



Atlantic Regenerative Blowers



Atlantic Regenerative Blowers are available in either single stage or double stage configurations. Single stage refers to the blower having one impeller and double stage refers to the blower having two impellers.

Atlantic Regenerative Blowers are made with the utmost quality. The impeller is directly connected to the motor shaft, therefore eliminating any need for pulleys and belts.

The following options are also available:

EX (Explosion Proof) Series - featuring explosion-proof construction, heavy duty cast aluminum manifolds; spark resistant housings, covers, impellers, muffler towers, and seals; Teflon lip seals; and explosion-proof motors. (IP44, 54, 55/Class 2/Group B/Div. 1)

BS (Bare Shaft) Series - featuring the same explosion-proof construction as the EX series with the added benefit of externally driven operation.

CC (Chemical Coated Regenerative) Series - featuring EX explosion-proof designs with chemically corrosion resistant treatments, chemical duty motors.

Advantages:

- Oil Free Air
- Low Noise Levels (64 – 88 db)
- Light Weight
- Virtually Maintenance Free Operation
- Compact and efficient in electricity usage
- Trouble Free Installation (Can be mounted horizontally and vertically)
- Industrial Duty Bearings
- Direct Drive

Operational Performance:

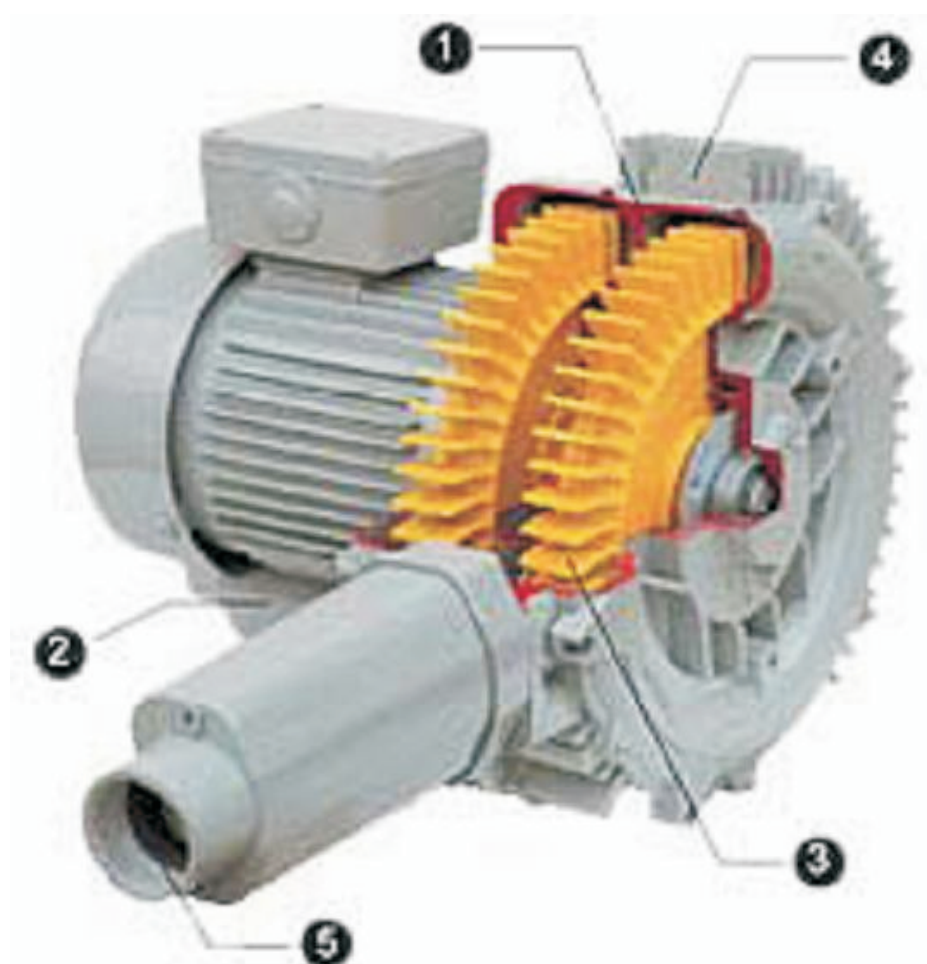
- Air Flow: 18 CFM up to 988 CFM
- Pressure: 22" H₂O up to 307" H₂O
- Vacuum: 21" H₂O up to 236" H₂O

Operational Principles:

The impeller rotates inside the blower housing pulling in air or gas through the impeller chamber (1) through the side channel (2) pulling it in through the inlet (3). The impeller accelerates the air or gas (4) until it is fully pressurized and discharged through the exhaust outlet (5).

