BY758FLF3BMHD	\$5,013	66
BY758FLF3BMHJ	\$6,248	71
BY758FLF3OMHD	\$5,013	66
BY758FLF3OMHJ	\$6,248	71
BY758YLF2OMH	\$4,814	76
BY758YLF2USH	\$4,814	76
C0014FLF2OMWQ	\$558	127
C0014FLF2UMWQ	\$558	127
C0024FLF2OMWQ	\$672	127
C0024FLF2UMWQ	\$672	127
C0034FLF2OMWQ	\$757	127
C0034FLF2UMWQ	\$757	127
C0054FLF2OMWQ	\$879	127
C0054FLF2UMWQ	\$879	127
C0104FLF2OSWQ	\$1,575	127
C0104FLF2USWQ	\$1,575	127
C0106FLF2OSWQ	\$2,673	127
C0106FLF2USWQ	\$2,673	127
C0154FLF2OSWQ	\$2,184	127
C0154FLF2USWQ	\$2,184	127
C0156FLF3OMWQ	\$3,982	127
C0156FLF3UMWQ	\$3,982	127
C0204FLF2OSWQ	\$2,643	127
C0204FLF2USWQ	\$2,643	127
C0206FLF3OMWQ	\$4,511	127
C0206FLF3UMWQ	\$4,511	127
C0254FLF3OMWQ	\$3,523	127
C0254FLF3UMWQ	\$3,523	127
C0256FLF3OMWQ	\$5,558	128
C0256FLF3UMWQ	\$5,558	128
C0304FLF3OMWQ	\$3,941	128
C0304FLF3UMWQ	\$3,941	128
C0306FLF3OMWQ	\$5,712	128
C0306FLF3UMWQ	\$5,712	128
C0404FLF3OSWQ	\$5,262	128
C0404FLF3USWQ	\$5,262	128
C0406FLF3OMWQ	\$8,482	128
C0406FLF3UMWQ	\$8,482	128

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C0504FLF3OSWQ	\$5,873	128
C0504FLF3USWQ	\$5,873	128
C0506FLF3OMWQ	\$9,536	128
C0506FLF3UMWQ	\$9,536	128
C0604FLF3OMWQ	\$8,225	128
C0604FLF3UMWQ	\$8,225	128
C0606FLF3OSWQ	\$12,444	128
C0606FLF3USWQ	\$12,444	128
C0754FLF3OMQ	\$6,946	130
C0754FLF3UMQ	\$6,946	130
C0756FLF3OMQ	\$9,275	130
C0756FLF3UMQ	\$9,275	130
C1004FLF3OSQ	\$8,775	130
C1004FLF3USQ	\$8,775	130
C1006FLF4OMQ	\$12,749	130
C1006FLF4UMQ	\$12,749	130
C1254FLF4OMQ	\$12,396	130
C1254FLF4UMQ	\$12,396	130
C1256FLF4OMQ	\$13,751	130
C1256FLF4UMQ	\$13,751	130
C1258FLF4BMQ	\$18,891	130
C1258FLF4OMQ	\$18,891	130
C1504FLF4OMQ	\$13,917	130
C1504FLF4UMQ	\$13,917	130
C1506FLF4BMQ	\$15,791	130
C1506FLF4BMQZ	\$15,791	130
C1506FLF4OMQ	\$15,791	130
C1506FLF4OMQZ	\$15,791	130
C2004FLF4BMQ	\$16,745	130
C2004FLF4BMQZ	\$16,745	130
C2004FLF4OMQ	\$16,745	130
C2004FLF4OMQZ	\$16,745	131
C2006FLF4BMQ	\$20,676	131
C2006FLF4OMQ	\$20,676	131
C2008FLF4BMQ	\$36,019	131
C2008FLF4OMQ	\$36,019	131
CY154FLF2OMWQ	\$617	127
CY154FLF2UMWQ	\$617	127
CY754FLF2OSWQ	\$1,492	127
CY754FLF2USWQ	\$1,492	127
F2002VLG3JF	\$25,606	148
F2004VLF3JF	\$28,328	148
F2006VLF3JF	\$33,833	148
F2008VLF3JF	\$42,666	148
F2008VLF3JM	\$59,208	148
F2502VLG3JF	\$31,202	148
F2504VLF3JF	\$30,306	148
F2506VLF3JF	\$35,051	148
F2508VLF3JF	\$54,773	148
F2508VLF3JM	\$61,640	148
F3002VLG3JF	\$32,488	148
F3004VLF3JF	\$32,602	148
F3006VLF3JF	\$36,360	148

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F3008FLF4BM	\$61,614	45
F3008FLF4BMH	\$69,339	55
F3008FLF4BMHD	\$70,355	68
F3008FLF4BMQ	\$49,235	131
F3008FLF4OM	\$61,614	45
F3008FLF4OMH	\$69,339	55
F3008FLF4OMHD	\$74,048	68
F3008FLF4OMQ	\$49,235	131
F3008FLG3BM	\$58,333	45
F3008FLG3BMH	\$65,646	55
F3008FLG3BMHD	\$70,355	68
F3008FLG3OM	\$58,333	45
F3008FLG3OMH	\$65,646	55
F3008FLG3OMHD	\$74,048	68
F3008VLF3JF	\$55,835	148
F3008VLF3JM	\$62,928	148
F3008VLF4BM	\$39,739	31
F3008VLF4OM	\$39,739	31
F3008VLG3BM	\$36,458	31
F3008VLG3OM	\$36,458	31
F3502VLG3JF	\$34,373	148
F3504VLF3JF	\$34,635	148
F3506VLF3JF	\$39,020	149
F3508FLF4BM	\$71,336	45
F3508FLF4BMH	\$80,279	55
F3508FLF4BMHD	\$81,296	68
F3508FLF4BMQ	\$53,838	131
F3508FLF4OM	\$71,336	45
F3508FLF4OMH	\$80,279	55
F3508FLF4OMHD	\$84,989	68
F3508FLF4OMQ	\$53,838	131
F3508FLG3BM	\$68,055	45
F3508FLG3BMH	\$76,587	55
F3508FLG3BMHD	\$81,296	68
F3508FLG3OM	\$68,055	45
F3508FLG3OMH	\$76,587	55
F3508FLG3OMHD	\$84,989	68
F3508VLF3JM	\$67,086	149
F3508VLF4BM	\$45,816	31
F3508VLF4OM	\$45,816	31
F3508VLG3BM	\$42,534	31
F3508VLG3OM	\$42,534	31
F4002VLG3JF	\$34,497	149
F4004VLF3JF	\$40,486	149
F4006FLF4BM	\$58,515	45
F4006FLF4BMH	\$57,548	86
F4006FLF4BMHD	\$61,330	93
F4006FLF4BMQ	\$45,593	131
F4006FLF4OM	\$58,515	45
F4006FLF4OMH	\$57,548	86
F4006FLF4OMHD	\$61,330	93
F4006FLF4OMQ	\$45,593	131
F4006FLG3BM	\$55,234	45

