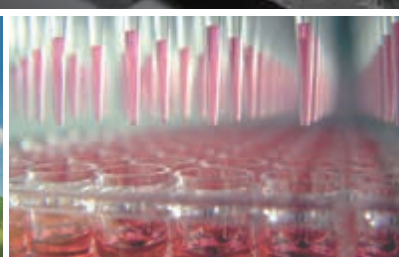




Global Catalog

Compressors, Vacuum Pumps & Liquid Pumps



Improving Lives through Innovation™

THOMAS
A Gardner Denver Product



Pumps and Compressor Solutions for OEMs Worldwide

As a leader in providing fluidic solutions to Original Equipment Manufacturers, Thomas continues to develop new products to meet the requirements of evolving markets and applications. Breadth of product, proprietary technologies and global manufacturing benefit our customers.

These distinctions coupled with innovative research and development programs, qualifies Thomas as the premier resource utilized by OEMs throughout the world.

OEM Products

The extensive product line presented in this catalog offers custom solutions configured to meet specific requirements.

Flow – The flow range extends to 12.7 cfm (360 l/min).

Pressure – The pressure range extends to 175 psi (12 bar).

Vacuum – The vacuum range extends to 99% of local barometer (10 mbar abs).

Liquid – Thomas pumps cover a flow range to 3 l/min and pressures to 80 m H₂O. These pumps are self-priming and can also be used for dosing applications.



Improving Lives
through Innovation™

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Technology Selection Guide

Operating Principles for Compressors & Vacuum Pumps



Oil-less WOB-L[®] piston pumps and compressors. Best choice for pressure and/or vacuum applications that require compact, lightweight designs and high performance piston seals.

Free flow: to 7,1 cfm (200 l/min)
Pressure: to 160 psi (11 bar)
Vacuum: to 99% local barometer



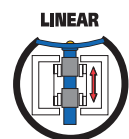
Oil-less and self-lubricating rotary vane pumps and compressors. Low vibration, nearly pulsation free, compact and in some cases reversible.

Free flow: to 10 cfm (283 lpm)
Pressure: to 15 psi (1 bar)
Vacuum: to 89% local barometer



Oil-less articulating piston pumps and compressors. Well suited for applications that require high pressures with proportionately higher flow capability.

Free flow: to 5,4 cfm (153 l/min)
Pressure: to 175 psi (12.1 bar)
Vacuum: to 94% local barometer



Oil-less linear diaphragm pumps and compressors. Quiet operation, lower pulsation, higher efficiency and fewer wearing parts.

Free flow: to 12,7 cfm (360 l/min)
Pressure: to 10,2 psi (703 mbar)
Vacuum: to 47% local barometer



Oil-less diaphragm pumps and compressors. Durable diaphragm design provides high efficiencies, low sound levels and good air tightness. Adapts well to different gases.

Free flow: to 3,2 cfm (91 l/min)
Pressure: to 44 psi (3 bar)
Vacuum: to 99% local barometer

Operating Principles for Liquid Pumps



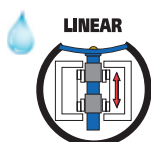
Liquid diaphragm pumps. Self priming, dry running and suitable for continuous operation. Drive available for all required AC and DC voltages.

Free flow max: 1100 ml/min
Suction height: 6 m H₂O
Pressure height: 80 m H₂O



Liquid peristaltic pumps. Low vibration, nearly pulsation free and of compact design. Reversible operation. Adjustable through supply voltage.

Free flow max: 3000 ml/min
Suction height: 8,0 m H₂O
Pressure height: 10 m H₂O



Liquid linear diaphragm pumps. Very long life and low sound level. For applications with low pressure requirements.

Free flow max: 250 ml/min
Suction height: 2,0 m H₂O
Pressure height: 7,5 m H₂O

Common Unit of Measure Conversions

Flow

1 cfm = 28,32 l/min
1 l/min = 0,0353 cfm

Pressure

1 psi = 0,069 bar
1 bar = 14,5 psi

Vacuum

1 in. Hg = 33,8 mbar
1 mbar = 0,0296 in. Hg

Dimensions

1 in = 25,4 mm
1 mm = 0,0394 in

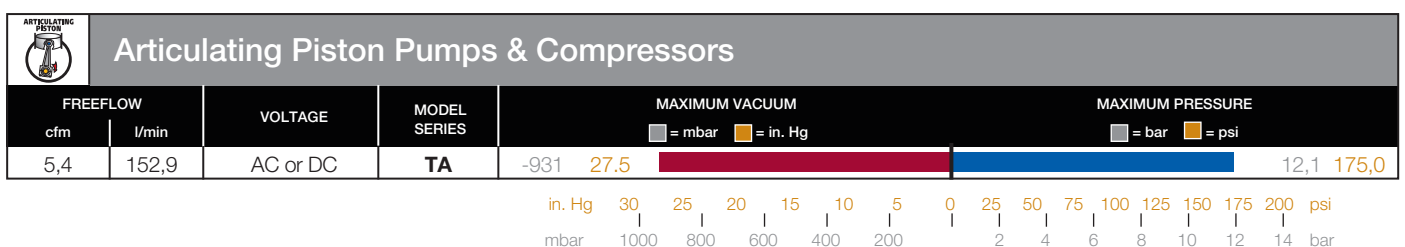
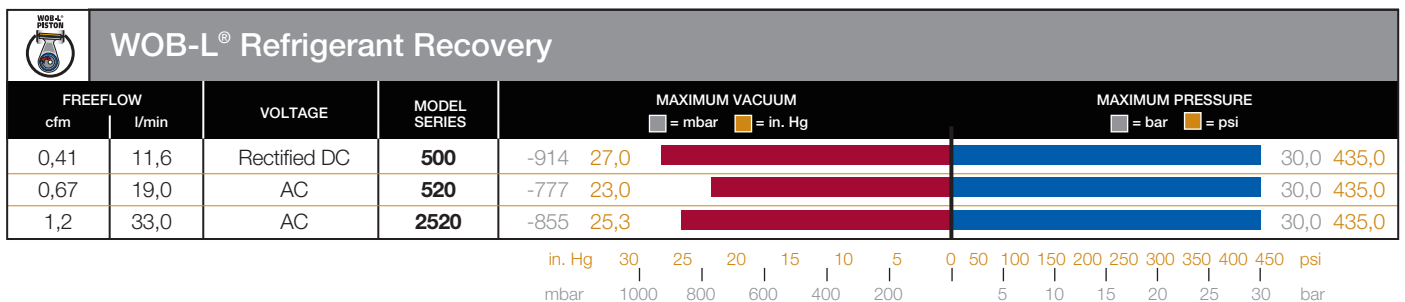
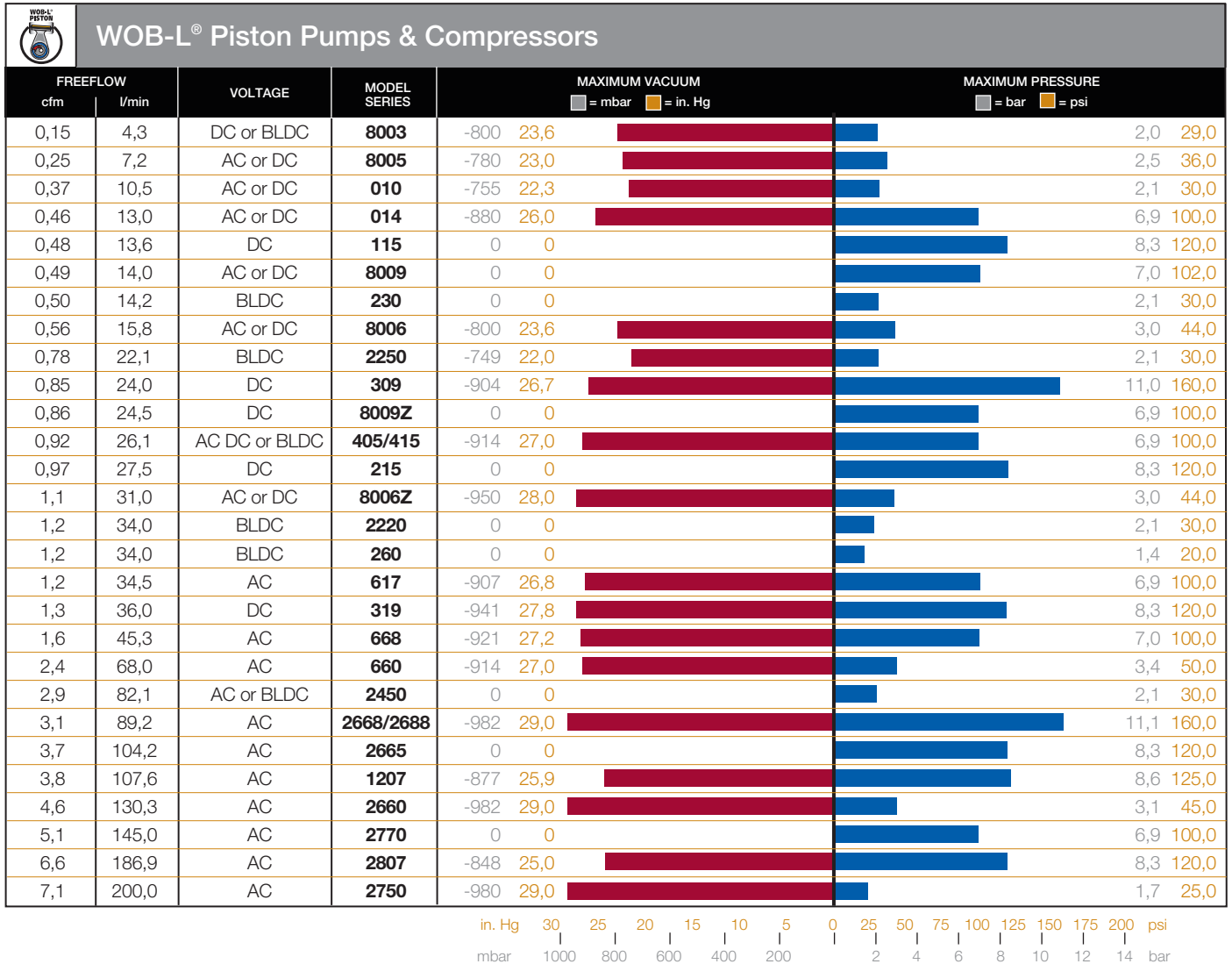
Weight

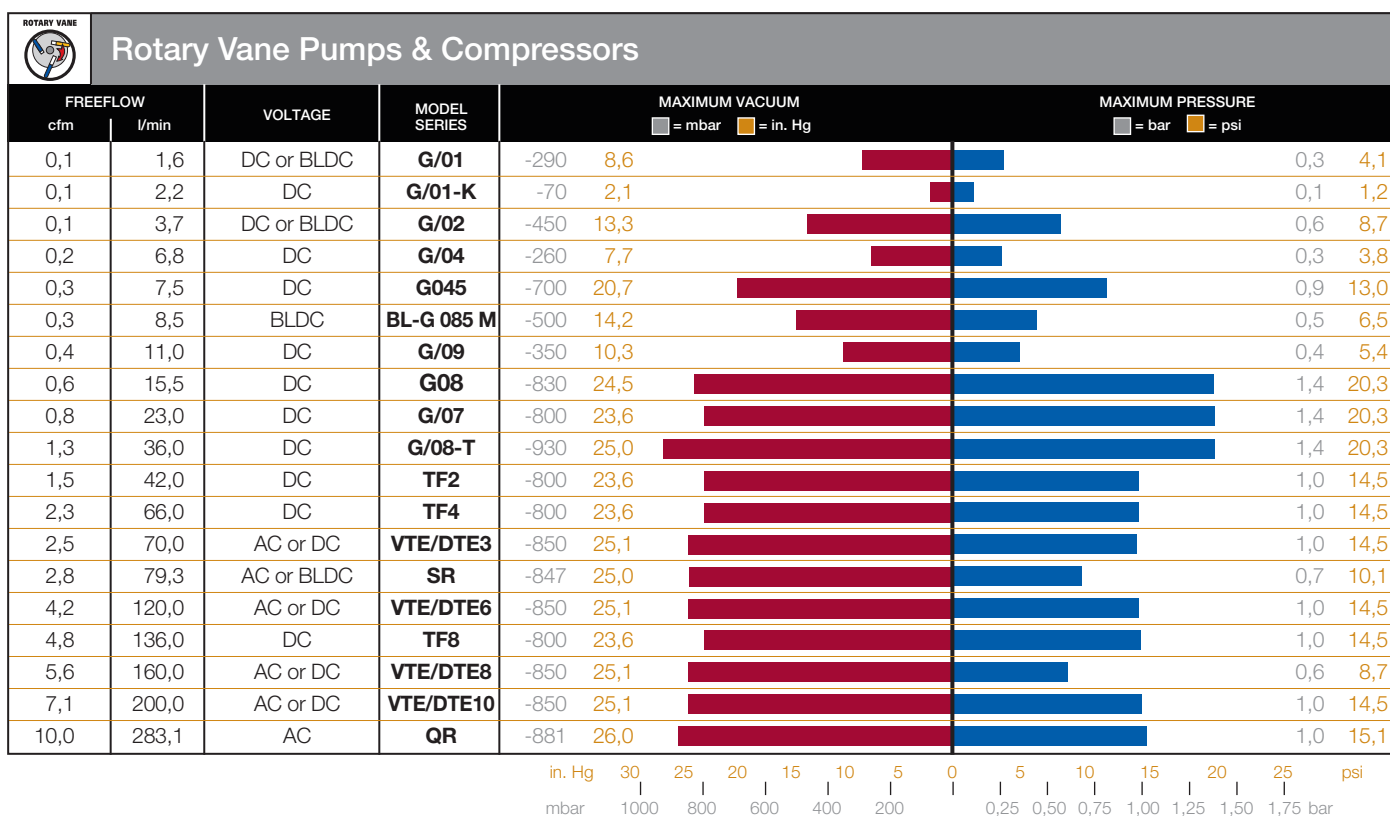
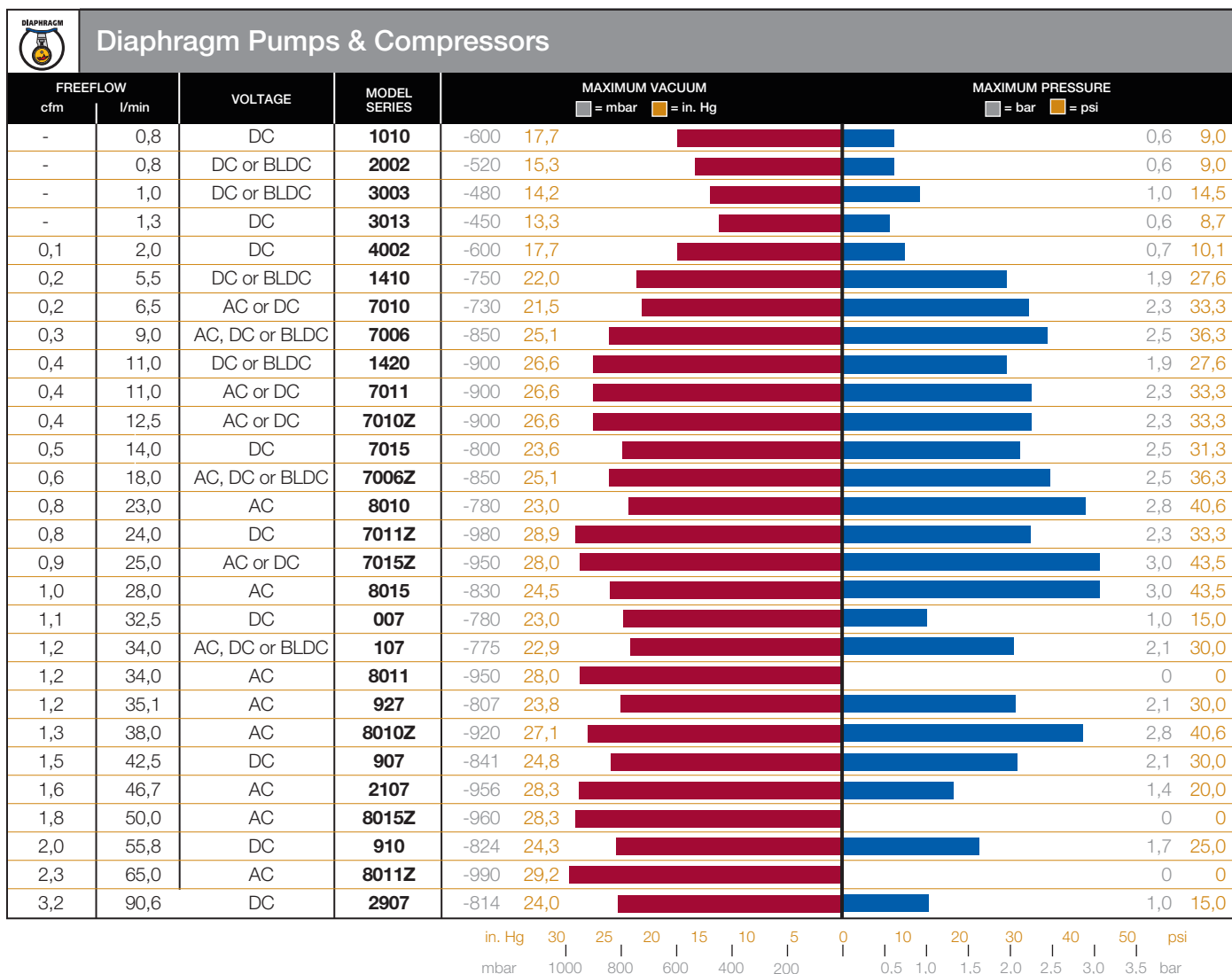
1 lb = 0,4536 kg
1 kg = 2,21 lb