Atlantic Blowers has designed and manufactured regenerative blowers for a wide variety of applications, including:

- Wastewater Treatment Aeration
- Tank Aeration (Fish Pond Aeration)
- Air Knife Drying and Blow Off
- Soil Vapor Extraction
- Vacuum Lifting
- Gasoline Vapor Recovery
- Pneumatic Transport of Powders and Solids
- Groundwater Sparging
- Vacuum Hold Down
- Lagoon Gas Recovery
- Landfill Gas Evacuation and Collection
- General Parts Drying
- Material Handling



Atlantic Single Stage Regenerative Blowers

Phase	Model Number	Curve Number	KW	Flow (m3/min)	Max Pressure (mbar)	Maximum Vacuum (mbar)	Sound Level (db)	Inlet Diameter	Voltage	Current	Weight (kg)
1	AB-71	B1	0.12	0.5	49	55	51	1"	100-120/200-240V	1.3/0.7	5
	AB-81	B2	0.18	0.7	50	60	53	1"	100-120/200-240V	2.5/1.1	7
	AB-91	B3	0.24	1.0	70	70	55	1"	100-120/200-240V	2.6/1.3	7
	AB-101	B4	0.4	1.5	130	110	61	1.25"	100-120/200-240V	7.8/3.9	11
	AB-201	B5	0.75	2.6	150	140	64	1.5"	100-120/200-240V	13/6.5	16
	AB-301	B6	1.5	3.7	190	180	70	2"	100-120/200-240V	23.0/11.5	26
	AB-401	B7	2.2	5.2	230	230	75	2"	100-120/200-240V	30.0/15.0	32
3	AB-70	B10	0.12	0.5	49	55	51	1"	200-240Δ/345-415Y	0.9Δ/0.5Y	5
	AB-80	B11	0.18	0.7	50	60	53	1"	200-240Δ/345-415Y	1.3Δ/0.7Y	7
	AB-90	B12	0.24	1.0	70	70	55	1"	200-240Δ/345-415Y	1.6Δ/0.9Y	7
	AB-100	B13	0.4	1.5	130	110	61	1.25"	200-240Δ/345-415Y	2.3Δ/1.3Y	11
	AB-200	B14	0.75	2.6	140	140	64	1.5"	200-240Δ/345-415Y	3.9Δ/2.3Y	14
	AB-300	B15	1.5	3.7	180	180	70	2"	200-240Δ/345-415Y	6.0Δ/3.5Y	22
	AB-400	B16	2.2	3.7	220	210	70	2"	200-240Δ/345-415Y	7.0Δ/4.0Y	23
	AB-500	B17	2.2	5.5	210	220	70	2"	200-240Δ/345-415Y	10.7Δ/6.2Y	31
	AB-600	B18	3	5.5	270	255	72	2"	200-240Δ/345-415Y	13.5Δ/7.8Y	34
	AB-700	B19	4	5.5	320	270	72	2"	200-240Δ/345-415Y	16.2Δ/9.3Y	37
	AB-800	B20	5.5	9.5	290	270	79	2.5"	200-240Δ/345-415Y	24.0Δ/12.0Y	76
	AB-850	B21	6.4	12.7	284	272	80	2.5"	200-240Δ/345-415Y	26.0Δ/13.0Y	83
	AB-900	B22	7.5	9.5	390	295	80	2.5"	200-240Δ/345-415Y	29.0Δ/14.3Y	87
	AB-1000	B23	11	9.5	431	343	80	2.5"	200-240Δ/345-415Y	37.0Δ/21.3Y	165
	AB-1100	B24	11	18.9	190	200	81	4"	200-240Δ/345-415Y	37.0Δ/21.4Y	99
	AB-1200	B25	15	18.9	270	290	81	4"	200-240Δ/345-415Y	51.5Δ/29.8Y	111
	AB-1300	B26	18.5	18.9	440	350	81	4"	200-240Δ/345-415Y	76.0Δ/44.0Y	158