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F4006FLG3BMH	\$54,970	86
F4006FLG3BMHD	\$58,752	93
F4006FLG3OM	\$55,234	45
F4006FLG3OMH	\$54,970	86
F4006FLG3OMHD	\$58,752	93
F4006VLF3JF	\$39,964	149
F4006VLF4BM	\$47,031	31
F4006VLF4OM	\$47,031	31
F4006VLG3BM	\$43,750	31
F4006VLG3OM	\$43,750	31
F4008FLF4BM	\$81,059	46
F4008FLF4BMH	\$91,220	55
F4008FLF4BMHD	\$92,237	68
F4008FLF4BMQ	\$63,203	131
F4008FLF4OM	\$81,059	46
F4008FLF4OMH	\$91,220	55
F4008FLF4OMHD	\$95,929	68
F4008FLF4OMQ	\$63,203	131
F4008FLG3BM	\$77,777	46
F4008FLG3BMH	\$87,528	55
F4008FLG3BMHD	\$92,237	68
F4008FLG3OM	\$77,777	46
F4008FLG3OMH	\$87,528	55
F4008FLG3OMHD	\$95,929	68
F4008VLF3JM	\$71,884	149
F4008VLF4BM	\$51,892	31
F4008VLF4OM	\$51,892	31
F4008VLG3BM	\$48,611	31
F4008VLG3OM	\$48,611	31
F4502VLG3JF	\$74,573	149
F4504VLF3JF	\$83,871	149
F4506FLF4BM	\$68,906	46
F4506FLF4BMH	\$62,261	86
F4506FLF4BMHD	\$66,042	93
F4506FLF4BMQ	\$52,081	131
F4506FLF4OM	\$68,906	46
F4506FLF4OMH	\$62,261	86
F4506FLF4OMHD	\$66,042	93
F4506FLF4OMQ	\$52,081	131
F4506FLG3BM	\$65,625	46
F4506FLG3BMH	\$59,296	86
F4506FLG3BMHD	\$63,078	93
F4506FLG3OM	\$65,625	46
F4506FLG3OMH	\$59,296	86
F4506FLG3OMHD	\$63,078	93
F4506VLF3JF	\$80,802	149
F4506VLF4BM	\$52,500	32
F4506VLF4OM	\$52,500	32
F4506VLG3BM	\$49,218	32
F4506VLG3OM	\$49,218	32
F4508FLF4BM	\$90,781	46
F4508FLF4BMQ	\$67,860	131
F4508FLF4OM	\$90,781	46

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F4508FLF4OMQ	\$67,860	131
F4508FLG3BM	\$87,500	46
F4508FLG3OM	\$87,500	46
F4508VLF3JM	\$63,128	149
F4508VLF4BM	\$57,968	32
F4508VLF4OM	\$57,968	32
F4508VLG3BM	\$54,687	32
F4508VLG3OM	\$54,687	32
F5002VLG3JF	\$83,102	149
F5004VLF3JF	\$77,668	149
F5006FLF4BM	\$76,198	46
F5006FLF4BMH	\$68,849	87
F5006FLF4BMHD	\$72,630	93
F5006FLF4BMQ	\$65,892	131
F5006FLF4OM	\$76,198	46
F5006FLF4OMH	\$68,849	87
F5006FLF4OMHD	\$72,630	93
F5006FLF4OMQ	\$65,892	131
F5006FLG3BM	\$72,916	46
F5006FLG3BMH	\$65,884	87
F5006FLG3BMHD	\$69,666	93
F5006FLG3OM	\$72,916	46
F5006FLG3OMH	\$65,884	87
F5006FLG3OMHD	\$69,666	93
F5006VKF3JF	\$84,004	149
F5006VLF3JM	\$70,135	149
F5006VLF4BM	\$57,968	32
F5006VLF4OM	\$57,968	32
F5006VLG3BM	\$54,687	32
F5006VLG3OM	\$54,687	32
F5008VLF3JM	\$82,040	149
F5008VLF4BM	\$64,045	32
F5008VLF4OM	\$64,045	32
F5008VLG3BM	\$60,764	32
F5008VLG3OM	\$60,764	32
F6002VLG3BM	\$59,692	32
F6002VLG3BMH	\$62,733	41
F6002VLG3OM	\$59,692	32
F6002VLG3OMH	\$62,733	41
F6003FLG8BM	\$83,125	46
F6003FLG8OM	\$83,125	46
F6004FLF4BM	\$76,198	46
F6004FLF4BMH	\$68,849	87
F6004FLF4BMQ	\$52,713	131
F6004FLF4OM	\$76,198	46
F6004FLF4OMH	\$68,849	87
F6004FLF4OMQ	\$52,713	131
F6004FLG3BM	\$72,916	46
F6004FLG3BMH	\$65,884	87
F6004FLG3OM	\$72,916	46
F6004FLG3OMH	\$65,884	87
F6004VLF3JM	\$70,573	149
F6004VLF4BM	\$54,323	32