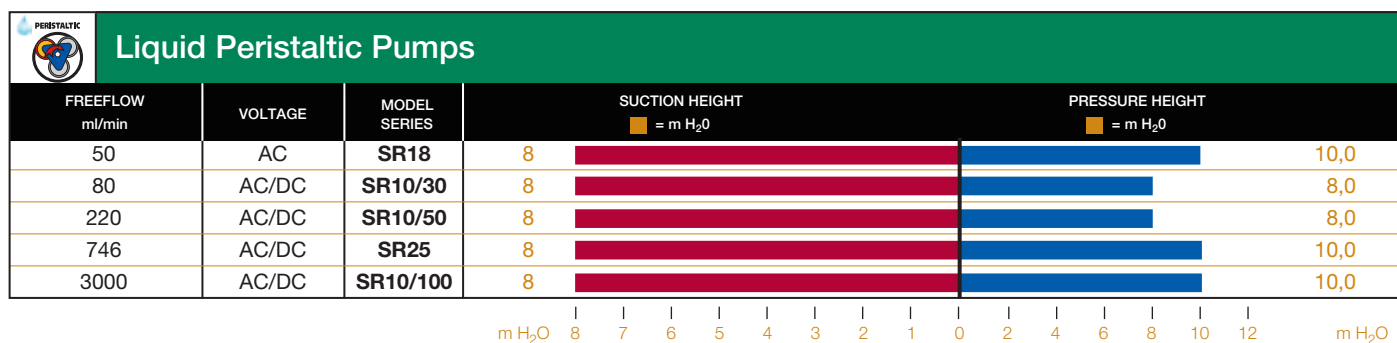
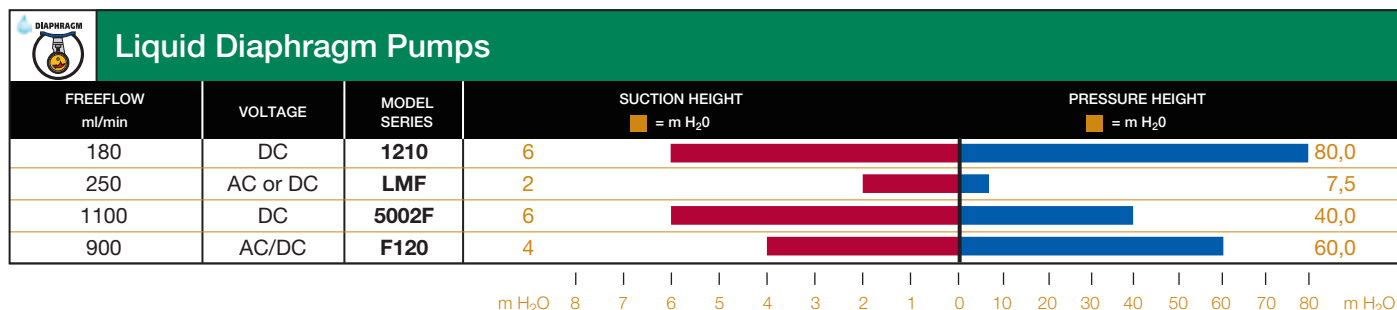
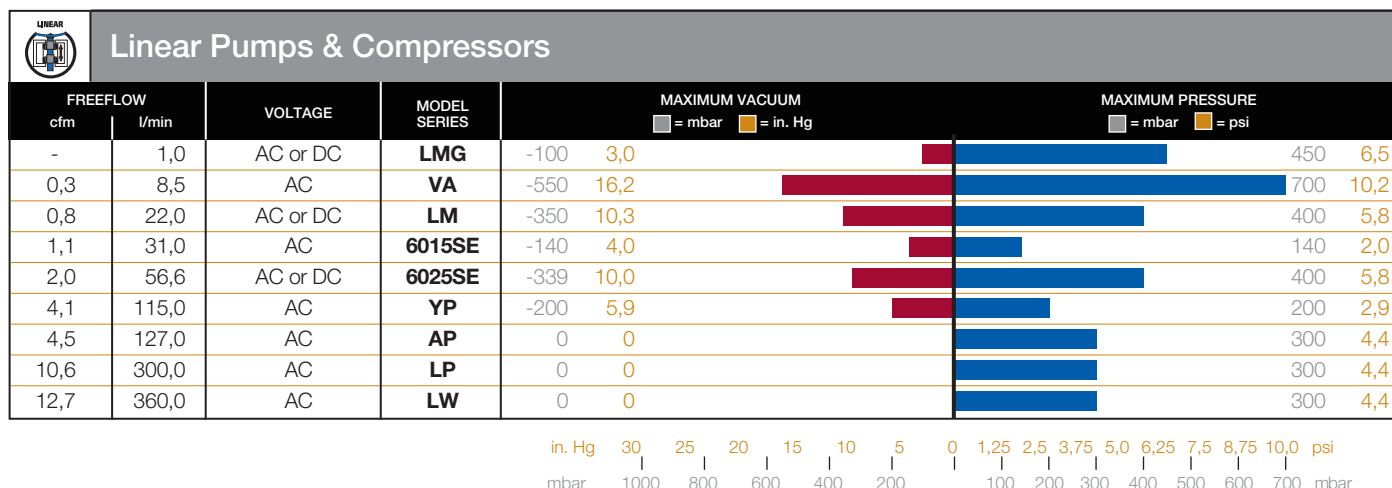
Temperature

°C = 0,55 x (°F - 32,0)
°F = (1,8 x °C) + 32,0

Model Series Selection Guide







As a leading manufacturer of OEM pumps and compressors, our innovation in design and technology has helped our customers create new innovative products and become leaders in their marketplace.

For more information on how Thomas innovation can help you lead your industry, go to gd-thomas.com.

Model Performance & Specifications

8003 BLDC



WOB-L® Piston Pumps & Compressors

Pressure Performance

MODEL	MOTOR CAPACITY		FLOW l/min @ bar								MAXIMUM PRESSURE bar	
	VOLTAGE	TYPE*	0,0	0,5	1,0	1,5	2,0	3,0	5,0	7,0	CONTINUOUS	INTERMITTENT
8003D	12,24	PM	4,3	3,1	2,1	1,3	-	-	-	-	1,0	2,0
8003ZDP	12	PM	5,4	2,8	1,6	0,8	-	-	-	-	0,3	2,0
8003V	12,24	PM	-	-	-	-	-	-	-	-	-	-
8003ZVR	12	PM	-	-	-	-	-	-	-	-	-	-
8005D	12,24	PM	7,2	5,7	4,3	3,2	2,4	-	-	-	1,5	2,5
8005D	230/50/1	SP	6,0	4,8	3,7	2,8	2,0	-	-	-	1,5	2,5
8005V	12,24	PM	-	-	-	-	-	-	-	-	-	-
8005V	230/50/1	SP	-	-	-	-	-	-	-	-	-	-
8006D	12,24	PM	15,8	12,2	9,3	6,9	4,8	1,3	-	-	1,0	3,0
8006D	230/50/1	PSC	15,8	12,6	10,1	7,6	5,5	2,0	-	-	1,0	3,0
8006V	12,24	PM	-	-	-	-	-	-	-	-	-	-
8006V	230/50/1	SP	-	-	-	-	-	-	-	-	-	-
8006ZVP	12,24	PM	-	-	-	-	-	-	-	-	-	-
8006ZVP	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-
8006ZVR	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-
8009D	12,24	PM	14,0	11,5	9,0	8,0	7,1	5,6	3,2	1,8	1,0	7,0
8009D	230/50/1	PSC	11,8	10,4	9,4	8,5	7,6	6,2	4,2	2,9	1,0	7,0
8009ZD	24	PM	24,5	21,6	19,1	17,2	15,3	13,4	10,2	7,0	1,0	7,0
8009ZD	230/50/1	PSC	22,4	19,9	17,8	16,1	14,4	11,9	8,2	5,4	1,0	7,0

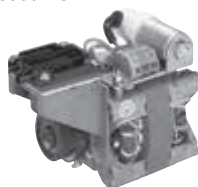
*PM = Permanent Magnet, SP = Shaded Pole, PSC = Permanent Split Capacitor

Note: Minimum release quantities or regional availability may apply. Consult factory.

8009 DC



8006 AC



115ADC



WOB-L® Piston Pumps & Compressors

Pressure Performance

MODEL	MOTOR CAPACITY		FLOW l/min @ bar								MAXIMUM PRESSURE bar	
	VOLTAGE	TYPE*	0,0	0,5	1,0	1,5	2,0	3,0	5,0	7,0	CONTINUOUS	INTERMITTENT
010CA26	115/60/1	SP	10,5	8,8	7,4	5,4	4,1	-	-	-	0,7	2,1
010CD26	230/50/1	SP	8,8	7,4	6,3	4,6	3,6	-	-	-	0,7	2,1
010CDC26/12	12	PM	10,5	8,8	7,4	5,4	4,1	-	-	-	0,7	2,1
010CR26	100/50/60/1	SP	10,5	8,8	7,4	5,4	4,1	-	-	-	2,1	2,1
014CA28	115/60/1	SP	13,0	11,2	9,8	8,9	8,0	7,1	5,0	3,3	6,9	6,9
014CD28	220/50/1	SP	10,8	8,8	7,9	7,1	6,2	5,4	4,0	2,5	6,9	6,9
014CDC20/12	12	PM	11,0	8,4	6,9	6,0	5,2	4,3	-	-	1,4	3,4
115ADC56/	12 or 24	PM	13,6	11,7	10,7	10,0	9,4	8,0	6,4	4,4	-	8,3
215ADC38/	12 or 24	PM	27,5	25,4	23,2	21,1	19,6	16,5	11,6	8,3	-	8,3
230ZA30/12	12	BLDC	10,0	8,0	7,4	6,7	6,3	-	-	-	2,1	2,1
260ZC35/24	24	BLDC	34,0	28,3	25,5	22,6	17,0	-	-	-	1,4	2,1
309CDC56/12	12	PM	24,0	18,4	15,5	12,7	11,0	9,3	-	-	-	11,0
309DDC56/12	12	PM	23,0	18,4	15,2	12,7	11,3	-	-	-	-	9,3
3191250IRBLSCE	12	PM	35,4	34,0	30,0	28,0	25,0	23,0	20,0	17,0	-	8,3
3D191250IRSLSC	12	PM	29,7	28,6	25,2	23,5	21,0	19,3	16,8	15,0	-	8,3

*PM = Permanent Magnet, SP = Shaded Pole, BLDC=Brushless DC

Note: Minimum release quantities or regional availability may apply. Consult factory.