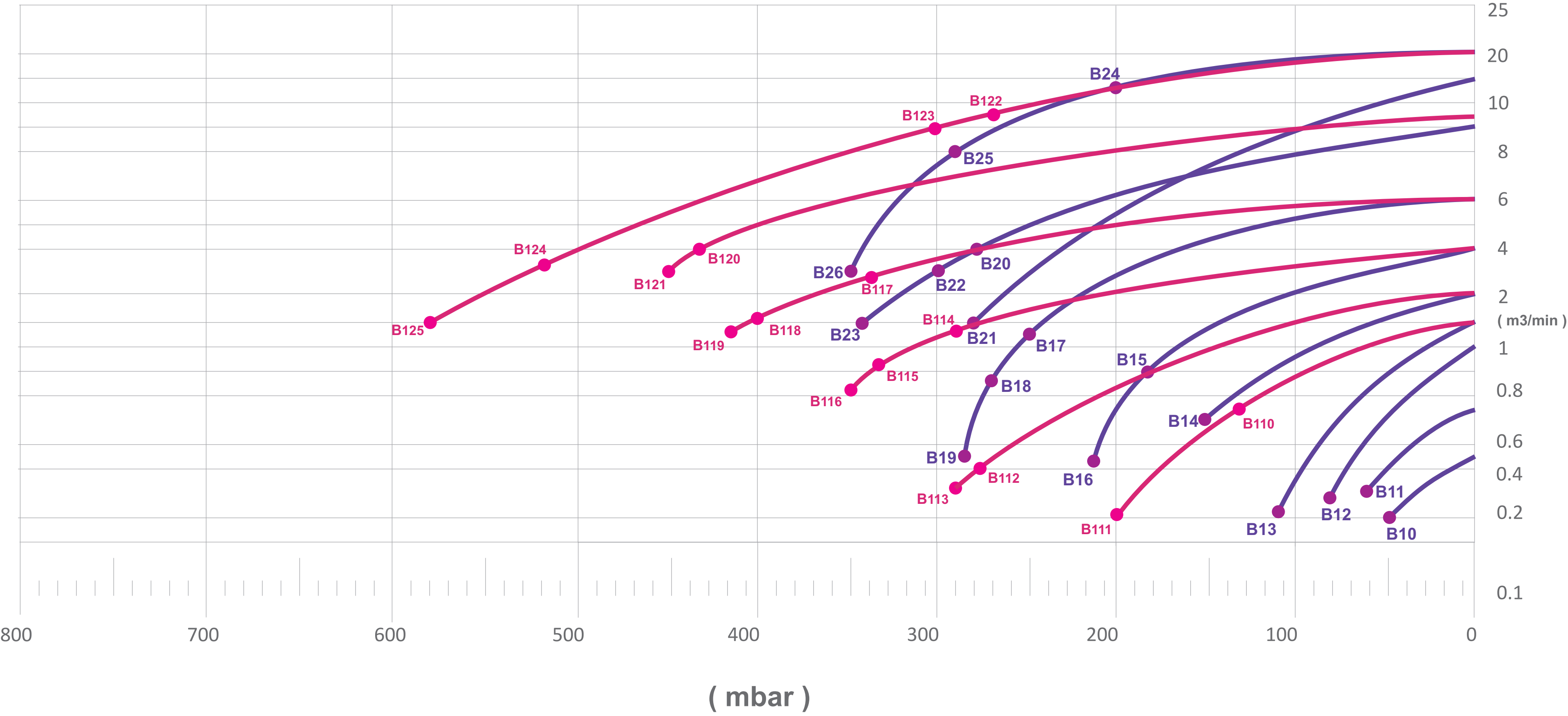
Atlantic Double Stage Regenerative Blowers