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F6004VLF4OM	\$54,323	32
F6004VLG3BM	\$51,041	32
F6004VLG3OM	\$51,041	32
F6006FLF4BM	\$86,406	46
F6006FLF4BMH	\$82,027	87
F6006FLF4BMQ	\$79,071	131
F6006FLF4OM	\$86,406	46
F6006FLF4OMH	\$82,027	87
F6006FLF4OMQ	\$79,071	131
F6006FLG3BM	\$83,125	46
F6006FLG3BMH	\$79,062	87
F6006FLG3OM	\$83,125	46
F6006FLG3OMH	\$79,062	87
F6006VLF3JM	\$83,728	149
F6006VLF4BM	\$68,906	33
F6006VLF4OM	\$68,906	33
F6006VLG3BM	\$65,625	32
F6006VLG3OM	\$65,625	32
F7001VLG3BM	\$63,802	33
F7001VLG3OM	\$63,802	33
F7002VKG3BM	\$63,802	33
F7002VKG3OM	\$63,802	33
F7003FTAB11F-A	\$89,217	46
F7003FTAC11F-A	\$89,217	46
F7003VLG3BM	\$63,802	33
F7003VLG3OM	\$63,802	33
F7004FLF4BM	\$88,350	46
F7004FLF4BMH	\$79,830	87
F7004FLF4OM	\$88,350	46
F7004FLF4OMH	\$79,830	87
F7004FLG3BM	\$85,069	46
F7004FLG3BMH	\$76,865	87
F7004FLG3OM	\$85,069	46
F7004FLG3OMH	\$76,865	87
F7004VLF3JM	\$68,595	150
F7004VLF4BM	\$62,829	33
F7004VLF4OM	\$62,829	33
F7004VLG3BM	\$59,548	33
F7004VLG3OM	\$59,548	33
F7006VKF4BM	\$79,843	33
F7006VKF4OM	\$79,843	33
F7006VKG3BM	\$76,562	33
F7006VKG3OM	\$76,562	33
F7006VLF3JM	\$104,975	150
F8001VLG3BM	\$72,916	33
F8001VLG3OM	\$72,916	33
F8003VLG3BM	\$72,916	33
F8003VLG3OM	\$72,916	33
F8004VLF3JM	\$89,377	150
F8004VLF4BM	\$71,336	33
F8004VLF4OM	\$71,336	33
F8004VLG3BM	\$68,055	33
F8004VLG3OM	\$68,055	33

Model No.	Price	Page
F9004VLF3JM	\$108,160	150
M203TCAL11F-A	\$110,135	159
M203TCAL11F-C	\$132,011	159
M203TCQL11F-A	\$127,255	159
M203TCQL11F-C	\$149,131	159
M203WPAL11F-A	\$81,411	150
M203WPAL11F-C	\$103,286	150
M203WPQL11F-A	\$91,437	150
M203WPQL11F-C	\$108,557	150
M203WTAL11F-A	\$84,797	154
M203WTAL11F-C	\$106,673	154
M203WTQL11F-A	\$101,917	154
M203WTQL11F-C	\$123,793	154
M205TCAL11E-A	\$114,313	160
M205TCAL11E-C	\$136,188	160
M205TCQL11E-A	\$131,433	160
M205TCQL11E-C	\$153,308	160
M205WPAL11E-A	\$87,940	150
M205WPAL11E-C	\$109,815	150
M205WPQL11E-A	\$105,060	150
M205WPQL11E-C	\$126,935	150
M205WTAL11E-A	\$91,248	154
M205WTAL11E-C	\$113,124	154
M205WTQL11E-A	\$108,368	154
M205WTQL11E-C	\$130,244	154
M206WPAL11E-A	\$93,435	150
M206WPAL11E-C	\$115,311	150
M206WTAL11E-A	\$97,240	154
M206WTAL11E-C	\$119,115	154
M253TCAL11F-A	\$116,413	160
M253TCAL11F-C	\$138,288	160
M253TCQL11F-A	\$133,533	160
M253TCQL11F-C	\$155,408	160
M253WPAL11F-A	\$90,124	150
M253WPAL11F-C	\$112,000	151
M253WPQL11F-A	\$107,244	151
M253WPQL11F-C	\$129,120	151
M253WTAL11F-A	\$93,746	154
M253WTAL11F-C	\$115,622	154
M253WTQL11F-A	\$110,866	154
M253WTQL11F-C	\$132,742	154
M255WPAL11E-A	\$94,044	151
M255WPAL11E-C	\$115,920	151
M255WPQL11E-A	\$111,164	151
M255WPQL11E-C	\$133,040	151
M255WTAL11E-A	\$97,602	154
M255WTAL11E-C	\$119,477	154
M255WTQL11E-A	\$114,722	154
M255WTQL11E-C	\$136,597	154
M303WPAL11F-A	\$94,537	151
M303WPAL11F-C	\$116,413	151
M303WPQL11F-A	\$111,657	151
M303WPQL11F-C	\$133,533	151

Model No.	Price	Page
M303WTAL11F-A	\$98,457	154
M303WTAL11F-C	\$120,333	154
M303WTQL11F-A	\$115,577	154
M303WTQL11F-C	\$137,453	154
M305WPAL11E-A	\$97,393	151
M305WPAL11E-C	\$119,268	151
M305WPQL11E-A	\$114,513	151
M305WPQL11E-C	\$136,388	151
M305WTAL11E-A	\$100,988	154
M305WTAL11E-C	\$122,864	154
M305WTQL11E-A	\$118,108	154
M305WTQL11E-C	\$139,984	154
M353WPAL11F-A	\$97,657	151
M353WPAL11F-C	\$119,533	151
M353WPQL11F-A	\$114,777	151
M353WPQL11F-C	\$136,653	151
M353WTAL11F-A	\$102,071	154
M353WTAL11F-C	\$123,946	154
M353WTQL11F-A	\$119,191	154
M353WTQL11F-C	\$141,066	154
M355WPAL11E-A	\$99,142	151
M355WPAL11E-C	\$121,017	151
M355WPQL11E-A	\$116,262	151
M355WPQL11E-C	\$138,137	151
M403WPAL11F-A	\$101,213	151
M403WPAL11F-C	\$123,088	151
M403WPQL11F-A	\$118,333	151
M403WPQL11F-C	\$140,208	151
Y152DPNA21A-P	\$360	5
Y152DPNC21A-P	\$360	5
Y152DPSA21A-P	\$382	2
Y152DPSA31A-P	\$515	7
Y152DPSC21A-P	\$382	2
Y152DPSC31A-P	\$515	7
Y152FCNA21A-P	\$382	14
Y152FCNC21A-P	\$382	14
Y152FTSA21A-P	\$406	11
Y152FTSA22A-P	\$448	19
Y152FTSA24A-P	\$468	22
Y152FTSA31A-P	\$562	16
Y152FTSC21A-P	\$406	11
Y152FTSC22A-P	\$448	19
Y152FTSC24A-P	\$468	22
Y152FTSC31A-P	\$562	16
Y152SDSC41A-P	\$505	82
Y152SDSC42A-P	\$641	98
Y152SDSR41A-P	\$505	82
Y152SDSR42A-P	\$641	98
Y152XDSB41A-P	\$764	95
Y152XDSB42A-P	\$873	104
Y152XDSC41A-P	\$764	95
Y152XDSC42A-P	\$873	104
Y152XPEA21A-P	\$826	26