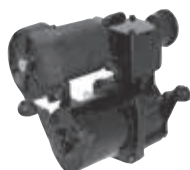
215DC



230



3D19





WOB-L® Piston Pumps & Compressors

Vacuum Performance									Specifications		
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar						MAX. VACUUM mbar	DIMENSIONS (H x W x L) mm	WEIGHT kg
	VOLTAGE	TYPE*	0	-100	-200	-400	-600	-800			
8003D	12, 24	-	-	-	-	-	-	-	-	54 x 30 x 82	0,19
8003ZDP	12	PM	-	-	-	-	-	-	-	53 x 30 x 123	0,28
8003V	12,24	PM	1,3	3,5	2,8	1,5	0,2	-	-650	54 x 30 x 82	0,19
8003ZVR	12	PM	2,9	2,5	2,0	1,2	0,6	-	-800	53 x 30 x 123	0,28
8005D	12,24	PM	-	-	-	-	-	-	-	75 x 96 x 118	1,1
8005D	230/50/1	SP	-	-	-	-	-	-	-	75 x 106 x 110	1,1
8005V	12,24	PM	7,2	6,0	4,8	3,0	1,4	-	-780	75 x 96 x 118	1,1
8005V	230/50/1	SP	6,0	4,9	3,8	2,4	1,2	-	-780	75 x 106 x 110	1,1
8006D	12,24	PM	-	-	-	-	-	-	-	100 x 71 x 146	1,2
8006D	230/50/1	PSC	-	-	-	-	-	-	-	114 x 78 x 147	1,5
8006V	12,24	PM	15,8	13,4	11,1	6,2	3,6	-	-800	100 x 71 x 146	1,2
8006V	230/50/1	SP	14,2	12,0	9,7	6,0	3,0	-	-800	110 x 71 x 131	1,5
8006ZVP	12,24	PM	31,0	25,0	20,0	11,7	5,1	-	-800	99 x 63 x 191	0,9
8006ZVP	230/50/1	PSC	29,0	24,9	20,7	12,9	6,2	-	-800	114 x 78 x 193	2,0
8006ZVR	230/50/1	PSC	14,2	12,0	10,5	7,0	4,0	1,5	-950	114 x 78 x 193	2,0
8009D	12,24	PM	-	-	-	-	-	-	-	104 x 63 x 145	1,1
8009D	230/50/1	PSC	-	-	-	-	-	-	-	108 x 91 x 153	1,7
8009ZD	24	PM	-	-	-	-	-	-	-	105 x 70 x 177	2,1
8009ZD	230/50/1	PSC	-	-	-	-	-	-	-	108 x 110 x 195	2,5

*PM = Permanent Magnet, SP = Shaded Pole, PSC = Permanent Split Capacitor

Note: Minimum release quantities or regional availability may apply. Consult factory.



WOB-L® Piston Pumps & Compressors

Vacuum Performance									Specifications		
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar						MAX. VACUUM mbar	DIMENSIONS (H x W x L) mm	WEIGHT kg
	VOLTAGE	TYPE*	0	-100	-200	-400	-600	-800			
010CA26	115/60/1	SP	10,5	8,8	7,2	4,3	1,6	-	-760	107 x 76 x 131	1,47
010CD26	230/50/1	SP	8,8	7,4	6,2	3,8	1,5	-	-760	107 x 76 x 131	1,47
010CDC26/12	12	PM	10,5	8,8	7,2	4,3	1,6	-	-760	102 x 60 x 131	0,74
010CR26	100/50/60/1	SP	10,5	8,8	7,2	4,3	1,6	-	-760	107 x 76 x 131	1,47
014CA28	115/60/1	SP	13,0	12,1	11,2	8,8	5,3	-	-880	127 x 114 x 150	2,13
014CD28	220/50/1	SP	10,8	9,6	8,3	5,8	3,2	-	-880	128 x 114 x 150	2,13
014CDC20/12	12	PM	11,0	8,5	6,5	4,9	2,5	-	-860	105 x 48 x 164	1,04
115ADC56/	12 or 24	PM	-	-	-	-	-	-	-	145 x 46 x 148	0,70
215ADC38/	12 or 24	PM	-	-	-	-	-	-	-	113 x 53 x 157	1,40
230ZA30/12	12	BLDC	-	-	-	-	-	-	-	97 x 67 x 92	0,50
260ZC35/24	24	BLDC	-	-	-	-	-	-	-	108 x 79 x 154	0,86
309CDC56/12	12	PM	21,2	18,9	16,7	11,9	7,6	3,4	-900	156 x 102 x 194	2,30
309DDC56/12	12	PM	-	-	-	-	-	-	-	172 x 134 x 231	2,90
3191250IRBLSCE	12	PM	35,4	28,5	24,0	17,0	8,0	3,5	-930	156 x 102 x 198	2,30
3D191250IRSLSC	12	PM	-	-	-	-	-	-	-	173 x 134 x 332	2,90

*PM = Permanent Magnet, SP = Shaded Pole, BLDC=Brushless DC

Note: Minimum release quantities or regional availability may apply. Consult factory.

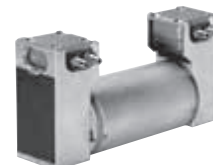
8003 Z



8005 DC



8009 ZDC



010CA



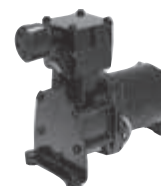
014CA



260



319





WOB-L® Piston Pumps & Compressors

Pressure Performance

MODEL	MOTOR CAPACITY		FLOW l/min @ bar								MAXIMUM PRESSURE bar	
	VOLTAGE	TYPE*	0,0	0,5	1,0	1,5	2,0	3,0	5,0	7,0	CONTINUOUS	INTERMITTENT
405AA38	115/60/1	SP	9,0	8,0	7,2	6,5	5,7	4,5	-	-	1,4	2,8
405AD38	230/50/1	SP	7,5	6,6	6,0	5,4	4,7	3,7	-	-	1,4	2,8
405ADC38/	12 or 24	PM	22,3	20,7	19,0	17,4	16,0	13,2	9,9	6,6	6,9	6,9
415CDC30/	12 or 24	PM	26,1	23,7	21,7	19,7	18,1	15,0	10,7	6,9	6,9	6,9
415ZC36/24	24	BLDC	18,1	16,2	15,1	14,1	13,0	11,7	10,1	8,7	6,9	6,9
617CA22	115/60/1	SP	22,1	20,2	18,3	16,3	14,7	11,4	6,6	1,7	6,9	6,9
617CA32	115/60/1	SP	34,5	32,1	29,5	26,9	24,4	20,2	-	-	3,4	4,2
617CD22	220/50/1	SP	19,5	17,4	15,6	13,7	12,3	9,4	5,7	2,8	6,9	6,9
617CD32	220/50/1	SP	28,6	26,5	24,4	22,1	19,8	-	-	-	2,8	2,8
660E48XNTLSXX	115/60/1	PSC	68,0	63,6	60,6	56,6	50,8	45,3	-	-	3,1	3,1
660N48XNTLSXX	230/50/1, 230/60/1	PSC	56,7	53,0	50,5	47,2	42,3	37,8	-	-	3,1(50Hz)3,4(60Hz)	3,1(50Hz)3,4(60Hz)
660S48XNTLSXX	100/50/1, 100/60/1	PSC	68,0	63,6	60,6	56,6	50,8	45,3	-	-	3,1(50Hz)3,4(60Hz)	3,1(50Hz)3,4(60Hz)
668E44XNTLSXX	115/60/1	PSC	45,3	42,8	40,5	38,4	36,8	33,5	27,3	21,1	6,9	6,9
668N44XNTLSXX	230/50/1, 230/60/1	PSC	37,8	35,7	33,8	32,0	30,7	27,9	22,8	21,1	6,9	6,9
668S44XNTLSXX	100/50/1, 100/60/1	PSC	45,3	42,8	40,5	38,4	36,8	33,5	27,3	21,1	6,9	6,9
1207PHI80	220-240/50/1	PSC	88,3	80,4	77,0	75,9	70,6	65,1	52,4	-	8,6	8,6
1207PK80	115/60/1	CS	107,0	104,6	100,8	96,2	92,3	84,6	69,4	-	8,6	8,6
22201230INTLSCX	12	BLDC	34,0	31,3	28,5	25,2	22,7	-	-	-	2,1	2,1
2250ZC35/24	24	BLDC	22,1	16,8	14,7	13,6	11,6	-	-	-	1,4	2,1
2450AE44	115/60/1	PSC	84,9	80,1	73,1	68,5	60,1	-	-	-	2,1	2,1
2450AUU44	230/50/1	PSC	73,6	69,4	64,0	59,1	51,8	-	-	-	2,1	2,1
2660E48XNTLSXX	115/60/1	PSC	130,3	124,6	113,3	106,5	102,0	-	-	-	2,8	2,8
2660N48XNTLSXX	230/50/1, 230/60/1	PSC	108,6	103,8	94,4	88,8	85,0	-	-	-	3,1	3,1
2660S48XNTLSXX	100/50/1, 100/60/1	PSC	130,3	124,6	113,3	106,5	102,0	-	-	-	1,7(50Hz)1,4(60Hz)	1,7(50Hz)1,4(60Hz)
2665PE40	115/60/1	PSC	104,2	99,1	94,0	88,4	82,7	72,6	62,5	-	7,0	8,3
2665PHI44	220-240/50/1	PSC	91,5	86,5	81,5	76,0	70,4	65,0	59,5	-	7,0	8,3
2668E44XNTLSXX	115/60/1	PSC	87,8	84,7	80,3	76,0	71,7	-	-	-	6,9	6,9
2668N44XNTLSXX	230/50/1, 230/60/1	PSC	73,6	70,6	67,6	62,5	57,3	-	-	-	6,9	6,9
2668S44XNTLSXX	100/50/1, 100/60/1	PSC	87,8	84,7	80,3	76,0	71,7	-	-	-	6,9	6,9
2688TE44/38	115/60/1	PSC	43,6	43,0	42,4	39,3	38,4	37,9	37,1	-	11,1	11,1
2688TGH144/38	220-240/50/1, 230/60/1	PSC	34,5	33,9	33,0	31,9	31,3	30,8	30,1	-	11,1	11,1
2688VE44	115/60/1	PSC	-	-	-	-	-	-	-	-	-	-
2688VGH144	220-240/50/1, 230/60/1	PSC	-	-	-	-	-	-	-	-	-	-
2688VS44	100/50/1, 100/60/1	PSC	-	-	-	-	-	-	-	-	-	-
2750BE75	115/60/1	PSC	-	-	-	-	-	-	-	-	-	-
2750BGHI75	220-240/50/1, 230/60/1	PSC	-	-	-	-	-	-	-	-	-	-
2750BS75	100/50/60/1	PSC	-	-	-	-	-	-	-	-	-	-
2750CE60	115/60/1	PSC	175,3	168,2	156,3	-	-	-	-	-	1,0	1,0
2750CGHI60	220-240/50/1, 230/60/1	PSC	150,1	140,6	130,8	122,6	-	-	-	-	1,4	1,4
2750CS60	100/50/60/1	PSC	176,7	169,1	157,7	146,4	135,7	-	-	-	1,4	1,7
2750VEF75	115/60/1, 110/50/1	PSC	-	-	-	-	-	-	-	-	-	-
2750VHI75	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-
2750VS75	100/50/60/1	PSC	-	-	-	-	-	-	-	-	-	-
2770CE50	115/60/1	PSC	145,0	137,1	128,9	120,6	112,7	100,8	73,8	-	6,9	6,9
2770CGHI50	220-240/50/1, 230/60/1	PSC	122,6	116,0	109,3	100,8	88,6	85,7	63,3	-	6,9	6,9
2807CE72	115/60/1	PSC	186,9	178,7	171,7	165,2	157,2	141,4	112,5	84,9	3,4	8,3
2807CGHI72	220-240/50/1, 230/60/1	PSC	155,2	148,3	142,6	137,2	130,6	117,4	93,4	70,4	3,4	8,3

*PM = Permanent Magnet, SP = Shaded Pole, PSC = Permanent Split Capacitor, BLDC=Brushless DC, CS = Capacitor Start

Note: Minimum release quantities or regional availability may apply. Consult factory.