Phase	Model Number	Curve Number	KW	Flow (m3/min)	Max Pressure	Maximum Vacuum (mbar)	Sound Level (db)	Inlet Diameter	Voltage	Current	Weight (kg)
1	AB-102/1	B100	0.4	1.5	118	99	68	1.25"	100-120/200-240V	7.8/3.9	17
	AB-202/1	B101	0.75	1.5	206	167	68	1.25"	100-120/200-240V	13.0/6.5	17
	AB-302/1	B102	1.1	1.4	235	196	68	1.25"	100-120/200-240V	19.0/10.0	23
	AB-402/1	B103	2.2	2.6	343	245	69	1.5"	100-120/200-240V	23.0/11.4	28
3	AB-102	B110	0.4	1.6	147	98	68	1.25"	200-240Δ/345-415Y	2.3Δ/1.3Y	15
	AB-202	B111	0.75	1.6	240	200	68	1.25"	200-240Δ/345-415Y	3.9Δ/2.3Y	17
	AB-302	B112	1.1	2.6	320	275	68	1.25"	200-240Δ/345-415Y	7.0Δ/4.0Y	25
	AB-402	B113	2.2	2.6	375	280	69	1.5"	200-240Δ/345-415Y	9.5Δ/5.5Y	28
	AB-502	B114	2.2	3.7	293	276	69	2"	200-240Δ/345-415Y	9.5Δ/5.5Y	28
	AB-602	B115	3	3.7	410	345	74	2"	200-240Δ/345-415Y	13.5Δ/7.8Y	40
	AB-702	B116	4	3.7	495	355	74	2"	200-240Δ/345-415Y	16.2Δ/9.3Y	43
	AB-802	B117	4	5.5	350	350	79	2"	200-240Δ/345-415Y	16.2Δ/9.3Y	55
	AB-902	B118	5.5	5.5	500	410	79	2"	200-240Δ/345-415Y	24.0Δ/12.0Y	71
	AB-1002	B119	7.5	5.5	580	420	79	2"	200-240Δ/345-415Y	29.0Δ/14.3Y	81
	AB-1102	B120	11	9.6	600	430	81	2.5"	200-240Δ/345-415Y	52.0Δ/30.0Y	141
	AB-1202	B121	15	9.6	700	450	81	2.5"	200-240Δ/345-415Y	76.0Δ/44.0Y	159
	AB-1302	B122	15	17.5	250	250	81	4"	200-240Δ/345-415Y	52.0Δ/30.0Y	139
	AB-1402	B123	18.5	17.5	300	300	81	4"	200-240Δ/345-415Y	76.0Δ/44.0Y	159
	AB-1502	B124	22	17.5	519	441	81	4"	200-240Δ/345-415Y	82.0Δ/46.0Y	180
	AB-1602	B125	26.5	17.5	588	565	81	4"	200-240Δ/345-415Y	90.0Δ/48.0Y	191

50Hz(Vacuum)