Model No.	Price	Page
Y152XPEC21A-P	\$826	26
Y152XSSB41A-P	\$616	89
Y152XSSB42A-P	\$725	101
Y152XSSC41A-P	\$616	89
Y152XSSC42A-P	\$725	101
Y154DPNA21A-P	\$360	5
Y154DPNC21A-P	\$360	5
Y154DPSA21A-P	\$382	2
Y154DPSA31A-P	\$502	7
Y154DPSC21A-P	\$382	2
Y154DPSC31A-P	\$502	7
Y154FCNA21A-P	\$382	14
Y154FCNC21A-P	\$382	14
Y154FCWB32A	\$3,428	137
Y154FCWB32H	\$3,428	137
Y154FCWB34A	\$3,416	139
Y154FCWB34H	\$3,416	139
Y154FCWC32A	\$3,428	137
Y154FCWC32H	\$3,428	137
Y154FCWC34A	\$3,416	139
Y154FCWC34H	\$3,416	139
Y154FNFB32A	\$1,440	133
Y154FNWB34K	\$3,416	139
Y154FNWC34K	\$3,416	139
Y154FTCA21A-P	\$401	110
Y154FTCC21A-P	\$401	110
Y154FTSA21A-P	\$406	11
Y154FTSA22A-P	\$448	19
Y154FTSA24A-P	\$468	22
Y154FTSA31A-P	\$562	16
Y154FTSC21A-P	\$406	11
Y154FTSC22A-P	\$448	19
Y154FTSC24A-P	\$468	22
Y154FTSC31A-P	\$562	16
Y154SDSC41A-P	\$510	82
Y154SDSC42A-P	\$646	98
Y154SDSR41A-P	\$510	82
Y154SDSR42A-P	\$646	98
Y154XDSB41A-P	\$793	95
Y154XDSB42A-P	\$902	104
Y154XDSC41A-P	\$793	95
Y154XDSC42A-P	\$902	104
Y154XPEA21A-P	\$816	26
Y154XPEC21A-P	\$816	26
Y154XSSB41A-P	\$615	89
Y154XSSB42A-P	\$724	101
Y154XSSC41A-P	\$615	89
Y154XSSC42A-P	\$724	101
Y156DPNA21A-P	\$470	5
Y156DPNC21A-P	\$470	5
Y156DPSA21A-P	\$500	2
Y156DPSA31A-P	\$652	7
Y156DPSC21A-P	\$500	2

Model No.	Price	Page
Y156DPSC31A-P	\$652	7
Y156FCNA21A-P	\$487	14
Y156FCNC21A-P	\$487	14
Y156FCWB34A	\$4,031	139
Y156FCWB34H	\$4,031	139
Y156FCWC34A	\$4,031	139
Y156FCWC34H	\$4,031	139
Y156FTCA21A-P	\$598	110
Y156FTCC21A-P	\$598	110
Y156FTSA21A-P	\$519	11
Y156FTSA22A-P	\$571	19
Y156FTSA24A-P	\$598	22
Y156FTSA31A-P	\$712	16
Y156FTSC21A-P	\$519	11
Y156FTSC22A-P	\$571	19
Y156FTSC24A-P	\$598	22
Y156FTSC31A-P	\$712	16
Y156SDSC41A-P	\$615	82
Y156SDSC42A-P	\$779	98
Y156SDSR41A-P	\$615	82
Y156SDSR42A-P	\$779	98
Y156XDSB41A-P	\$1,092	95
Y156XDSB42A-P	\$1,223	104
Y156XDSC41A-P	\$1,092	95
Y156XDSC42A-P	\$1,223	104
Y156XPEA21A-P	\$911	26
Y156XPEC21A-P	\$911	26
Y156XSSB41A-P	\$735	89
Y156XSSB42A-P	\$866	101
Y156XSSC41A-P	\$735	89
Y156XSSC42A-P	\$866	101
Y158DPSA21A	\$1,255	34
Y158DPSC21A	\$1,255	34
Y158FTSA21A	\$1,695	48
Y158FTSC21A	\$1,695	48
Y752DPNA21A-P	\$692	6
Y752DPNC21A-P	\$692	6
Y752DPSA21A-P	\$737	3
Y752DPSA31A-P	\$1,106	8
Y752DPSC21A-P	\$737	3
Y752DPSC31A-P	\$1,106	8
Y752FCNA21A-P	\$847	15
Y752FCNC21A-P	\$847	15
Y752FTSA21A-P	\$883	12
Y752FTSA22A-P	\$971	20
Y752FTSA24A-P	\$1,016	23
Y752FTSA31A-P	\$1,162	16
Y752FTSC21A-P	\$883	12
Y752FTSC22A-P	\$971	20
Y752FTSC24A-P	\$1,016	23
Y752FTSC31A-P	\$1,162	17
Y752FTVB1PX-A	\$3,136	143
Y752FTVB3PW-A	\$3,939	141

Model No.	Price	Page
Y752FTVB3PX-A	\$4,182	145
Y752SDSC41A-P	\$1,039	82
Y752SDSC42A-P	\$1,214	99
Y752SDSR41A-P	\$1,039	82
Y752SDSR42A-P	\$1,214	99
Y752XDSB41A-P	\$1,543	95
Y752XDSB42A-P	\$1,718	105
Y752XDSC41A-P	\$1,543	95
Y752XDSC42A-P	\$1,718	105
Y752XPEA21A-P	\$1,647	27
Y752XPEC21A-P	\$1,647	27
Y752XSSB41A-P	\$1,212	89
Y752XSSB42A-P	\$1,387	102
Y752XSSC41A-P	\$1,212	89
Y752XSSC42A-P	\$1,387	102
Y754DPKB11A	\$2,955	114
Y754DPNA21A-P	\$720	6
Y754DPNC21A-P	\$720	6
Y754DPSC21A-P	\$765	3
Y754DPSC31A-P	\$1,065	8
Y754DPSC21A-P	\$765	3
Y754DPSC31A-P	\$1,065	8
Y754FCFB32A	\$2,428	133
Y754FCNA21A-P	\$812	15
Y754FCNC21A-P	\$812	15
Y754FNFB32A	\$2,795	133
Y754FTCA21A-P	\$827	110
Y754FTCC21A-P	\$827	110
Y754FTSA21A-P	\$864	12
Y754FTSA22A-P	\$950	20
Y754FTSA24A-P	\$993	23
Y754FTSA31A-P	\$1,125	17
Y754FTSC21A-P	\$864	12
Y754FTSC22A-P	\$950	20
Y754FTSC24A-P	\$993	23
Y754FTSC31A-P	\$1,125	17
Y754FTVB1PX-A	\$3,074	143
Y754FTVB3PW-A	\$3,861	141
Y754FTVB3PX-A	\$4,098	145
Y754SDSC41A-P	\$1,039	82
Y754SDSC42A-P	\$1,214	99
Y754SDSR41A-P	\$1,039	82
Y754SDSR42A-P	\$1,214	99
Y754XDSB41A-P	\$1,532	95
Y754XDSB42A-P	\$1,707	105
Y754XDSC41A-P	\$1,532	95
Y754XDSC42A-P	\$1,707	105
Y754XPEA21A-P	\$1,611	27
Y754XPEC21A-P	\$1,611	27
Y754XSSB41A-P	\$1,206	89
Y754XSSB42A-P	\$1,381	102
Y754XSSC41A-P	\$1,206	89
Y754XSSC42A-P	\$1,381	102