2250



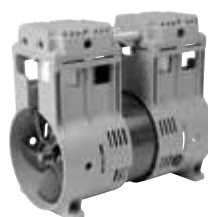
2450



2660/2668



2750



2807





WOB-L® Piston Pumps & Compressors

Vacuum Performance										Specifications	
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar						MAX. VACUUM mbar	DIMENSIONS (H x W x L) mm	WEIGHT kg
	VOLTAGE	TYPE*	0,0	-100	-200	-400	-600	-800			
405AA38	115/60/1	SP	-	-	-	-	-	-	-	135 x 108 x 171	2,50
405AD38	230/50/1	SP	-	-	-	-	-	-	-	135 x 108 x 171	2,50
405ADC38/	12 or 24	PM	-	-	-	-	-	-	-	135 x 108 x 184	1,95
415CDC30/	12 or 24	PM	26,1	23,2	20,2	13,2	7,5	2,8	-830	143 x 108 x 184	2,30
415ZC36/24	24	BLDC	18,1	15,6	13,4	10,0	6,4	3,0	-915	96 x 108 x 153	1,60
617CA22	115/60/1	SP	22,1	19,6	17,0	11,7	6,5	1,7	-860	180 x 127 x 206	5,00
617CA32	115/60/1	SP	34,5	28,7	23,5	16,4	9,4	-	-910	180 x 127 x 206	5,00
617CD22	230/50/1	SP	19,5	16,9	14,6	10,1	5,4	-	-880	180 x 127 x 206	5,00
617CD32	230/50/1	SP	28,6	24,3	20,2	13,5	7,4	-	-890	180 x 127 x 206	5,00
660E48XNTLSXX	115/60/1	PSC	68,0	58,2	52,0	40,0	18,8	7,7	-920	183 x 137 x 203	6,50
660N48XNTLSXX	230/50/1, 230/60/1	PSC	56,6	49,1	42,0	29,8	16,8	5,9	-920	183 x 137 x 203	6,10
660S48XNTLSXX	100/50/1, 100/60/1	PSC	68,0	58,2	52,0	40,0	18,8	7,7	-920	183 x 137 x 203	6,50
668E44XNTLSXX	115/60/1	PSC	45,3	37,8	31,3	22,6	13,1	-	-930	183 x 137 x 203	6,00
668N44XNTLSXX	230/50/1, 230/60/1	PSC	37,8	31,5	26,1	18,8	10,9	-	-930	183 x 132 x 181	6,00
668S44XNTLSXX	100/50/1, 100/60/1	PSC	45,3	37,8	31,3	22,6	13,1	-	-930	183 x 132 x 185	6,00
1207PHI80	220-240/50/1	PSC	88,3	72,0	58,1	40,5	22,8	6,2	-800	255 x 166 x 271	11,80
1207PK80	115/60/1	CS	107,0	87,3	70,4	49,1	27,6	7,5	-880	254 x 166 x 272	11,80
22201230INTLSCX	12	BLDC	-	-	-	-	-	-	-	49 x 67 x 119	0,70
2250ZC35/24	24	BLDC	22,1	20,3	18,4	11,2	4,2	-	-745	108 x 79 x 154	1,10
2450AE44	115/60/1	PSC	-	-	-	-	-	-	-	163 x 99 x 211	4,30
2450AUU44	230/50/1	PSC	-	-	-	-	-	-	-	163 x 99 x 211	4,30
2660E48XNTLSXX	115/60/1	PSC	130,3	113,0	95,0	63,0	39,4	11,3	-920	183 x 132 x 236	8,00
2660N48XNTLSXX	230/50/1, 230/60/1	PSC	108,6	94,2	79,2	52,5	32,8	9,4	-920	183 x 132 x 236	7,80
2660S48XNTLSXX	100/50/1, 100/60/1	PSC	130,3	113,0	95,0	63,0	39,4	11,3	-920	183 x 132 x 236	8,00
2665PE40	115/60/1	PSC	-	-	-	-	-	-	-	180 x 132 x 236	7,30
2665PHI44	220-240/50/1	PSC	-	-	-	-	-	-	-	180 x 132 x 236	7,30
2668E44XNTLSXX	115/60/1	PSC	87,8	75,0	61,5	40,2	24,1	8,7	-930	180 x 132 x 236	7,30
2668N44XNTLSXX	230/50/1, 230/60/1	PSC	73,6	63,6	53,6	35,3	21,4	7,7	-930	180 x 132 x 236	7,30
2668S44XNTLSXX	100/50/1, 100/60/1	PSC	87,8	75,0	61,5	40,2	24,1	8,7	-930	180 x 132 x 236	7,30
2688TE44/38	115/60/1	PSC	-	-	-	-	-	-	-	188 x 170 x 247	7,30
2688TGH144/38	220-240/50/1, 230/60/1	PSC	-	-	-	-	-	-	-	188 x 170 x 247	6,80
2688VE44	115/60/1	PSC	45,3	38,6	32,9	24,8	16,3	7,0	-980	188 x 168 x 247	7,40
2688VGH144	220-240/50/1, 230/60/1	PSC	38,5	35,2	31,4	22,6	14,7	7,1	-980	188 x 168 x 247	6,60
2688VS44	100/50/60/1	PSC	37,4	34,2	30,7	22,5	14,6	7,1	-980	188 x 168 x 247	7,40
2750BE75	115/60/1	PSC	199,6	186,6	169,4	117,2	68,2	23,8	-915	236 x 136 x 256	9,50
2750BGHI75	220-240/50/1, 230/60/1	PSC	181,2	161,1	140,5	98,1	57,9	15,7	-915	236 x 136 x 256	9,50
2750BS75	100/50/60/1	PSC	199,6	186,6	169,4	117,2	68,2	23,8	-915	236 x 136 x 256	9,50
2750CE60	115/60/1	PSC	175,3	146,2	120,6	85,5	49,6	15,9	-915	236 x 136 x 256	9,50
2750CGHI60	220-240/50/1, 230/60/1	PSC	150,1	131,7	112,8	80,3	48,4	18,3	-915	236 x 136 x 256	9,50
2750CS60	100/50/60/1	PSC	176,7	155,1	133,9	93,8	55,0	-	-915	236 x 136 x 256	9,50
2750VEF75	115/60/1, 110/50/1	PSC	103,0	93,3	83,2	60,5	38,4	17,9	-990	236 x 136 x 256	9,00
2750VHI75	220-240/50/1	PSC	93,1	83,1	72,9	52,4	33,1	14,9	-980	236 x 136 x 256	9,50
2750VS75	100/50/60/1	PSC	97,6	95,5	90,2	65,9	41,5	19,4	-990	236 x 136 x 256	9,50
2770CE50	115/60/1	PSC	-	-	-	-	-	-	-	243 x 155 x 325	11,30
2770CGHI50	220-240/50/1, 230/60/1	PSC	-	-	-	-	-	-	-	243 x 155 x 325	11,30
2807CE72	115/60/1	PSC	186,9	136,7	97,1	66,5	36,8	-	-850	255 x 166 x 400	17,70
2807CGHI72	220-240/50/1, 230/60/1	PSC	155,2	125,0	96,1	54,4	26,8	-	-850	255 x 166 x 400	17,70

*PM = Permanent Magnet, SP = Shaded Pole, PSC = Permanent Split Capacitor, BLDC=Brushless DC, CS = Capacitor Start

Note: Minimum release quantities or regional availability may apply. Consult factory.

415DC



617



668



1207



520



WOB-L® Refrigerant Recovery

Pressure Performance

MODEL	MOTOR CAPACITY		FLOW l/min @ bar						MAXIMUM PRESSURE bar	
	VOLTAGE	TYPE*	0,0	6,0	12,0	18,0	24,0	30,0	INLET	EXHAUST
500CAR75	100-115/50/60	RDC	11,6	8,4	7,1	6,4	4,5	3,7	2,4	30,0
500CDR75	230/50/60	RDC	11,3	8,5	6,8	6,4	4,8	3,7	2,4	30,0
520CJ75	100/50/60/1	CS	10,2	8,1	7,4	7,4	6,8	6,6	2,4	30,0
520CK75	115/60/1	CS	14,2	10,0	9,1	9,1	8,8	7,6	2,4	30,0
520CL75	220-240/50/1	CS	10,2	8,1	7,4	7,4	6,8	6,5	2,4	30,0
2520CK60	115/60/1	CS	28,3	21,5	16,4	14,0	13,1	11,9	2,4	30,0
2520CL60	220/50/240/60/1	CS	21,0	15,5	12,5	11,5	10,8	9,9	2,4	30,0

RDC=Rectified DC Permanent Magnet, CS=Capacitor Start

Note: Minimum release quantities or regional availability may apply. Consult factory.

TA-3101 DC
TA-4101 DC



Articulated Piston Pumps & Compressors

Pressure Performance

MODEL	MOTOR CAPACITY		FLOW l/min @ bar								MAXIMUM PRESSURE bar	
	VOLTAGE	TYPE*	0,0	0,5	1,0	1,5	2,0	3,0	5,0	7,0	CONTINUOUS	INTERMITTENT
TA-3101-DC (270024)	12	PM	48,1	44,9	41,8	39,0	36,8	32,5	25,7	19,3	6,9	6,9
TA-4101-DC (270025)	12	PM	62,2	57,0	52,6	48,5	45,1	39,9	32,6	26,5	6,9	6,9
TA-4101-DC (270047)	24	PM	62,2	57,0	52,6	48,5	45,1	39,9	32,6	26,5	6,9	6,9
TA-5102-DC (270058)	12	PM	115,0	103,6	99,1	96,0	91,8	83,8	66,5	44,7	6,9	6,9
TA-3051 (270002)	115/230/60/1	CS	56,6	53,4	50,3	47,6	45,5	41,4	-	-	3,4	3,4
TA-3052 (270006)	115/230/60/1	CS	70,7	66,6	62,5	58,6	55,3	49,6	-	-	3,4	3,4
TA-3101 (270005)	115/230/60/1	CS	45,3	41,1	37,6	34,7	32,3	28,3	22,0	16,7	6,9	6,9
TA-3V2 (270018)	115/230/60/1	CS	-	-	-	-	-	-	-	-	-	-
TA-4051 (270014)	115/230/60/1	CS	71,4	61,1	59,2	54,6	50,7	44,9	-	-	3,4	3,4
TA-4052 (270007)	115/230/60/1	CS	93,4	88,2	83,0	78,2	74,1	65,9	-	-	3,4	3,4
TA-4101 (270015)	115/230/60/1	CS/CR	62,2	59,1	56,0	53,1	50,4	45,6	37,5	30,8	6,9	6,9
TA-4102 (270010)	115/230/60/1	CS	73,6	69,5	65,4	61,3	57,1	49,9	40,3	33,6	6,9	6,9
TA-4172 (270072)	115/230/60/1	CS	39,6	39,1	38,5	38,0	37,4	36,1	34,4	32,5	12,0	12,0
TA-4V2 (270019)	115/230/60/1	CS	-	-	-	-	-	-	-	-	-	-
TA-5052 (270008)	115/230/60/1	CS	121,7	116,5	110,8	104,9	100,2	91,4	-	-	3,4	3,4
TA-5052 (270039)	110/220-240/50/1	CS	96,2	92,1	88,0	83,9	79,8	73,5	-	-	3,4	3,4
TA-5102 (270011)	115/230/60/1	CS	90,6	84,4	79,3	74,9	71,2	66,5	55,4	46,2	6,9	6,9
TA-5102 (270040)	110/220-240/50/1	CS	72,2	66,9	63,0	60,0	57,0	52,8	44,5	36,3	6,9	6,9
TA-5102 (270043)	208-230/460/60/3	POLY	90,6	84,4	79,3	74,9	71,2	66,5	55,4	46,2	6,9	6,9
TA-5172 (270073)	115/230/60/1	CS	50,9	50,7	50,4	50,3	50,1	49,5	48,0	46,5	12,0	12,0
TA-5172 (270078)	110/220-240/50/1	CS	40,4	40,2	39,9	39,8	39,6	39,2	38,4	37,3	12,0	12,0
TA-5172 (270076)	208/230/460/60/50/3	POLY	50,9	50,7	50,4	50,3	50,1	49,5	48,0	46,5	12,0	12,0
TA-6052 (270009)	115/230/60/1	CS	147,2	141,0	135,4	130,3	125,2	119,8	-	-	3,4	3,4
TA-6102 (270012)	115/230/60/1	CS	121,7	115,5	109,9	104,4	100,0	91,9	76,7	67,7	6,9	6,9
TA-6102 (270042)	110/220-240/50/1	CS/CR	97,6	92,4	88,0	83,9	79,8	73,5	61,2	53,5	6,9	6,9
TA-6102 (270044)	208-230/460/60/3	POLY	121,7	115,5	109,9	104,4	100,0	91,9	76,7	67,7	6,9	6,9
TA-6172 (270080)	115/230/60/1	CS/CR	67,9	67,5	67,1	66,5	66,8	66,1	64,9	63,5	12,0	12,0
TA-6172 (270082)	110/220-240/50/1	CS/CR	54,4	54,1	53,8	53,6	53,3	52,7	51,5	50,7	12,0	12,0
TA-7102 (270045)	115/230/60/1	CS/CR	152,9	148,7	144,6	140,5	136,4	128,2	111,0	92,4	6,9	6,9

*PM = Permanent Magnet, CS = Capacitor Start, CS/CR = Capacitor start/run, POLY = 3 Phase

Note: Minimum release quantities or regional availability may apply. Consult factory.

TA-2101
TA-3101
TA-4101



TA-5102





WOB-L® Refrigerant Recovery

500

Vacuum Performance									Specifications		
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar						MAX. VACUUM mbar	DIMENSIONS (H x W x L) mm	WEIGHT kg
	VOLTAGE	TYPE*	0	-100	-200	-400	-600	-800			
500CAR75	100-115/50/60	RDC	11,6	9,6	8,2	6,1	4,1	-	-910	205 x 128 x 257	5,00
500CDR75	230/50/60	RDC	11,3	9,6	8,4	6,1	4,0	-	-910	205 x 128 x 257	5,20
520CJ75	100/50/60/1	CS	10,2	8,8	7,0	4,7	2,5	-	-780	230 x 148 x 199	5,20
520CK75	115/60/1	CS	14,2	11,8	6,9	4,1	-	-	-780	230 x 148 x 193	5,20
520CL75	220-240/50/1	CS	10,2	8,8	7,0	4,7	2,5	-	-780	230 x 148 x 199	5,20
2520CK60	115/60/1	CS	28,3	23,8	19,5	12,7	6,4	-	-820	232 x 148 x 281	12,70
2520CL60	220/50240/60/1	CS	21,0	17,0	12,7	7,9	4,0	-	-820	232 x 148 x 288	13,40

RDC=Rectified DC Permanent Magnet, CS=Capacitor Start

Note: Minimum release quantities or regional availability may apply. Consult factory.