Single Stage Two Stage

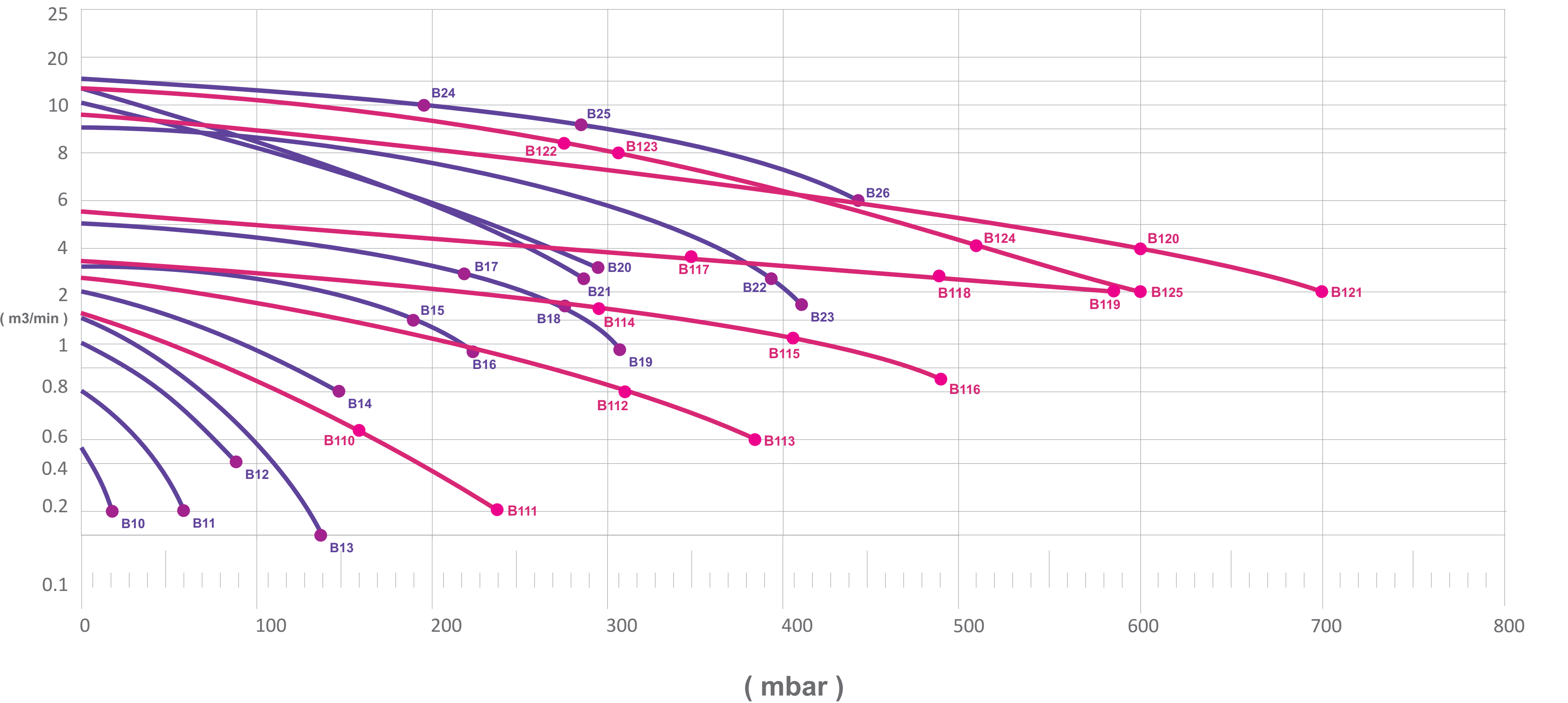
3 Phase



50Hz(Pressure)