Model No.	Price	Page
Y756DPKB11A	\$3,331	114
Y756DPKB41A-Y	\$4,165	115
Y756DPKB41A-Z	\$4,788	116
Y756DPNA21A-P	\$1,157	6
Y756DPNC21A-P	\$1,157	6
Y756DPPD11A-P	\$1,337	108
Y756DPSC21A-P	\$1,230	3
Y756DPSC31A-P	\$1,699	8
Y756DPSC21A-P	\$1,230	3
Y756DPSC31A-P	\$1,699	8
Y756FCNA21A-P	\$1,350	15
Y756FCNC21A-P	\$1,350	15
Y756FTCA21A-P	\$1,571	110
Y756FTCC21A-P	\$1,571	110
Y756FTSA21A-P	\$1,436	12
Y756FTSA22A-P	\$1,580	20
Y756FTSA24A-P	\$1,652	23
Y756FTSA31A-P	\$1,886	17
Y756FTSC21A-P	\$1,436	12
Y756FTSC22A-P	\$1,580	20
Y756FTSC24A-P	\$1,652	23
Y756FTSC31A-P	\$1,886	17
Y756SDSC41A-P	\$1,768	82
Y756SDSC42A-P	\$2,031	99
Y756SDSR41A-P	\$1,768	82
Y756SDSR42A-P	\$2,031	99
Y756XDSB41A-P	\$2,553	95
Y756XDSB42A-P	\$2,816	105
Y756XDSC41A-P	\$2,553	95
Y756XDSC42A-P	\$2,816	105
Y756XPEA21A-P	\$2,239	27
Y756XPEC21A-P	\$2,239	27
Y756XSSB41A-P	\$2,018	89
Y756XSSB42A-P	\$2,281	102
Y756XSSC41A-P	\$2,018	89
Y756XSSC42A-P	\$2,281	102
Y758DPKB11A	\$3,930	114
Y758DPKB21A-Y	\$4,913	115
Y758DPKB21A-Z	\$5,650	116
Y758DPSC21A	\$3,335	34
Y758DPSC21A	\$3,335	34
Y758FTSA21A	\$4,242	48
Y758FTSC21A	\$4,242	48

Appendix A

Model Number Breakdown Type 1

First Field (One Digit)				Second Field - HP (Three Digits)			Third Field - Poles & Fan Type (One Digit)			Fourth Field - Construction (One Digit)		Fifth Field (One Digit)	
Symbol	Phase/Start	Design	Symbol	Output (HP)		Symbol	Pole	Fan Type	Symbol	Enclosure	Symbol	Ins.	S.F.
A	Three-Phase Squirrel Cage	A	X	?	?	Reciprocal	1	Uni-CW	Single Speed	A	Open	A	1
B		B	X	1	2	1/12	2	Bi		C	Underwater Type - Gas Filled	B	1.15
C		C	X	2	0	1/20	3	Uni-CCW		D	Open Drip Proof Guarded	C	1.25
D		D					4	Bi		E	Totally Enclosed	D	1.35
I (Note 8)	Explosion Proof Drive System (UL File E53559)		1	/	8	1/8	5	Uni		F	Totally Enclosed Fan Cooled	E	1.4
			1	/	2	1/2	6	Bi		G	Weather Protected Type-1	U	SPL
L	Single-Phase Condensor SKD	L	3	/	4	3/4	7	Uni		K	Open Pipe Ventilated	F	1
M		M					8	Bi		M	Splash Proof - Open Machine	G	1.15
N		N	0	0	1	1	E	Uni		N	Weather Protected Type-2	H	1.25
O		O	0	2	0	20	9	Bi		O		I	1.35
P	Single-Phase Squirrel Cage SIK	L	1	5	0	150	F	Uni		P	Totally Enclosed Pipe-Ventilated Machine	J	1.4
Q		M					A	Bi				V	SPL
R		N	Y	?	?	1/10 Times	G	Uni		Q	Underwater Type - Oil Filled	K	1
S		O	Y	1	5	1 1/2	B	Bi		S	Guarded - Open Machine	L	1.15
T	Single-Phase, Two-Condensor Start & Operate SIKD	L	Y	7	5	7 1/2	H	Uni		U	Underwater Type - Water-Filled	M	1.25
U		M	018 (Note 4)		18.5 kW		C	Bi		V	Dripproof	N	1.35
V		N					J	Uni		Y	Explosion Proof	O	1.4
W		O					D	Bi		R	Corrosion Proof	W	SPL
E	Three-Phase Wound Rotor						K	Uni	Multi-Speed	W	Totally Enclosed Fan Cooled - Outdoor Use	P	1.0
F	Other Three-Phase						M	Bi		Z	Water-Proof Machine	Q	1.15
							N	Over 20		B	Totally Enclosed Air Over (TEAO)	R	1.25
G	Single-Phase, One Condensor SIKD						W	One Winding		H	Open Drip Proof Air Over	S	1.35
							X	Two Winding		L	Liquid Cooling	T	1.4
							Y	Three Winding		I	Water Cooling	X	SPL
X	Single-Phase Shaded Pole						Z	Other		J			
Y	Other Single-Phase						Bi = Bidirectional *			T	Totally Enclosed with Water Air Cooled (TEWAC)		
Z	IEC Metric						Uni = Unidirectional *						
							*Viewed from OPE			X	Other		
Use the Below for Motors over 1000 HP										2	Brake Motor: 6 lb. ft.		
										3	Brake Motor: 10 lb. ft.		
										4	Brake Motor: 15 lb. ft.		
										5	Brake Motor: 35 lb. ft.		
										6	Brake Motor: 50 lb. ft.		
Example(s):													
H125 = 1,250 HP													
K125 = 12,500 HP													