Articulated Piston Pumps & Compressors

2520

Vacuum Performance									Specifications		
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar						MAX. VACUUM mbar	DIMENSIONS (H x W x L) mm	WEIGHT kg
	VOLTAGE	TYPE*	0	-100	-200	-400	-600	-800			
TA-3101-DC (270024)	12	PM	-	-	-	-	-	-	-	219 x 148 x 293	10,0
TA-4101-DC (270025)	12	PM	-	-	-	-	-	-	-	219 x 148 x 293	10,0
TA-4101-DC (270047)	24	PM	-	-	-	-	-	-	-	219 x 148 x 293	11,3
TA-5102-DC (270058)	12	PM	-	-	-	-	-	-	-	173 x 253 x 389	18,1
TA-3051 (270002)	115/230/60/1	CS	-	-	-	-	-	-	-	206 x 146 x 308	9,5
TA-3052 (270006)	115/230/60/1	CS	-	-	-	-	-	-	-	177 x 269 x 363	15,0
TA-3101 (270005)	115/230/60/1	CS	-	-	-	-	-	-	-	206 x 146 x 308	10,0
TA-3V2 (270018)	115/230/60/1	CS	87,8	70,8	56,6	35,4	19,8	5,7	-930	177 x 269 x 363	17,0
TA-4051 (270014)	115/230/60/1	CS	-	-	-	-	-	-	-	217 x 146 x 306	11,3
TA-4052 (270007)	115/230/60/1	CS	-	-	-	-	-	-	-	177 x 269 x 363	16,0
TA-4101 (270015)	115/230/60/1	CS	-	-	-	-	-	-	-	206 x 146 x 306	11,3
TA-4102 (270010)	115/230/60/1	CS	-	-	-	-	-	-	-	177 x 259 x 292	16,3
TA-4172 (270072)	115/230/60/1	CS	-	-	-	-	-	-	-	177 x 284 x 363	20,4
TA-4V2 (270019)	115/230/60/1	CS	101,9	90,2	78,3	54,0	31,3	11,5	-930	177 x 269 x 363	17,0
TA-5052 (270008)	115/230/60/1	CS	-	-	-	-	-	-	-	176 x 269 x 363	17,0
TA-5052 (270039)	110/220-240/50/1	CS	-	-	-	-	-	-	-	176 x 269 x 363	17,0
TA-5102 (270011)	115/230/60/1	CS	-	-	-	-	-	-	-	176 x 269 x 363	17,0
TA-5102 (270040)	110/220-240/50/1	CS	-	-	-	-	-	-	-	230 x 275 x 414	17,0
TA-5102 (270043)	208-230/460/60/3	POLY	-	-	-	-	-	-	-	177 x 272 x 359	17,0
TA-5172 (270073)	115/230/60/1	CS	-	-	-	-	-	-	-	177 x 294 x 363	23,1
TA-5172 (270078)	110/220-240/50/1	CS	-	-	-	-	-	-	-	230 x 284 x 414	23,1
TA-5172 (270076)	208-230/460/60/3	POLY	-	-	-	-	-	-	-	177 x 284 x 414	23,1
TA-6052 (270009)	115/230/60/1	CS	-	-	-	-	-	-	-	230 x 286 x 436	20,4
TA-6102 (270012)	115/230/60/1	CS	-	-	-	-	-	-	-	176 x 259 x 389	20,4
TA-6102 (270042)	110/220-240/50/1	CS/CR	-	-	-	-	-	-	-	176 x 259 x 389	20,4
TA-6102 (270044)	208-230/460/60/3	POLY	-	-	-	-	-	-	-	176 x 259 x 389	20,4
TA-6172 (270080)	115/230/60/1	CS/CR	-	-	-	-	-	-	-	177 x 284 x 363	25,4
TA-6172 (270082)	110/220-240/50/1	CS/CR	-	-	-	-	-	-	-	177 x 284 x 363	25,4
TA-7102 (270045)	115/230/60/1	CS/CR	-	-	-	-	-	-	-	189 x 299 x 409	27,7

*PM = Permanent Magnet, CS = Capacitor Start, CS/CR = Capacitor start/run, POLY = 3 Phase

Note: Minimum release quantities or regional availability may apply. Consult factory.





Diaphragm Pumps & Compressors

1010 DC



1410 DC



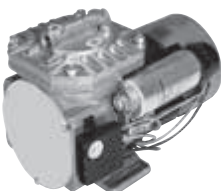
7006 DC



7010 DC



8010



Pressure Performance

MODEL	MOTOR CAPACITY		FLOW l/min @ bar								MAXIMUM PRESSURE bar	
	VOLTAGE	TYPE*	0,0	0,5	1,0	1,5	2,0	3,0	5,0	7,0	CONTINUOUS	INTERMITTENT
1010	2,5 - 4	PM	0,8	0,1	-	-	-	-	-	-	0,6	0,6
2002	2,0 - 12	PM	0,8	0,1	-	-	-	-	-	-	0,2	0,6
3003	4,5 - 12	PM	1,0	0,1	-	-	-	-	-	-	0,2	0,6
3013	4,5 - 12	PM	1,3	0,1	-	-	-	-	-	-	0,2	0,6
4002D	6	PM	2,0	0,8	-	-	-	-	-	-	0,2	0,7
1410D	12, 24	PM	5,5	2,5	-	-	-	-	-	-	1,0	1,0
1410VD	12, 24	PM	4,3	2,5	1,4	0,6	-	-	-	-	0,7	1,9
1420DP	12, 24	PM	11,0	5,1	-	-	-	-	-	-	1,0	1,0
1420VDP	12,24	PM	8,2	6,0	3,9	1,7	-	-	-	-	0,7	1,9
7006	12,24	PM	7,2	5,3	3,9	2,8	1,9	-	-	-	0,8	2,5
7006	230/50/1	PSC	6,9	5,0	3,7	2,3	1,3	-	-	-	0,8	2,5
7006ZP	12,24	PM	13,8	9,4	7,1	5,5	4,1	-	-	-	0,8	2,5
7006ZP	230/50/1	PSC	13,8	9,4	7,1	5,5	4,1	-	-	-	0,8	2,5
7006ZVR	12,24	PM	-	-	-	-	-	-	-	-	-	-
7006ZVR	230/50/1	SP	-	-	-	-	-	-	-	-	-	-
7010	12,24	PM	6,5	4,5	2,9	1,9	-	-	-	-	1,0	2,2
7010	115/60/1,230/50/1	SP	5,8	4,3	3,0	2,0	-	-	-	-	1,2	2,3
7010ZDP	12,24	PM	12,0	8,1	5,1	2,5	-	-	-	-	0,8	2,0
7010ZDP	115/60/1,230/50/1	SP	10,4	7,3	4,8	2,5	-	-	-	-	0,8	2,3
7010ZVR	12,24	PM	-	-	-	-	-	-	-	-	-	-
7010ZVR	230/50/1	SP	-	-	-	-	-	-	-	-	-	-
7011	12,24	PM	12,4	8,1	5,3	3,5	1,5	-	-	-	0,8	2,3
7011ZP	12,24	PM	24,0	17,0	11,0	8,0	-	-	-	-	0,5	2,3
7011ZR	12,24	PM	-	-	-	-	-	-	-	-	-	-
7015ZR	12,24	PM	-	-	-	-	-	-	-	-	-	-
7015ZR	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-
7015	12,24	PM	14,0	9,7	7,1	4,9	3,1	-	-	-	1,0	2,5
7015ZP	12,24	PM	27,0	20,0	15,0	12,0	9,0	-	-	-	1,0	3,0
7015ZP	230/50/1	PSC	22,0	16,2	11,5	9,3	5,3	-	-	-	1,0	2,5
8010	230/50/1	PSC	23,0	16,0	11,0	8,0	4,5	1,8	-	-	1,0	2,8
8010ZP	230/50/1	PSC	38,0	31,0	24,0	17,0	11,0	3,5	-	-	0,8	2,8
8010ZR	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-
8011	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-
8011ZP	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-
8011ZR	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-
8015	230/50/1	PSC	28,0	22,0	17,5	13,0	10,0	3,5	-	-	0,8	3,0
8015ZP	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-
8015ZR	230/50/1	PSC	-	-	-	-	-	-	-	-	-	-

*PM = Permanent Magnet, SP = Shaded Pole,

*PSC=Permanent Split Capacitor, Consult factory for 60 hertz models – minimum quantities apply.

Note: Minimum release quantities or regional availability may apply. Consult factory.



Diaphragm Pumps & Compressors

Vacuum Performance									Specifications		
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar						MAX. VACUUM	DIMENSIONS (H x W x L) mm	WEIGHT kg
	VOLTAGE	TYPE*	0	-100	-200	-400	-600	-800			
1010	2,5 - 4	PM	0,8	0,6	0,4	0,1	-	-	-500	23 x 14 x 33	0,02
2002	2,0 - 10	PM	0,8	0,6	0,4	-	-	-	-500	26 x 17 x 41	0,03
3003	4,5 - 12	PM	1,0	0,6	0,3	-	-	-	-380	37 x 23 x 43	0,04
3013	4,5 - 12	PM	1,3	0,7	0,4	0,1	-	-	-450	34 x 23 x 44	0,03
4002V	6	PM	2,0	1,5	1,2	0,5	-	-	-600	30 x 17 x 53	0,05
1410V	12,24	PM	5,5	4,6	3,9	2,4	1,0	-	-750	54 x 30 x 83	0,17
1410VD	12,24	PM	4,3	3,5	2,8	1,7	0,6	-	-730	54 x 30 x 83	0,17
1420VP	12,24	PM	11,0	9,5	8,0	5,0	2,1	-	-780	75 x 30 x 87	0,22
1420VDP	12,24	PM	8,2	7,0	5,8	3,2	1,0	-	-730	75 x 30 x 87	0,22
7006	12,24	PM	7,2	5,3	4,4	2,7	1,2	0,3	-850	78 x 47 x 123	0,60
7006	230/50/1	PSC	6,9	5,3	4,3	2,6	1,2	0,3	-850	110 x 79 141	1,6
7006ZP	12,24	PM	13,8	10,6	8,6	5,3	2,8	0,9	-850	78 x 47 x 123	0,9
7006ZP	230/50/1	PSC	13,8	10,6	8,6	5,3	2,8	0,9	-850	110 x 79 x 185	1,8
7006ZVR	12,24	PM	6,6	5,7	4,8	3,2	1,9	0,7	-950	78 x 47 x 123	0,90
7006ZVR	230/50/1	SP	7,1	6,0	5,0	3,3	1,9	0,6	-950	78 x 61 x 123	1,8
7010	12,24	PM	6,5	4,6	3,7	2,2	1,0	-	-730	86 x 48 x 120	0,60
7010	115/230/1	SP	5,8	4,5	3,5	2,1	0,9	-	-780	83 x 61 x 109	0,95
7010ZDP	12,24	PM	12,0	10,0	8,0	4,5	1,7	-	-750	82 x 48 x 161	0,75
7010ZDP	230/50/1	SP	10,4	8,6	7,0	4,2	1,8	-	-750	82 x 61 x 158	1,45
7010ZVR	12,24	PM	6,0	5,1	4,4	2,9	1,6	0,4	-900	82 x 48 x 161	0,75
7010ZVR	230/50/1	SP	5,3	4,5	3,7	2,4	1,3	0,3	-900	82 x 61 x 158	1,45
7011	12,24	PM	12,4	9,5	7,5	4,5	1,5	-	-730	62 x 87 x 150	0,85
7011ZP	12,24	PM	24,0	20,0	15,5	3,0	2,5	-	-700	48 x 97 194	1,4
7011ZR	12,24	PM	7,0	6,2	5,6	3,5	2,0	0,8	-990	48 x 97 x 192	1,4
7015ZR	12,24	PM	12,0	10,5	9,5	7,0	4,5	2,0	-920	125 x 76 x 164	2,3
7015ZR	230/50/1	PSC	12,0	10,5	9,5	6,5	4,0	1,5	-900	137 x 79 x 182	2,4
7015	12,24	PM	14,0	11,0	8,5	4,9	1,8	-	-800	125 x 80 x 130	1,1
7015ZP	12,24	PM	27,0	21,0	17,0	11,0	5,0	-	-800	125 x 76 x 164	2,3
7015ZP	230/50/1	PSC	22,0	16,8	13,2	7,8	2,9	-	-800	137 x 79 x 182	2,4
8010	230/50/1	PSC	23,0	14,0	11,5	7,0	3,0	-	-780	122 x 129 x200	2,5
8010ZP	230/50/1	PSC	38,0	29,0	23,0	14,0	6,0	-	-780	122 x 124 x 255	3,4
8010ZR	230/50/1	PSC	26,0	22,0	19,0	13,0	7,7	2,7	-920	122 x 124 x 255	3,4
8011	230/50/1	PSC	34,0	29,0	22,0	14,0	8,0	3,0	-950	143 x 129 x 193	3,5
8011ZP	230/50/1	PSC	65,0	58,0	48,0	32,0	17,0	5,8	-930	143 x 129 x 261	5,0
8011ZR	230/50/1	PSC	34,0	26,0	22,8	16,0	10,0	4,5	-990	143 x 129 x 261	5,0
8015	230/50/1	PSC	28,0	20,5	16,0	10,0	5,3	1,0	-830	122 x 129 x 200	2,5
8015ZP	230/50/1	PSC	50,0	42,0	34,0	22,0	11,5	1,8	-830	122 x 124 x 255	3,9
8015ZR	230/50/1	PSC	29,0	24,5	21,0	14,5	8,6	3,2	-960	122 x 124 x 255	3,9

*PM = Permanent Magnet, SP = Shaded Pole,

*PSC=Permanent Split Capacitor, Consult factory for 60 hertz models – minimum quantities apply.

Note: Minimum release quantities or regional availability may apply. Consult factory.

2002



3013



1420 BLDC



7011 DC



8011 Z





Diaphragm Pumps & Compressors

107 AC



107 DC



2107



2907



Pressure Performance

MODEL	MOTOR CAPACITY		FLOW l/min @ bar								MAXIMUM PRESSURE bar	
	VOLTAGE	TYPE*	0,0	0,5	1,0	1,5	2,0	3,0	5,0	7,0	CONTINUOUS	INTERMITTENT
007BDC19	12	PM	-	-	-	-	-	-	-	-	-	-
007CDC19	12	PM	18,4	15,9	11,9	8,3	5,0	-	-	-	1,0	1,7
107AB18XFTLBXX	100/50/1, 115/60/1	SP	19,5	15,8	11,6	8,0	4,5	-	-	-	1,4	1,7
107CDU18XFTLBXX	220-230/50/1, 230/60/1	SP	18,4	13,0	8,3	5,2	3,1	-	-	-	1,4	1,7
107ZC18/24	24	BLDC	27,2	20,0	14,8	10,3	6,7	-	-	-	2,4	2,4
1071220IFTLBXX	12	PM	39,6	35,1	27,1	20,2	14,5	6,2	-	-	2,4	2,4
118ZC20/24	24	BLDC	24,1	20,8	17,0	14,2	10,5	-	-	-	1,4	2,1
118ZC20/24UV	24	BLDC	25,8	21,2	18,4	15,1	11,0	-	-	-	1,4	2,1
907BDC22	12	PM	-	-	-	-	-	-	-	-	-	-
907CDC18	12	PM	58,0	42,5	27,3	18,4	10,9	-	-	-	2,1	2,1
907ZC18/24	24	BLDC	62,9	43,8	29,5	15,3	-	-	-	-	1,7	1,7
910CDC22/12	12	PM	55,8	45,5	37,0	29,7	23,7	10,4	-	-	1,7	2,8
927CA18	115/60/1	SP	35,1	29,5	23,4	17,1	12,9	4,6	-	-	2,1	2,8
927CD18	220/50/1	SP	32,6	26,7	20,8	15,8	11,0	4,2	-	-	2,1	2,8
2107A18XSTLNXX	115/60/1	SP	42,5	-	-	-	-	-	-	-	0,3	0,3
2107DU18XSTLNXX	220-230/50/1	SP	35,3	-	-	-	-	-	-	-	0,3	0,3
2107VA20	115/60/1	SP	-	-	-	-	-	-	-	-	-	-
2107VD20	220/50/1	SP	-	-	-	-	-	-	-	-	-	-
2119VCDU18	220/50/1, 230/50/60/1	SP	-	-	-	-	-	-	-	-	-	-
2119VA20	115/60/1	PSC	-	-	-	-	-	-	-	-	-	-
2907CDC22/12	12	PM	90,6	77,2	63,5	-	-	-	-	-	1,0	1,0

*PM = Permanent Magnet, SP = Shaded Pole, BLDC=Brushless DC, PSC = Permanent Split Capacitor

Note: Minimum release quantities or regional availability may apply. Consult factory.