Single Stage Two Stage

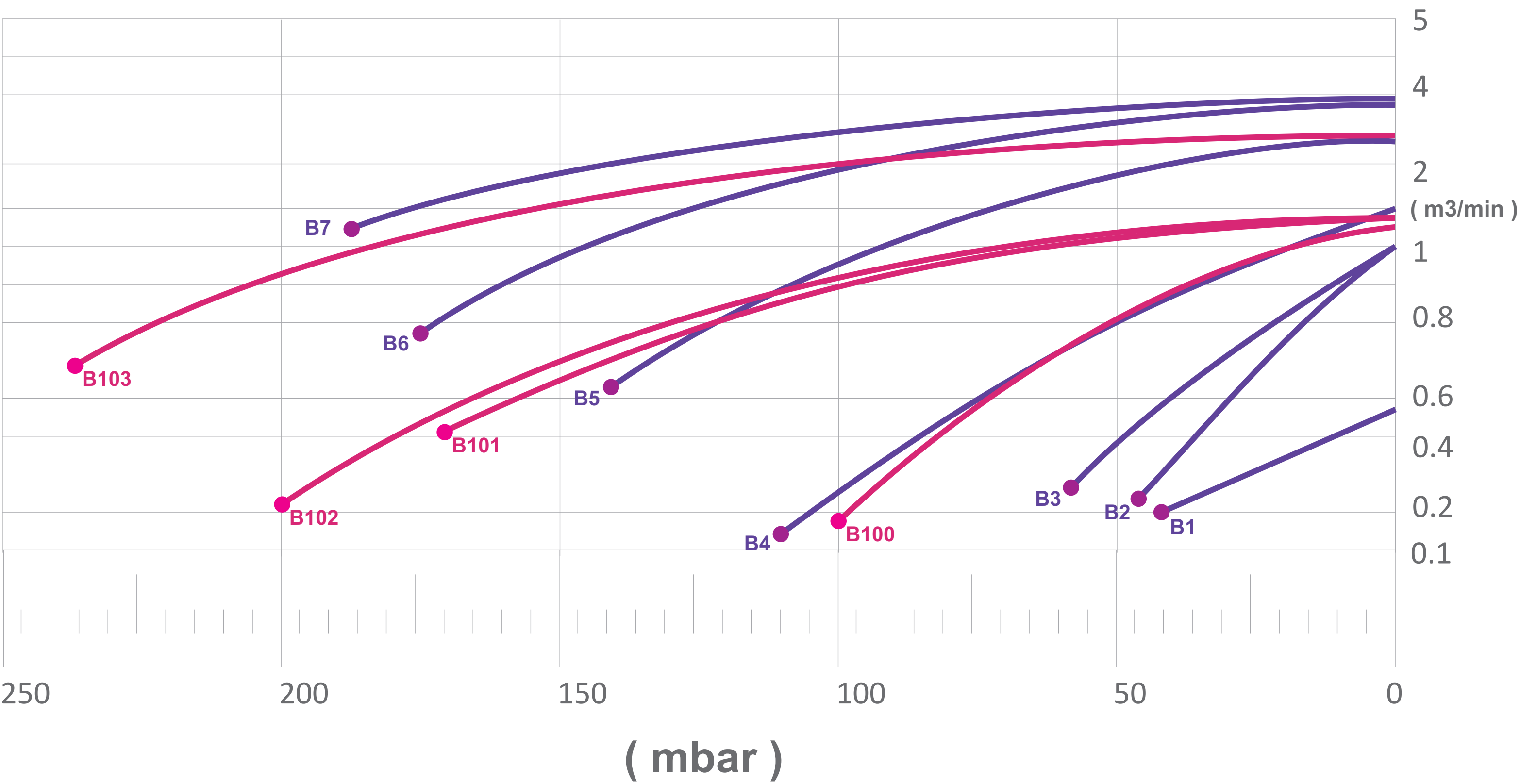
3 Phase



50Hz(Vacuum)