Model Number Breakdown Type 1

Sixth Field - Mounting (One Digit)			Seventh Field - Bearings (One Digit)		Eighth Field - Voltage (One Digit)		Ninth Field (Not To Exceed Three Digits)		Tenth Field Optional Extensions (Note 6)	
Symbol	Mount Type	Shaft End	Symbol	Bearing Type	Symbol	Volts - Hz	Symbol	Features	Symbol	Features
F	Floor-Mount	Standard	1	Shielded Ball w/Plugs	A	230/460 - 60	0	Toshiba Internal Reference	A	Toshiba Internal Reference
G		Short	2	Shielded Ball w/o Plugs	B	460 - 60	1	Toshiba Internal Reference	B	Toshiba Internal Reference
A		Special	3	Open Ball Bearing w/ Plugs	C	230 - 60	2	Toshiba Internal Reference	C	Toshiba Internal Reference
R	Resilient Base	Standard	4	Roller Bearing on P.E. w/ Plugs	D	115/230 - 60	3	Toshiba Internal Reference	D	Toshiba Internal Reference
Q		Short	5	Roller Bearing on P.E. & O.P.E.	E	115 - 60	...n	Toshiba Internal Reference	E	Toshiba Internal Reference
I		Special	6	Sleeve Bearing w/Plugs	F	240/480 - 60	A	Toshiba Internal Reference	F	Toshiba Internal Reference
T	C-Face Footed	Standard	7	Sleeve Bearing w/o Plugs	G	2300 or 2400 - 60	B	Toshiba Internal Reference	G	Toshiba Internal Reference
H		Special	8	Roller Bearing on O.P.E. & Ball on P.E.	H	220/380 - 60	C	Toshiba Internal Reference	H	Toshiba Internal Reference
U		Short	9	Special Construction	I	4000 or 4160 - 60	D	Toshiba Internal Reference	I	Toshiba Internal Reference
C	C-Face Footless	Standard	0	Other	J	2300/4160 or 2300/4000 or 2400/4160 - 60	E	Toshiba Internal Reference	J	Toshiba Internal Reference
J		Special	F	Angular Contact Ball (P.E. & O.P.E.)			F	Toshiba Internal Reference	K	Toshiba Internal Reference
E	D-Flange Footed	Standard	G	Angular Contact Ball + Ball	K	6000 or 6600 - 60	G	Toshiba Internal Reference	L	Toshiba Internal Reference
K		Special	H	Angular Contact Ball + Roller	L	208/416 - 60	H	Toshiba Internal Reference	M	Toshiba Internal Reference
D	D-Flange Footless	Standard	J	Cylindrical Roller + Ball	M	13200 - 60	I	Toshiba Internal Reference	N	Toshiba Internal Reference
L		Special	K	Cylindrical Roller + Roller	N	220/440 - 60	J	Toshiba Internal Reference	O	Toshiba Internal Reference
M	Pad-Mount Footless w/o C- Face	Standard	L	Sleeve Bearing (Horiz.) - Self Lub.	O	575 - 60	K	Toshiba Internal Reference	P	Toshiba Internal Reference
P		Special	M	Sleeve Bearing for Vertical	P	Other - 60	L	Toshiba Internal Reference	Q	Toshiba Internal Reference
N	Footless Frame	Standard	N	Third Pedestal Bearing	Q	2300 - 50	M	Toshiba Internal Reference	R	Toshiba Internal Reference
V		Special	P	Fourth Pedestal Bearing (Jackshaft)	R	4000 or 4160 - 50	N	Toshiba Internal Reference	S	Toshiba Internal Reference
X	Other	---	Q	Ball + Forced Oil Lube	S	4600 - 50	O	Toshiba Internal Reference	T	Toshiba Internal Reference
S	OEM Motor	Special Shaft & Flange	R	Roller + Forced Oil Lube	T	6000 or 6600 - 50	P	Toshiba Internal Reference	U	Toshiba Internal Reference
			S	Angular Contact + Forced Oil Lube	U	230/460 - 60	Q	Toshiba Internal Reference	V	Toshiba Internal Reference
			T	Cylindrical Roller + Forced Oil Lube	V	190/380 - 50	R	Toshiba Internal Reference	W	Toshiba Internal Reference
B	OEM Motor	Standard	U	Sleeve Bearing (Horiz.) - Forced Oil Lube	W	200/400 - 50	S	Toshiba Internal Reference	X	Toshiba Internal Reference
			V	Sleeve for Vertical + Forced Oil Lube	X	220/440 - 50	T	Toshiba Internal Reference	Y	Toshiba Internal Reference
			W	Third Pedestal Bearing + Forced Oil Lube	Y	Other - 50	U	Toshiba Internal Reference	Z	Toshiba Internal Reference
			X	Fourth Pedestal Bearing + Forced Oil Lube (Jackshaft)	Z	Other	V	Toshiba Internal Reference		
							W	Toshiba Internal Reference		
							X	Toshiba Internal Reference		
							Y	Toshiba Internal Reference		
							Z	Toshiba Internal Reference		
							LX	Toshiba Internal Reference		
							LO	Toshiba Internal Reference		
							NH	Toshiba Internal Reference		
							Medium Voltage Ratings			
							C	Toshiba Internal Reference		
							D	Toshiba Internal Reference		
							E	Toshiba Internal Reference		
							F	Toshiba Internal Reference		
							M	Toshiba Internal Reference		