Thomas diaphragm pumps and compressors are used in OEM applications around the world and help to improve lives every day.



Diaphragm Pumps & Compressors

Vacuum Performance										Specifications		
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar							MAX. VACUUM mbar	DIMENSIONS (H x W x L) mm	WEIGHT kg
	VOLTAGE	TYPE*	0	-100	-200	-400	-600	-800	-900			
007BDC19	12	PM	32,5	25,8	20,2	13,4	6,7	-	-	-780	128 x 60 x 155	1,3
007CDC19	12	PM	18,4	15,6	12,9	7,4	-	-	-	-780	130 x 85 x 157	1,3
107AB18XFTLBXX	100/50/1, 115/60/1	SP	19,5	17,0	14,4	8,6	3,4	-	-	-750	119 x 108 x 161	2,3
107CDU18XFTLBXX	220-230/50/1, 230/60/1	SP	18,4	15,6	12,8	7,6	3,0	-	-	-750	119 x 108 x 161	2,3
107ZC18/24	24	BLDC	27,2	22,7	18,4	11,3	5,6	-	-	-800	119 x 108 x 154	0,9
1071220IFTLBXX	12	PM	39,5	34,4	29,3	19,3	8,6	-	-	-750	119 x 108 x 182	2,0
118ZC20/24	24	BLDC	24,1	20,3	18,4	11,2	4,2	-	-	-745	124 x 108 x 155	0,8
118ZC20/24UV	24	BLDC	26,6	24,1	20,1	12,7	6,8	-	-	-810	124 x 89 x 155	2,0
907BDC22	12	PM	60,0	43,3	35,6	21,6	10,9	-	-	-850	149 x 102 x 199	2,9
907CDC18	12	PM	58,0	44,6	33,1	19,7	8,3	-	-	-750	149 x 102 x 199	2,9
907ZC18/24	24	BLDC	62,9	48,5	36,8	18,0	-	-	-	-720	150 x 121 x 151	2,5
910CDC22/12	12	PM	55,8	48,4	40,9	25,6	12,7	-	-	-820	149 x 102 x 199	3,7
927CA18	115/60/1	SP	35,1	29,3	23,9	15,2	7,1	-	-	-810	172 x 121 x 198	4,9
927CD18	220/50/1	SP	32,6	25,5	19,6	13,0	6,0	-	-	-810	172 x 121 x 198	4,9
2107A18XSTLNXX	115/60/1	SP	42,5	35,5	31,0	25,0	15,3	-	-	-750	120 x 108 x 190	2,7
2107DU18XSTLNXX	220-230/50/1	SP	35,2	31,2	25,5	15,5	6,8	-	-	-750	120 x 108 x 190	2,7
2107VA20	115/60/1	SP	24,1	20,7	17,6	12,2	7,3	3,0	-	-960	120 x 108 x 206	2,8
2107VD20	220/50/1	SP	20,4	17,7	15,1	10,6	6,4	2,4	-	-960	120 x 108 x 206	2,8
2119VCDU18	220/50/1, 230/50/60/1	SP	16,6	15,0	13,5	10,0	6,3	-	-	-930	123 x 107 x 220	3,3
2119VE20	115/60/1	PSC	27,5	21,2	14,9	12,7	7,8	4,5	-	-930	123 x 107 x 220	3,3
2907CDC22/12	12	PM	90,6	70,5	53,7	35,1	17,9	-	-	-810	149 x 120 x 317	5,0

*PM = Permanent Magnet, SP = Shaded Pole, BLDC=Brushless DC, PSC = Permanent Split Capacitor

Note: Minimum release quantities or regional availability may apply. Consult factory.

007BDC



907



910



As a leading manufacturer of OEM pumps and compressors, we provide innovative solutions for various environmental, laboratory and medical applications.



G 04 EB



G 045



G 09 LC



ROTARY VANE



Rotary Vane Pumps & Compressors

Pressure Performance

MODEL	MODEL CAPACITY		FLOW l/min @ mbar								MAXIMUM PRESSURE mbar	
	VOLTAGE	TYPE*	0,0	50	100	200	400	600	800	1000	CONTINUOUS	INTERMITTENT
G 01-K-LC(L)	6	PM	2,2	0,8	-	-	-	-	-	-	25	80
G 01-K-EB	6,12	PM	1,4	-	-	-	-	-	-	-	10	40
G 01 EB	3,6,12,24	PM	1,6	1,2	0,7	-	-	-	-	-	100	180
G 01-4 EB	6,12,24	PM	1,4	1,2	0,9	0,4	-	-	-	-	100	280
G 02 EB	3,6,12,24	PM	3,6	2,6	1,6	-	-	-	-	-	100	190
G 02-4 EB	6,12,24	PM	3,7	3,2	2,5	1,3	-	-	-	-	100	310
G 02-8	6,12	PM	2,7	2,5	2,2	1,6	0,5	-	-	-	200	500
G 04 EB	3,6,12,24	PM	6,8	4,5	2,4	-	-	-	-	-	40	150
G 04-4 EB	6,12	PM	5,1	4,0	3,0	0,9	-	-	-	-	50	240
G 04-8	12	PM	4,4	3,6	2,6	1,0	-	-	-	-	100	260
G 045-LC	12	PM	7,5	7,2	6,8	6,4	4,2	2,6	1,0	-	100	900
G 045	12,24	PM	6,1	5,8	5,5	4,5	2,9	1,3	-	-	150	750
G 07	12,24	PM	21,0	21,0	20,0	19,0	15,0	13,0	9,0	6,0	200	1400
G 07-N	12	PM	23,0	21,0	21,0	19,0	15,0	11,0	7,0	3,0	-	1100
G 08	12,24	PM	15,5	15,0	15,0	14,0	11,0	9,0	6,0	5,0	300	1400
G 08-T Series	12,24	PM	19,0	19,0	18,0	17,0	13,0	11,0	7,0	6,0	-	1400
G 08-T Parallel	12,24	PM	36,0	36,0	34,0	33,0	25,0	21,0	12,0	10,0	-	1400
BL-G 085 M	12	BLDC	8,5	7,5	6,5	4,7	1,0	-	-	-	150	450
G 09-6 LC	12	PM	9,0	7,8	6,4	3,9	-	-	-	-	150	350

*PM = Permanent Magnet, BLDC = Brushless DC

Note: Minimum release quantities or regional availability may apply. Consult factory.

QR-0030
QR-0050



SR-0015-VP



ROTARY VANE



Rotary Vane Pumps & Compressors

Pressure Performance

MODEL	MOTOR CAPACITY		FLOW l/min @ mbar			MAXIMUM PRESSURE mbar	
	VOLTAGE	TYPE*	0	500	1000	CONTINUOUS	INTERMITTENT
QR-0030	100-115/200	SPh	90,6	70,0	49,5	700	1000
	240/60/50/1		76,4	58,7	40,7		
QR-0050	100-115/200	SPh	130,2	109,7	86,6	700	1000
	240/60/50/1		113,2	92,7	69,6		
QR-0080	100-115/200	CS	226,5	201,1	177,2	700	1000
	240/60/50/1		189,7	168,5	148,5		
QR-0080	200-240/460/60/3	POLY	226,5	201,1	177,2	700	1000
	200-220/380-415/50/3						
QR-0100	200-240/460/60/3	POLY	283,1	258,5	233,8	700	1000
	200-220/380-415/50/3						
QR-0100	100-115/200	CS	283,1	258,5	233,8	700	1000
	240/60/50/1		235,0	214,4	193,9		
SR-0015-VP	115/60/50/1	PSC	42,5	30,8	20,5	700	700
SR-0015-VP	220/240/50/60/1	PSC	33,9	24,3	16,1	700	700
SR-0015-VP	115/60/50/1	SPh	42,5	30,8	20,5	700	700

*CS = Capacitor Start, SPh = Split Phase, PSC = Permanent Split Capacitor, POLY = 3 Phase

Note: Minimum release quantities or regional availability may apply. Consult factory.

ROTARY VANE



Rotary Vane Pumps & Compressors

Vacuum Performance									Specifications		
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar						MAX. VACUUM mbar	DIMENSIONS (H x W x L) mm	WEIGHT kg
	VOLTAGE	TYPE*	0	-100	-200	-400	-600	-800	CONT./INTERM.		
G 01-K-LC(L)	6	PM	2,2	-	-	-	-	-	-25 / -70	20,5 x 20 x 46	0,03
G 01-K-EB	6,12	PM	1,4	-	-	-	-	-	-10 / -40	20,5 x 20 x 53	0,04
G 01 EB	3,6,12,24	PM	1,6	0,8	-	-	-	-	-100 / -200	29 x 26 x 55	0,10
G 01-4 EB	6,12,24	PM	1,4	0,9	0,4	-	-	-	-100 / -290	29 x 26 x 55	0,10
G 02 EB	3,6,12,24	PM	3,6	1,6	-	-	-	-	-100 / -190	29 x 26 x 55	0,10
G 02-4 EB	6,12,24	PM	3,7	2,5	1,3	-	-	-	-100 / -310	29 x 26 x 55	0,10
G 02-8	6,12	PM	2,7	2,1	1,5	0,3	-	-	-200 / -450	29 x 26 x 72	0,13
G 04 EB	3,6,12,24	PM	6,8	2,5		-	-	-	-40 / -160	29 x 26 x 62	0,10
G 04-4 EB	6,12	PM	5,1	3,0	1,0	-	-	-	-50 / -260	29 x 26 x 62	0,10
G 04-8	12	PM	4,4	2,5	0,9	-	-	-	100 / -250	29 x 26 x 78	0,14
G 045	12	PM	7,5	6,5	5,2	2,8	0,5	-	-100 / -630	42 x 42 x 90	0,25
G 045	12,24	PM	6,1	5,3	4,4	2,6	0,8	-	-150 / -700	42 x 42 x 86	0,25
G 07	12,24	PM	21,0	18,0	16,0	10,0	5,0	-	-200 / -770	48 x 48 x 150	0,70
G 07-N	12	PM	23,0	20,0	17,5	11,5	6,0	-	- / -800	51 x 51 x 104	0,40
G 08	12,24	PM	15,5	13,0	12,0	8,0	5,0	1,0	-300 / -830	59 x 59 x 135	0,75
G 08-T Series	12,24	PM	19,0	17,0	15,0	11,0	7,0	3,0	- / -930	59 x 59 x 210	1,30
G 08-T Parallel	12,24	PM	36,0	32,0	27,0	19,0	10,0	2,0	- / -840	59 x 59 x 210	1,30
BL-G 085 M	12	BLDC	8,5	6,7	5,0	1,7	-	-	-150 / -500	50 x 50 x 44	0,15
G 09-6 LC	12	PM	9,0	6,5	3,8	-	-	-	-150 / -350	40 x 40 x 60	0,30

*PM = Permanent Magnet, BLDC = Brushless DC

Note: Minimum release quantities or regional availability may apply. Consult factory.

G-01-K-LC(L)



G 02 EB



G 07 N



ROTARY VANE



Rotary Vane Pumps & Compressors

Vacuum Performance									Specifications		
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar						MAX. VACUUM mbar	DIMENSIONS (H x W x L) mm	WEIGHT kg
	VOLTAGE	TYPE*	0	-100	-200	-400	-600	-800			
QR-0030	100-115/200	SPh	90,60	78,90	67,70	47,60	26,00	-	-840	147 x 142 x 344	15,0
	240/60/50/1		76,40	68,00	59,20	40,10	21,90	-			
QR-0050	100-115/200	SPh	130,2	116,8	102,9	72,8	44,3	17,5	-870	147 x 142 x 344	15,0
	240/60/50/1		113,3	101,5	89,3	62,5	35,8	9,0			
QR-0080	100-115/200	CS	226,5	199,7	173,00	121,5	74,7	23,7	-870	171 x 165 x 417	24,5
	240/60/50/1		189,7	166,3	143,40	100,9	57,7	12,9			
QR-0080	200-240/460/60/3 200-220/380-415/50/3	POLY	226,5	199,7	173,00	121,5	74,7	23,7	-840	171 x 165 x 417	25,4
QR-0100	200-240/460/60/3 200-220/380-415/50/3	POLY	283,1	251,3	219,6	157,0	95,3	35,9	-840	171 x 165 x 417	25,4
QR-0100	100-115/200	CS	283,1	251,3	219,6	157,0	95,3	35,9	-870	171 x 165 x 417	24,5
	240/60/50/1		235,1	206,5	178,6	125,1	73,1	21,9			
SR-0015-VP	115/60/50/1	PSC	42,5	35,8	29,6	19,6	9,5	-	-810	105 x 106 x 208	3,6
SR-0015-VP	220/240/50/60/1	PSC	33,9	29,1	24,4	15,8	7,9	-	-810	105 x 106 x 208	3,6
SR-0015-VP	115/60/50/1	SPh	42,5	35,8	29,6	19,6	9,5	-	-810	105 x 106 x 208	3,9

*CS = Capacitor Start, SPh = Split Phase, PSC = Permment Split Capacitor, POLY = 3 Phase

Note: Minimum release quantities or regional availability may apply. Consult factory.