Model Number Breakdown Type 2

Prefix (Optional)	Horsepower or kW	Pole Speed	Enclosure / Construction	Product Family
(One Digit)	(Three Digits)	(One Digit)	(Two Digit)	(One Digit)
—	— — —	—	— —	—
C = Canadian Part # Motor > Non-USA built product and landed directly into Canada.	Horsepower 1/2 = 1/2 HP 3/4 = 3/4 HP Y75 = 7.5 HP 1000+ (HP) Rating First Digit = M <i>[M = 50 Multiplier]</i> Second & Third Digit = A Numerical Range from 20 to 99 <i>{Ex: M20 = 1000; 50 x 20 = 1000}</i> <i>{Ex: M25 = 1250; 50 x 25 = 1250}</i> KW³ X37 = 0.37 KW Y11 = 1.1 KW 018 = 18.5 KW	Single Speed 1 = 2-Pole (uni-CW) 2 = 2-Pole (Bi) 3 = 2-Pole (Uni-CCW) 4 = 4-Pole (bi) 5 = 4-Pole (Uni-CCW) 6 = 6-Pole (Bi) 7 = 6-Pole (Uni-CCW) 8 = 8-Pole (Bi) Multi-Speed N = 4/8-Pole 1 Wdg. P = 4/8-Pole 2 Wdg. Q = 4/6-Pole 2 Wdg.	BC = Blower Cooled DP = ODP FA = TEAO FC = TEFC (IP44) FN = TENV FT = TEFC (IP54) QD = Quarry Duty SD = Severe Duty TC = TEAAC WP = WP1 WT = WP2 XD = 841 Petro-Chem XP = TEXP XS = 840 Mill & Chem	A = Anti-Friction Brgs. B = Brake Motor C = Design C D = Single Label (Class I) E = Dual Label (Class I & II) F = VFD/ASD Motor H = Close-Coupled Pump (Steel) J = Close-Coupled Pump (Cast Iron) K = Dry Kiln M = Metric ³ (KW Only) N = Steel Frame P = OWP Q = Sleeve Bearing S = Standard (default) T = Triple Rate V = Vertical P-Base W = SS Washdown

The standard frame offering's catalog number ends after the initial eleventh digit (i.e. shaft column). All alternate frame size offerings use an alpha-numerical sequence.

EXAMPLE:
 The defined standard frame assignment is N449T, the catalog number would be: 2504FCSB31A
 Alternate Frames Available:
449T Frame: Catalog Number: 2504FCSB31A-F1
505UZ Frame: Catalog Number: 2504FCSB31G-F1

Model Number Breakdown Type 2

Voltage/ Frequency	Efficiency Type	Mounting	Shaft	Suffix (Optional)
(One Digit)	(One Digit)	(One Digit)	(One Digit)	(Three Digits) - All Are Required for Proper Usage
—	—	—	—	—
60 Hz A = 230/460 B = 460 C = 575 D = 230/460/796 G = 2300 J = 2300/4160 K = 2300/4000 L = 4000 50 Hz M = 230/400	NEMA 1 = Standard Eff. 2 = Epact Eff. 3 = Premium Eff. 4 = NEMA Prem. Eff. IEC 5 = EFF1 6 = EFF2	NEMA 1 = Footed 2 = C-Face Footed 3 = D-Flange Footed 4 = C-Face Round 5 = D-Flange Round 6 = Round Body 7 = C-Face NEMA "BA" P = 10" P-Base (250~280 Frame) Q = 12" P-Base (250~320 Frame) R = 16" P-Base (280~440 Frame) S = 20" P-Base (440 Frame) T = 24" P-Base (440 Frame) IEC^{4, 5, 6} F = Footed (B3) G = FF Footed (B35) H = FT Footed (B35) J = FF Rd Body (B5) K = FT Rd Body (B5)	NEMA A = T-Shaft B = TS-Shaft C = TSS-Shaft D = TZ-Shaft E = US-Shaft F = USS-Shaft G = UZ-Shaft * H = 56C-Shaft * K = 140C-Shaft M = JM-Shaft P = JP-Shaft W = HP Solid Shaft (Normal Thrust) X = LP Solid Shaft (Medium Thrust) Y = VP Solid Shaft (High Thrust) Z = TP Hollow Shaft (High Thrust) IEC S = Std. Shaft Note: * = Shaft & Flange for Frame Series/Size Described	A = Alum. Rotor C = Cu Bar Rotor F = Alt. Frame Size P = Purchased R = Roller Bearing Y = 115°C Ambient Z = 135°C Ambient See Note #2

Notes:

(2) HP ratings covered by multiple frame assignments will follow this format as an example.

Rating: EQP/III/4P/250 HP/460 V/TEFC Available in 449, N449, & 505UZ Frames

(3) To Be Used Only in Conjunction with IEC Metric Frame Ratings; 18.5 KW is Special Case

(4) FF Flange is Similar to NEMA D-Flange with Clearance through Hole Construction

(5) FT Flange is Same as FF Flange Except Holes are Tapped

(6) FI Flange is Similar to NEMA C-Face Flange with Blind Threaded Holes (Not Very Popular)

Appendix B

Efficiency Tables

Full-Load Efficiencies for Energy Efficient Motors

Open Drip Proof Motors								
	2-Pole		4-Pole		6-Pole		8-Pole	
HP	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency
1			82.5	80.0	80.0	77.0	74.0	70.0
1.5	82.5	80.0	84.0	81.5	84.0	81.5	75.5	72.0
2	84.0	81.5	84.0	81.5	85.5	82.5	85.5	82.5
3	84.0	81.5	86.5	84.0	86.5	84.0	86.5	84.0
5	85.5	82.5	87.5	85.5	87.5	85.5	87.5	85.5
7.5	87.5	85.5	88.5	86.5	88.5	86.5	88.5	86.5
10	88.5	86.5	89.5	87.5	90.2	88.5	89.5	87.5
15	89.5	87.5	91.0	89.5	90.2	88.5	89.5	87.5
20	90.2	88.5	91.0	89.5	91.0	89.5	90.2	88.5
25	91.0	89.5	91.7	90.2	91.7	90.2	90.2	88.5
30	91.0	89.5	92.4	91.0	92.4	91.0	91.0	89.5
40	91.7	90.2	93.0	91.7	93.0	91.7	91.0	89.5
50	92.4	91.0	93.0	91.7	93.0	91.7	91.7	90.2
60	93.0	91.7	93.6	92.4	93.6	92.4	92.4	91.0
75	93.0	91.7	94.1	93.0	93.6	92.4	93.6	92.4
100	93.0	91.7	94.1	93.0	94.1	93.0	93.6	92.4
125	93.6	92.4	94.5	93.6	94.1	93.0	93.6	92.4
150	93.6	92.4	95.0	94.1	94.5	93.6	93.6	92.4
200	94.5	93.6	95.0	94.1	94.5	93.6	93.6	92.4
250	94.5	93.6	95.4	94.5	95.4	94.5	94.5	93.6
300	95.0	94.1	95.4	94.5	95.4	94.5		
350	95.0	94.1	95.4	94.5	95.4	94.5		
400	95.4	94.5	95.4	94.5				
450	95.8	95.0	95.8	95.0				
500	95.8	95.0	95.8	95.0				

Full-Load Efficiencies for Energy Efficient Motors

Totally Enclosed Fan Cooled Motors								
HP	2-Pole		4-Pole		6-Pole		8-Pole	
	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency
1	75.5	72.0	82.5	80.0	80.0	77.0	74.0	70.0
1.5	82.5	80.0	84.0	81.5	85.5	82.5	77.0	74.0
2	84.0	81.5	84.0	81.5	86.5	84.0	82.5	80.0
3	85.5	82.5	87.5	85.5	87.5	85.5	84.0	81.5
5	87.5	85.5	87.5	85.5	87.5	85.5	85.5	82.5
7.5	88.5	86.5	89.5	87.5	89.5	87.5	85.5	82.5
10	89.5	87.5	89.5	87.5	89.5	87.5	88.5	86.5
15	90.2	88.5	91.0	89.5	90.2	88.5	88.5	86.5
20	90.2	88.5	91.0	89.5	90.2	88.5	89.5	87.5
25	91.0	89.5	92.4	91.0	91.7	90.2	89.5	87.5
30	91.0	89.5	92.4	91.0	91.7	90.2	91.0	89.5
40	91.7	90.2	93.0	91.7	93.0	91.7	91.0	89.5
50	92.4	91.0	93.0	91.7	93.0	91.7	91.7	90.2
60	93.0	91.7	93.6	92.4	93.6	92.4	91.7	90.2
75	93.0	91.7	94.1	93.0	93.6	92.4	93.0	91.7
100	93.6	92.4	94.5	93.6	94.1	93.0	93.0	91.7
125	94.5	93.6	94.5	93.6	94.1	93.0	93.6	92.4
150	94.5	93.6	95.0	94.1	95.0	94.1	93.6	92.4
200	95.0	94.1	95.0	94.1	95.0	94.1	94.1	93.0
250	95.4	94.5	95.0	94.1	95.0	94.1	94.5	93.6
300	95.4	94.5	95.4	94.5	95.0	94.1		
350	95.4	94.5	95.4	94.5	95.0	94.1		
400	95.4	94.5	95.4	94.5				
450	95.4	94.5	95.4	94.5				
500	95.4	94.5	95.8	95.0				

Full-Load Efficiencies for NEMA Premium® Efficiency Electric Motors Rated 600 V or Less

Open Drip Proof Motors								
HP	2-Pole		4-Pole		6-Pole		8-Pole	
	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency
1	77.0	74.0	85.5	82.5	82.5	80.0	—	—
1.5	84.0	81.5	86.5	84.0	86.5	81.5	—	—
2	85.5	82.5	86.5	84.0	87.5	81.5	—	—
3	85.5	82.5	89.5	84.0	88.5	86.5	—	—
5	86.5	84.0	89.5	84.0	89.5	87.5	—	—
7.5	88.5	86.5	91.0	89.5	90.2	88.5	—	—
10	89.5	87.5	91.7	90.2	91.7	90.2	—	—
15	90.2	88.5	93.0	91.7	91.7	90.2	—	—
20	91.0	89.5	93.0	91.7	92.4	91.0	—	—
25	91.7	90.2	93.6	92.4	93.0	91.7	—	—
30	91.7	90.2	94.1	93.0	93.6	92.4	—	—
40	92.4	91.0	94.1	93.0	94.1	93.0	—	—
50	93.0	91.7	94.5	93.6	94.1	93.0	—	—
60	93.6	92.4	95.0	94.1	94.5	93.6	—	—
75	93.6	92.4	95.0	94.1	94.5	93.6	—	—
100	93.6	92.4	95.4	94.5	95.0	94.1	—	—
125	94.1	93.0	95.4	94.5	95.0	94.1	—	—
150	94.1	93.0	95.8	95.0	95.4	94.5	—	—
200	95.0	94.1	95.8	95.0	95.4	94.5	—	—
250	95.0	94.1	95.8	95.0	95.4	94.5	—	—
300	95.4	94.5	95.8	95.0	95.4	94.5	—	—
350	95.4	94.5	95.8	95.0	95.4	94.5	—	—
400	95.8	95.0	95.8	95.0	95.8	95.0	—	—
450	95.8	95.0	96.2	95.4	96.2	95.4	—	—
500	95.8	95.0	96.2	95.4	96.2	95.4	—	—

Full-Load Efficiencies for NEMA Premium® Efficiency Electric Motors Rated 600 V or Less

Totally Enclosed Fan Cooled Motors								
HP	2-Pole		4-Pole		6-Pole		8-Pole	
	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency	Nominal Efficiency	Minimum Efficiency
1	77.0	74.0	85.5	82.5	82.5	80.0	—	—
1.5	84.0	81.5	86.5	84.0	87.5	85.5	—	—
2	85.5	82.5	86.5	84.0	88.5	86.5	—	—
3	86.5	84.0	89.5	87.5	89.5	87.5	—	—
5	88.5	86.5	89.5	87.5	89.5	87.5	—	—
7.5	89.5	87.5	91.7	90.2	91.0	89.5	—	—
10	90.2	88.5	91.7	90.2	91.0	89.5	—	—
15	91.0	89.5	92.4	91.0	91.7	90.2	—	—
20	91.0	89.5	93.0	91.7	91.7	90.2	—	—
25	91.7	90.2	93.6	92.4	93.0	91.7	—	—
30	91.7	90.2	93.6	92.4	93.0	91.7	—	—
40	92.4	91.0	94.1	93.0	94.1	93.0	—	—
50	93.0	91.7	94.5	93.6	94.1	93.0	—	—
60	93.6	92.4	95.0	94.1	94.5	93.6	—	—
75	93.6	92.4	95.4	94.5	94.5	93.6	—	—
100	94.1	93.0	95.4	94.5	95.0	94.1	—	—
125	95.0	94.1	95.4	94.5	95.0	94.1	—	—
150	95.0	94.1	95.8	95.0	95.8	95.0	—	—
200	95.4	94.5	96.2	95.4	95.8	95.0	—	—
250	95.8	95.0	96.2	95.4	95.8	95.0	—	—
300	95.8	95.0	96.2	95.4	95.8	95.0	—	—
350	95.8	95.0	96.2	95.4	95.8	95.0	—	—
400	95.8	95.0	96.2	95.4	95.8	95.0	—	—
450	95.8	95.0	96.2	95.4	95.8	95.0	—	—
500	95.8	95.0	96.2	95.4	95.8	95.0	—	—

Appendices	Model No. Index	Spare Parts	Production Modifications	Stock Modifications	MV General Purpose XT	LV Definite Purpose XT	LV Definite Purpose CT	EQP Global	LV General Purpose XT	LV General Purpose CT
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Notes:



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