QR-0080
QR-0100



ROTARY VANE



Rotary Vane Pumps & Compressors

Pressure Performance

MODEL	MOTOR CAPACITY		FLOW l/min @ mbar							MAXIMUM PRESSURE bar	
	VOLTAGE	TYPE*	0	100	200	400	600	800	1000	CONTINUOUS	INTERMITTENT
TF 2	24	PM	42	39	37	33	29	25	21	-	1,0
TF 4	12,24	PM	66	62	59	52	46	39	33	-	1,0
TF 8	24	PM	131	131	126	117	108	99	90	-	1,0
VTE 3	230/50/1	PSC	-	-	-	-	-	-	-	-	-
VTE 3	115/60/1	PSC	-	-	-	-	-	-	-	-	-
VTE 3	multi	POLY	-	-	-	-	-	-	-	-	-
VTE 3	24	PM	-	-	-	-	-	-	-	-	-
DTE 3	230/50/1	PSC	58	57	55	52	47	43	38	1,0	1,0
DTE 3	115/60/1	PSC	70	69	68	63	60	55	-	0,8	0,8
DTE 3	multi	POLY	58	57	55	52	47	43	38	1,0	1,0
DTE 3	24	PM	58	57	55	52	47	43	38	1,0	1,0
VTE 6	230/50/1	PSC	-	-	-	-	-	-	-	-	-
VTE 6	115/60/1	PSC	-	-	-	-	-	-	-	-	-
VTE 6	multi	POLY	-	-	-	-	-	-	-	-	-
VTE 6	24	PM	-	-	-	-	-	-	-	-	-
DTE 6	230/50/1	PSC	100	98	97	90	85	75	67	1,0	1,0
DTE 6	115/60/1	PSC	120	117	115	108	102	95	83	1,0	1,0
DTE 6	multi	POLY	100	98	97	90	85	75	67	1,0	1,0
DTE 6	24	PM	100	98	97	90	85	75	67	1,0	1,0
VTE 8	230/50/1	PSC	-	-	-	-	-	-	-	-	-
VTE 8	115/60/1	PSC	-	-	-	-	-	-	-	-	-
VTE 8	multi	POLY	-	-	-	-	-	-	-	-	-
VTE 8	24	PM	-	-	-	-	-	-	-	-	-
DTE 8	230/50/1	PSC	133	132	128	118	113	-	-	0,6	0,6
DTE 8	115/60/1	PSC	160	128	153	145	133	102	98	0,6	0,6
DTE 8	multi	POLY	133	132	128	118	113	102	98	1,0	1,0
DTE 8	24	PM	133	132	128	118	113	102	98	1,0	1,0
VTE 10	230/50/1	PSC	-	-	-	-	-	-	-	-	-
VTE 10	115/60/1	PSC	-	-	-	-	-	-	-	-	-
VTE 10	multi	POLY	-	-	-	-	-	-	-	-	-
VTE 10	24	PM	-	-	-	-	-	-	-	-	-
DTE 10	230/50/1	PSC	167	164	158	146	134	122	-	0,8	0,8
DTE 10	115/60/1	PSC	200	194	187	174	161	148	-	0,8	0,8
DTE 10	multi	POLY	167	164	158	146	134	122	110	1,0	1,0
DTE 10	24	PM	167	164	158	146	134	122	110	1,0	1,0

*PM = Permanent Magnet, PSC = Permanent Split Capacitor, POLY = 3 Phase

Note: Minimum release quantities or regional availability may apply. Consult factory.

DTE 3



DTE 6



VTE 10



ROTARY VANE



Rotary Vane Pumps & Compressors

Vacuum Performance									Specifications		
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar						MAX. VACUUM mbar CONT./INTERM.	DIMENSIONS (H x W x L) mm	WEIGHT kg
	VOLTAGE	TYPE*	0	-100	-200	-400	-600	-800			
TF 2	24	PM	42	37	32	21	11	-	-	93 x 88 x 215	3,5
TF 4	12,24	PM	66	53	40	33	17	-	-	93 x 88 x 215	3,5
TF 8	24	PSC	136	119	102	68	34	-	-	143 x 138 x 260	7,5
VTE 3	230/50/1	PSC	58	51	44	31	17	3	-850 / -850	150 x 152 x 205	6,5
VTE 3	115/60/1	PSC	70	62	53	37	20	4	-850 / -850	150 x 152 x 205	6,5
VTE 3	multi	POLY	58	51	44	31	17	3	-850 / -850	150 x 152 x 205	6,5
VTE 3	24	PM	58	51	44	31	17	3	-850 / -850	150 x 152 x 210	7,9
DTE 3	230/50/1	PSC	-	-	-	-	-	-	-	150 x 152 x 205	6,5
DTE 3	115/60/1	PSC	-	-	-	-	-	-	-	150 x 152 x 205	6,5
DTE 3	multi	POLY	-	-	-	-	-	-	-	150 x 152 x 205	6,5
DTE 3	24	PM	-	-	-	-	-	-	-	150 x 152 x 210	7,9
VTE 6	230/50/1	PSC	100	89	77	52	30	7	-850 / -850	156 x 152 x 220	7,5
VTE 6	115/60/1	PSC	120	106	92	64	36	9	-850 / -850	156 x 152 x 220	7,5
VTE 6	multi	POLY	100	89	77	52	30	7	-850 / -850	156 x 152 x 220	7,5
VTE 6	24	PM	100	89	77	52	30	7	-850 / -850	156 x 152 x 225	8,5
DTE 6	230/50/1	PSC	-	-	-	-	-	-	-	156 x 152 x 220	7,5
DTE 6	115/60/1	PSC	-	-	-	-	-	-	-	156 x 152 x 220	7,5
DTE 6	multi	POLY	-	-	-	-	-	-	-	156 x 152 x 220	7,5
DTE 6	24	PM	-	-	-	-	-	-	-	156 x 156 x 225	8,5
VTE 8	230/50/1	PSC	133	117	99	68	77	10	-850 / -850	156 x 156 x 249	8,0
VTE 8	115/60/1	PSC	160	140	120	81	45	13	-850 / -850	156 x 156 x 249	8,0
VTE 8	multi	POLY	133	117	99	68	37	10	-850 / -850	156 x 156 x 249	8,0
VTE 8	24	PM	133	117	99	68	37	10	-850 / -850	156 x 156 x 245	9,2
DTE 8	230/50/1	PSC	-	-	-	-	-	-	-	156 x 156 x 249	8,0
DTE 8	115/60/1	PSC	-	-	-	-	-	-	-	156 x 156 x 249	8,0
DTE 8	multi	POLY	-	-	-	-	-	-	-	156 x 156 x 249	8,0
DTE 8	24	PM	-	-	-	-	-	-	-	156 x 156 x 245	9,2
VTE 10	230/50/1	PSC	167	150	130	90	50	10	-850 / -850	156 x 156 x 265	10,3
VTE 10	115/60/1	PSC	200	175	155	105	60	15	-850 / -850	156 x 156 x 265	10,3
VTE 10	multi	POLY	167	150	130	90	50	10	-850 / -850	156 x 156 x 265	10,1
VTE 10	24	PM	167	150	130	90	50	10	-850 / -850	156 x 156 x 270	11,8
DTE 10	230/50/1	PSC	-	-	-	-	-	-	-	156 x 156 x 265	10,3
DTE 10	115/60/1	PSC	-	-	-	-	-	-	-	156 x 156 x 265	10,3
DTE 10	multi	POLY	-	-	-	-	-	-	-	156 x 156 x 265	10,1
DTE 10	24	PM	-	-	-	-	-	-	-	156 x 156 x 270	11,8

*PM = Permanent Magnet, PSC = Permanent Split Capacitor, POLY = 3 Phase

Note: Minimum release quantities or regional availability may apply. Consult factory.

TF 2



TF 4



VTE 3





Linear Diaphragm Pumps & Compressors

LMG 4



YP-20DU



Pressure Performance

MODEL	MOTOR CAPACITY		FLOW l/min @ mbar				MAXIMUM PRESSURE mbar	
	VOLTAGE	TYPE*	0	100	200	400	CONTINUOUS	INTERMITTENT
LMG 4	230/50/1	LM	1,3	1,1	0,95	0,5	450	450
LMG 4	115/60/1	LM	1,5	1,2	1,0	0,35	450	450
LMG 4	12,24	LM	1,3	1,1	0,95	0,5	450	450
LM 15	230/50/1	LM	16,0	12,5	8,4	-	300	400
LM 15	115/60/1	LM	16,0	12,5	8,7	0,8	300	420
LM 15	12,24	LM	15,0	12,0	6,6	-	200	320
LM 22	230/50/1	LM	22,0	16,0	8,0	-	250	300
LM 22	115/60/1	LM	19,0	16,0	9,8	-	250	350
LM 22	12,24	LM	20,0	15,0	5,6	-	200	260
YP-6DU	230/50/1	LM	13,0	6,0	-	-	150	150
YP-15DU	230/50/1	LM	25,0	15,0	5,0	-	200	200
YP-20DU	230/50/1	LM	31,0	20,0	9,0	-	200	200
YP-30DU	230/50/1	LM	59,0	37,0	15,0	-	200	200
YP-40DU	230/50/1	LM	78,0	49,0	20,0	-	200	200
YP-50DU	230/50/1	LM	84,0	56,0	29,0	-	220	220

*LM = Linear Magnetic

Note: Minimum release quantities or regional availability may apply. Consult factory.



Linear Diaphragm Pumps & Compressors

Pressure Performance

MODEL	MOTOR CAPACITY		FLOW l/min @ mbar					MAXIMUM PRESSURE mbar	
	VOLTAGE	TYPE*	0	100	200	300	400	CONTINUOUS	INTERMITTENT
6015SE	100-115/60/1	LM	31,1	10,5	-	-	-	140	160
6025SE	110-115/60/1	LM	56,6	40,5	23,0	7,0	-	280	320
6025SE	230/50/60/1	LM	56,6	40,5	23,0	7,0	-	280	320
6025SE	12	LM	42,5	28,0	12,5	2,1	-	280	310
6025SE	24	LM	42,5	28,0	12,5	2,1	-	280	310

*LM = Linear Magnetic

Note: Minimum release quantities or regional availability may apply. Consult factory.



Linear Diaphragm Pumps & Compressors (Vibrating Armature Type)

Pressure Performance

MODEL	MOTOR CAPACITY		FLOW l/min @ mbar				MAXIMUM PRESSURE mbar	
	VOLTAGE	TYPE*	0	100	200	400	CONTINUOUS	INTERMITTENT
106	230/50	VA	0,9	0,6	0,2	-	200	270
112,0	230/50	VA	2,8	2,0	1,2	-	280	280
112,1	230/50	VA	5,0	2,6	2,0	-	340	340
202,0	230/50	VA	4,6	3,3	1,7	-	340	340
202,1	230/50	VA	4,8	3,8	2,1	0,3	450	450
302,0	230/50	VA	5,5	4,3	3,0	1,0	500	500
302,1	230/50	VA	8,5	6,5	5,2	3,0	700	700
312	230/50	VA	6,2	3,8	1,7	-	270	270
362	230/50	VA	8,5	4,6	-	-	200	200

*VA = Vibrating armature

Note: Minimum release quantities or regional availability may apply. Consult factory.

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Linear Diaphragm Pumps & Compressors

Vacuum Performance						Specifications		
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar			MAX. VACUUM mbar	DIMENSIONS (H x W x L) mm	WEIGHT kg
	VOLTAGE	TYPE*	0	-100	-200	CONT./INTERM.		
LMG 4	230/50/1	LM	1,3	0,9	0,4	-200 / -200	46 x 53 x 72	0,2
LMG 4	115/60/1	LM	1,5	0,9	0,4	-200 / -200	46 x 53 x 72	0,2
LMG 4	12,24	LM	1,3	0,9	0,4	-200 / -200	46 x 53 x 72	0,2
LM 15	230/50/1	LM	16,0	12,5	7,5	-300 / -350	65 x 111 x 107	1,0
LM 15	115/60/1	LM	16,0	12,5	8,4	-300 / -400	65 x 111 x 107	1,0
LM 15	12,24	LM	15,0	16,0	5,3	-200 / -280	76 x 111 x 107	1,0
LM 22	230/50/1	LM	22,0	16,0	6,0	-250 / -260	65 x 111 x 107	1,0
LM 22	115/60/1	LM	19,0	16,0	8,8	-250 / -320	65 x 111 x 107	0,95
LM 22	12,24	LM	20,0	15,0	5,6	-200 / -260	76 x 111 x 107	1,0
YP-6DU	230/50/1	LM	-	-	-	-	77 x 116 x 110	1,1
YP-15DU	230/50/1	LM	-	-	-	-	77 x 116 x 110	1,2
YP-20DU	230/50/1	LM	-	-	-	-	77 x 116 x 110	1,2
YP-30DU	230/50/1	LM	-	-	-	-	85 x 127 x 117	2,3
YP-40DU	230/50/1	LM	-	-	-	-	85 x 127 x 117	2,5
YP-50DU	230/50/1	LM	-	-	-	-	85 x 127 x 117	2,8

*LM = Linear Magnetic

Note: Minimum release quantities or regional availability may apply. Consult factory.

LM 15



YP-30DU



Linear Diaphragm Pumps & Compressors

Vacuum Performance								Specifications		
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar					MAX. VACUUM	DIMENSIONS (H x W x L) mm	WEIGHT kg
	VOLTAGE	TYPE*	0	-100	-200	-300	-400			
6015SE	100-115/60/1	LM	31,1	18,0	3,0	1,0	-	-140	85 x 117 x 127	1,2
6025SE	100-115/60/1	LM	56,6	48,8	40,5	31,8	23,0	-270	85 x 117 x 127	1,5
6025SE	230/50/60/1	LM	56,6	48,8	40,5	31,8	23,0	-270	85 x 117 x 127	1,5
6025SE	12	LM	42,5	34,0	26,0	19,0	12,5	-270	85 x 117 x 127	1,5
6025SE	24	LM	42,5	34,0	26,0	19,0	12,5	-270	85 x 117 x 127	1,5

*LM = Linear Magnetic

Note: Minimum release quantities or regional availability may apply. Consult factory.

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Linear Diaphragm Pumps & Compressors (Vibrating Armature Type)

Vacuum Performance						Specifications			
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar				MAX. VACUUM mbar	DIMENSIONS (H x W x L) mm	WEIGHT kg
	VOLTAGE	TYPE*	0	-100	-200	-400			
107	230/50	VA	1,2	0,6	-	-	-190	60 x 60 x 90	0,3
113,0	230/50	VA	4,2	2,0	1,2	-	-280	81 x 78 x 113	0,8
113,1	230/50	VA	3,2	2,5	1,6	0,4	-450	81 x 78 x 113	0,8
203,0	230/50	VA	4,6	2,5	1,2	-	-300	91 x 70 x 140	1,6
203,1	230/50	VA	5,5	4,0	2,3	0,6	-450	91 x 70 x 140	1,6
303,0	230/50	VA	5,5	3,5	2,2	0,5	-420	97 x 78 x 165	2,2
303,1	230/50	VA	6,8	5,0	3,6	2,0	-550	97 x 78 x 165	2,2
313	230/50	VA	6,2	3,3	0,7	-	-250	84 x 65 x 162	0,9
363	230/50	VA	8,5	4,4	-	-	-230	84 x 65 x 162	0,9

*VA = Vibrating armature

Note: Minimum release quantities or regional availability may apply. Consult factory.

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Linear Diaphragm Pumps & Compressors

YP-6A



LP-60HN



AP



Pressure Performance

MODEL	MOTOR CAPACITY		FLOW l/min @ mbar				MAXIMUM PRESSURE mbar	
	VOLTAGE	TYPE*	0 1)	100	200	400	CONTINUOUS	INTERMITTENT
YP-6A	230/50/1	LM	-	6,0	-	-	150	150
YP-15A	230/50/1	LM	-	15,0	0,5	-	200	200
YP-20A	230/50/1	LM	-	20,0	9,0	-	200	200
YP-6V	230/50/1	LM	-	6,0	-	-	150	150
YP-15V	230/50/1	LM	-	15,0	5,0	-	200	200
YP-20V	230/50/1	LM	-	20,0	5,0	-	200	200
YP-30VC	230/50/1	LM	-	35,0	25,0	-	200	200
YP-40VC	230/50/1	LM	-	48,0	30,0	-	200	200
YP-50VC	230/50/1	LM	-	61,0	38,0	-	200	200
YP-60VC	230/50/1	LM	-	70,0	52,0	-	200	200
YP-70VC	230/50/1	LM	-	93,0	73,0	-	200	200
AP-30	230/50/1	LM	-	41,0	14,0	-	230	240
AP-40	230/50/1	LM	-	51,0	21,0	-	230	260
AP-60	230/50/1	LM	-	80,0	42,0	-	300	310
AP-80	230/50/1	LM	-	101,0	70,0	-	300	405
LP-30A	230/50/1	LM	-	40,0	18,0	-	200	200
LP-40A	230/50/1	LM	-	49,0	26,0	-	200	200
LP-60HN	230/50/1	LM	-	80,0	60,0	-	200	200
LP-80HN	230/50/1	LM	-	112,0	76,0	-	250	250
LP-100H	230/50/1	LM	-	138,0	102,0	-	250	250
LP-120H	230/50/1	LM	-	148,0	120,0	-	250	250
LP-150HN	230/50/1	LM	-	200,0	150,0	-	300	300
LP-200HN	230/50/1	LM	-	250,0	200,0	-	300	300
LW-200	230/50/1	LM	-	270,0	200,0	-	300	300
LW-240	230/50/1	LM	-	315,0	245,0	-	300	300

*LM = Linear Magnetic.

1) Free flow operation not recommended

Note: Minimum release quantities or regional availability may apply. Consult factory.



Linear Diaphragm Pumps & Compressors

5040-A



Pressure Performance

MODEL	MOTOR CAPACITY		FLOW l/min @ mbar					MAXIMUM PRESSURE mbar	
	VOLTAGE	TYPE*	0	100	200	300	400	CONTINUOUS	INTERMITTENT
5040-A	115/60/1	LM	65,1	50,7	33,0	12,0	-	240	350
5060-A	115/60/1	LM	90,6	73,9	54,6	34,1	11,8	280	430
5078S	115/60/1	LM	101,9	94,5	79,1	52,0	19,0	240	430
5100S	115/60/1	LM	130,8	118,6	98,1	68,7	34,8	289	500
5120S	115/60/1	LM	160,6	146,5	124,0	95,1	61,4	310	570

*LM = Linear Magnetic

Note: Minimum release quantities or regional availability may apply. Consult factory.



Linear Diaphragm Pumps & Compressors

Vacuum Performance						Specifications		
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar			MAX. VACUUM mbar	DIMENSIONS (H x W x L)	WEIGHT
	VOLTAGE	TYPE*	0 1)	-100	-200	CONT./INTERM.	mm	kg
YP-6A	230/50/1	LM	-	-	-	-	111 X 128 X 148	2,1
YP-15A	230/50/1	LM	-	-	-	-	111 X 128 X 148	2,4
YP-20A	230/50/1	LM	-	-	-	-	111 X 128 X 148	2,4
YP-6V	230/50/1	LM	-	5,0	-	-150 / -150	111 X 128 X 148	2,1
YP-15V	230/50/1	LM	-	14,0	3,0	-200 / -200	112 X 128 X 148	2,4
YP-20V	230/50/1	LM	-	19,0	70,0	-200 / -200	113 X 128 X 148	2,4
YP-30VC	230/50/1	LM	-	31,0	20,0	-200 / -200	163 X 175 X 207	4,8
YP-40VC	230/50/1	LM	-	43,0	25,0	-200 / -200	163 X 175 X 207	5,1
YP-50VC	230/50/1	LM	-	58,0	30,0	-200 / -200	163 X 175 X 207	5,5
YP-60VC	230/50/1	LM	-	67,0	42,0	-200 / -200	163 X 175 X 207	5,9
YP-70VC	230/50/1	LM	-	60,0	-	-200 / -200	163 X 175 X 207	6,2
AP-30	230/50/1	LM	-	-	-	-	199 X 174 X 116	4,6
AP-40	230/50/1	LM	-	-	-	-	199 X 174 X 116	4,6
AP-60	230/50/1	LM	-	-	-	-	199 X 174 X 116	4,7
AP-80	230/50/1	LM	-	-	-	-	199 X 174 X 116	4,7
LP-30A	230/50/1	LM	-	-	-	-	200 X 174 X 227	5,0
LP-40A	230/50/1	LM	-	-	-	-	200 X 174 X 227	5,5
LP-60HN	230/50/1	LM	-	-	-	-	200 X 174 X 227	6,0
LP-80HN	230/50/1	LM	-	-	-	-	218 X 179 X 227	8,3
LP-100H	230/50/1	LM	-	-	-	-	218 X 179 X 227	8,3
LP-120H	230/50/1	LM	-	-	-	-	218 X 179 X 227	8,3
LP-150HN	230/50/1	LM	-	-	-	-	218 X 179 X 227	11,0
LP-200HN	230/50/1	LM	-	-	-	-	218 X 179 X 227	11,0
LW-200	230/50/1	LM	-	-	-	-	216 X 220 X 365	14,1
LW-240	230/50/1	LM	-	-	-	-	216 X 220 X 365	14,1

*LM = Linear Magnetic

1) Free flow operation not recommended

Note: Minimum release quantities or regional availability may apply. Consult factory.

YP-6V



YP-30VC



LP-200HN



Linear Diaphragm Pumps & Compressors

Vacuum Performance								Specifications		
MODEL	MOTOR CAPACITY		FLOW l/min @ mbar					MAX. VACUUM mbar	DIMENSIONS (H x W x L) mm	WEIGHT kg
	VOLTAGE	TYPE*	0	-50	-100	-150	-200			
5040-A	115/60/1	LM	-	-	-	-	-	-	198 x 173 x 205	5,4
5060-A	115/60/1	LM	-	-	-	-	-	-	198 x 173 x 205	6,1
5078S	115/60/1	LM	-	-	-	-	-	-	248 x 179 x 227	8,4
5100S	115/60/1	LM	-	-	-	-	-	-	248 x 179 x 227	8,4
5120S	115/60/1	LM	-	-	-	-	-	-	248 x 179 x 227	8,4

*LM = Linear Magnetic

Note: Minimum release quantities or regional availability may apply. Consult factory.

5060-A



1210 DC



5002F



SMF



SR10/30 DC



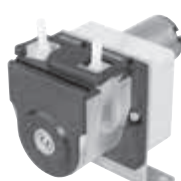
SR10/50 DC



SR18



SR25 DC



Liquid Diaphragm Pumps, Motor Driven

TYPICAL CHARACTERISTICS

safe dry running, self priming, different diaphragm materials possible, connection via nozzle or thread

MODEL	VOLTAGE	MOTOR TYPE	FREE FLOW ml/min	PRESSURE HEIGHT	SUCTION HEIGHT	OPERATION	DIMENSIONS (mm) H x W x L
1210	DC	PM	180	80 m H ₂ O	6,0 m H ₂ O	Continuous	37 x 23 x 52
5002F	DC	PM	400	15 m H ₂ O	6,0 m H ₂ O	Continuous	80 x 30 x 52
5002F Twin	DC	PM	1100	25 m H ₂ O	4,5 m H ₂ O	Continuous	82 x 30 x 86
F120 stepper	DC/AC*	ST	1-260	60 m H ₂ O	4,0 m H ₂ O	Continuous	102 x 59 x 87
F120	DC	PM	900	20 m H ₂ O	4,0 m H ₂ O	Continuous	126 x 61 x 101

*DC/AC = With separate electronics, PM = Permanent Magnet, ST = Stepper motor

Note: Minimum release quantities or regional availability may apply. Consult factory.



Liquid Diaphragm Pumps, Linear Drive

TYPICAL CHARACTERISTICS

self priming, individual impulse drive, long life; pulse control, dosing pumps available

MODEL	VOLTAGE	MOTOR TYPE	FREE FLOW ml/min	PRESSURE HEIGHT	SUCTION HEIGHT	OPERATION	DIMENSIONS (mm) H x W x L
LMF 3	AC or DC*	LM	250	7,5 m H ₂ O	2,0 m H ₂ O	Continuous	46 x 53 x 72

*DC = With separate electronics, LM = Linear drive

Note: Minimum release quantities or regional availability may apply. Consult factory.



Liquid Peristaltic Pumps, Direct Driven

TYPICAL CHARACTERISTICS

safe dry running, adjustable via speed, reversible (DC), interchangeable cassettes, wide range of tubing options

MODEL	VOLTAGE	MOTOR TYPE	FREE FLOW ml/min	PRESSURE HEIGHT	SUCTION HEIGHT	OPERATION	DIMENSIONS (mm) H x W x L
SR10/30	AC or DC	SP/PM	16-55	8 m H ₂ O	8 m H ₂ O	Intermittent	68 x 54 x 40
SR10/30	DC	SP/PM	20-80	8 m H ₂ O	8 m H ₂ O	Intermittent	81 x 56 x 40
SR10/30	DC/AC*	ST	0,5-20	8 m H ₂ O	8 m H ₂ O	Intermittent	38 x 53 x 40
SR10/50	AC or DC	SP/PM	52-220	8 m H ₂ O	8 m H ₂ O	Intermittent	85 x 60 x 57
SR10/100	AC or DC	PSC/PM	1300-3000	8 m H ₂ O	8 m H ₂ O	Intermittent	143 x 109 x 119

*DC/AC = With separate electronics, PM = Permanent Magnet, ST = Stepper motor, SP = Shaded Pole, PSC = Permanent split capacitor

Note: Minimum release quantities or regional availability may apply. Consult factory.



Liquid Peristaltic Pumps, Gear Drive

TYPICAL CHARACTERISTICS

insensitive against contamination, adjustable via speed, pumping of highly viscous liquids, sterilisable tubes, simple changing of tubing, wide range of tubing available

MODEL	VOLTAGE	MOTOR TYPE	FREE FLOW ml/min	PRESSURE HEIGHT	SUCTION HEIGHT	OPERATION	DIMENSIONS (mm) H x W x L
SR18	AC	SY	3-50	10 m H ₂ O	8 m H ₂ O	Continuous	61,5 x 68 x 90
SR25	AC	SY	0,2-14	10 m H ₂ O	8 m H ₂ O	Continuous	92 x 86 x 80
SR25	AC or DC	PM	2,0-746	10 m H ₂ O	8 m H ₂ O	Continuous	156 x 80 x 108
SR25-300S	DC/AC*	ST	0,1-430	10 m H ₂ O	8 m H ₂ O	Continuous	96 x 80 x 101

*DC/AC = With separate electronics, PM = Permanent Magnet, ST = Stepper motor, SY = Syncro

Note: Minimum release quantities or regional availability may apply. Consult factory.

Notes

Worldwide Manufacturing and Distribution

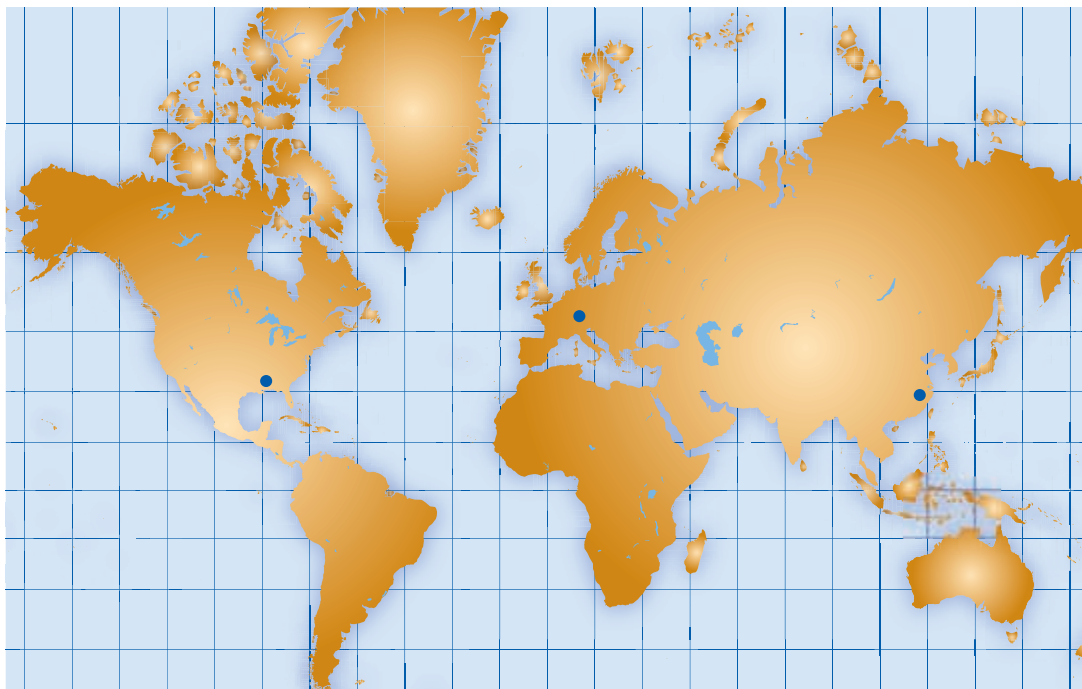
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Printed in Germany
Form No. 17001014 01/2013
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ClimatePartner[®]
klimaneutral
Druck | ID: 53097-1208-1001

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