Single Stage Two Stage

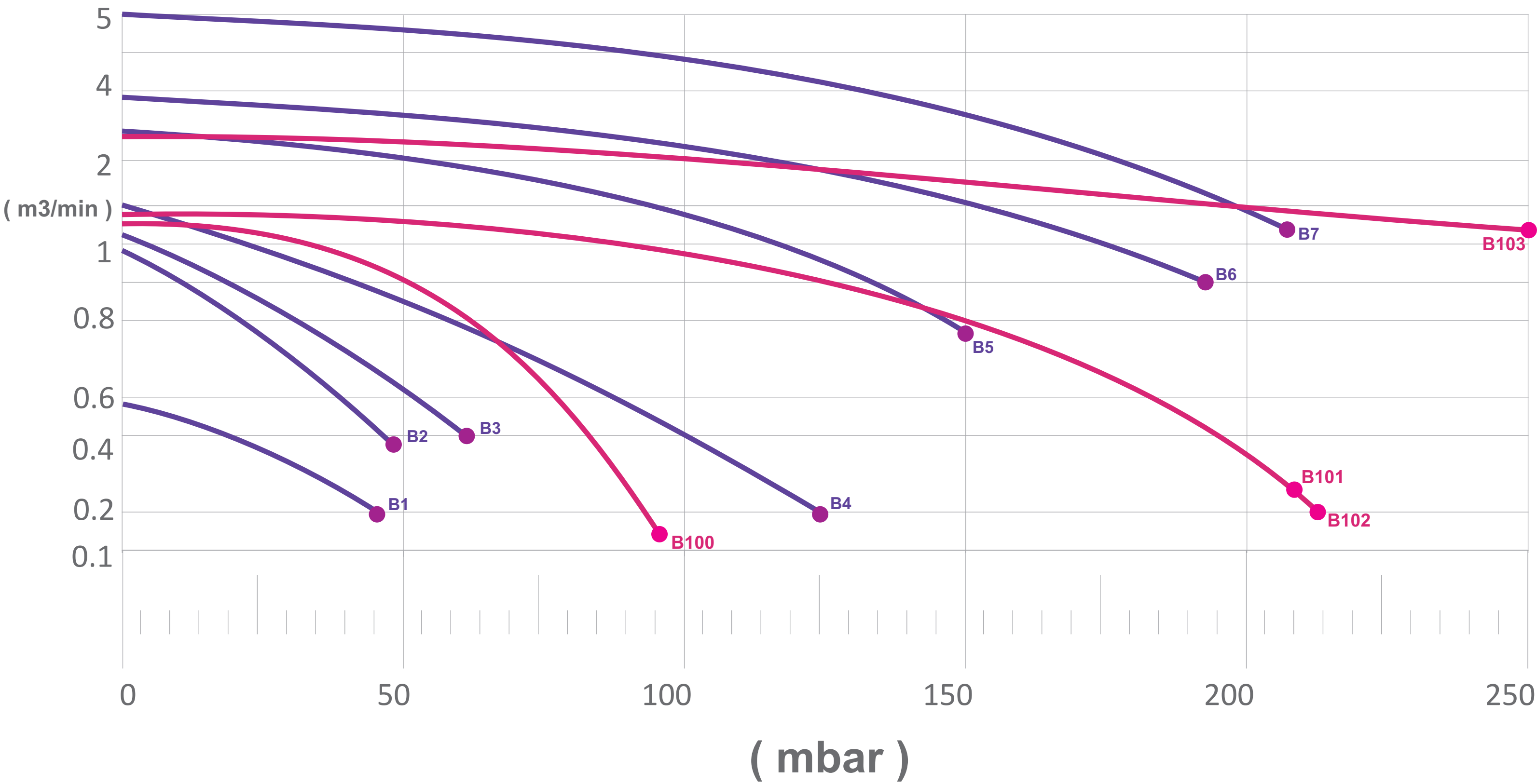
1 Phase



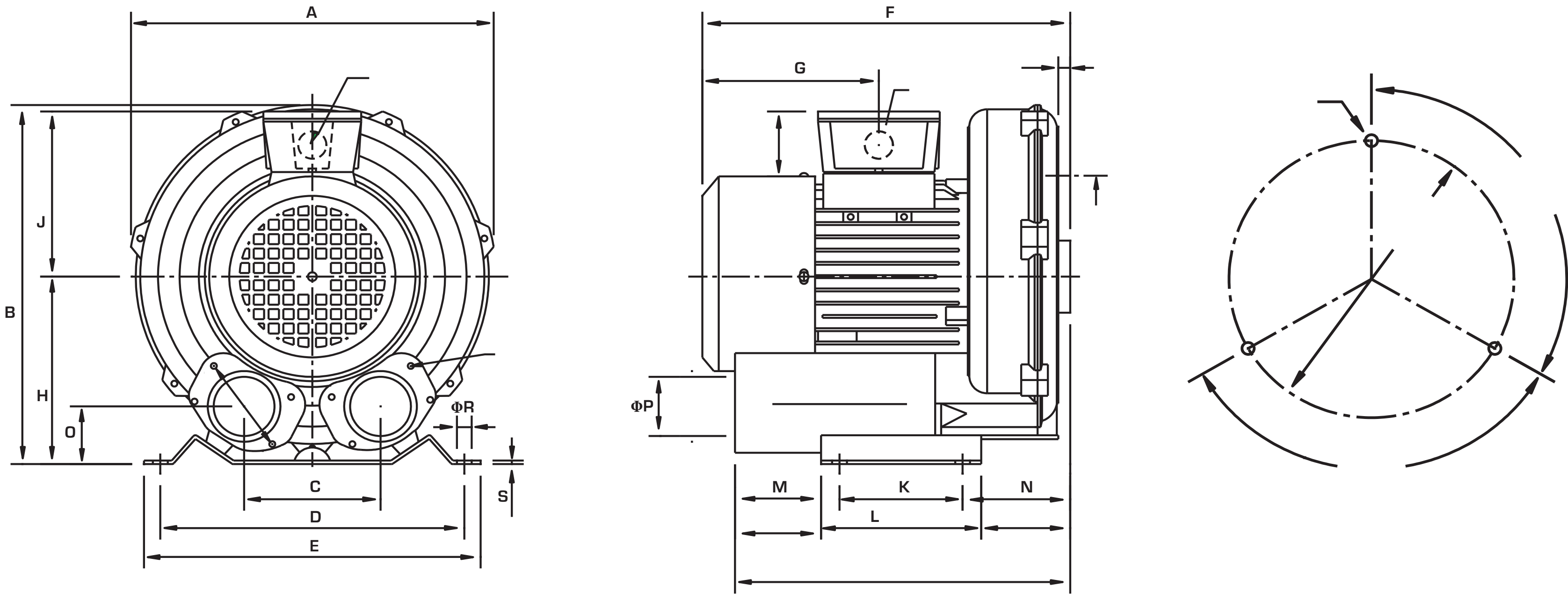
50Hz(Pressure)

Single Stage Two Stage

1 Phase

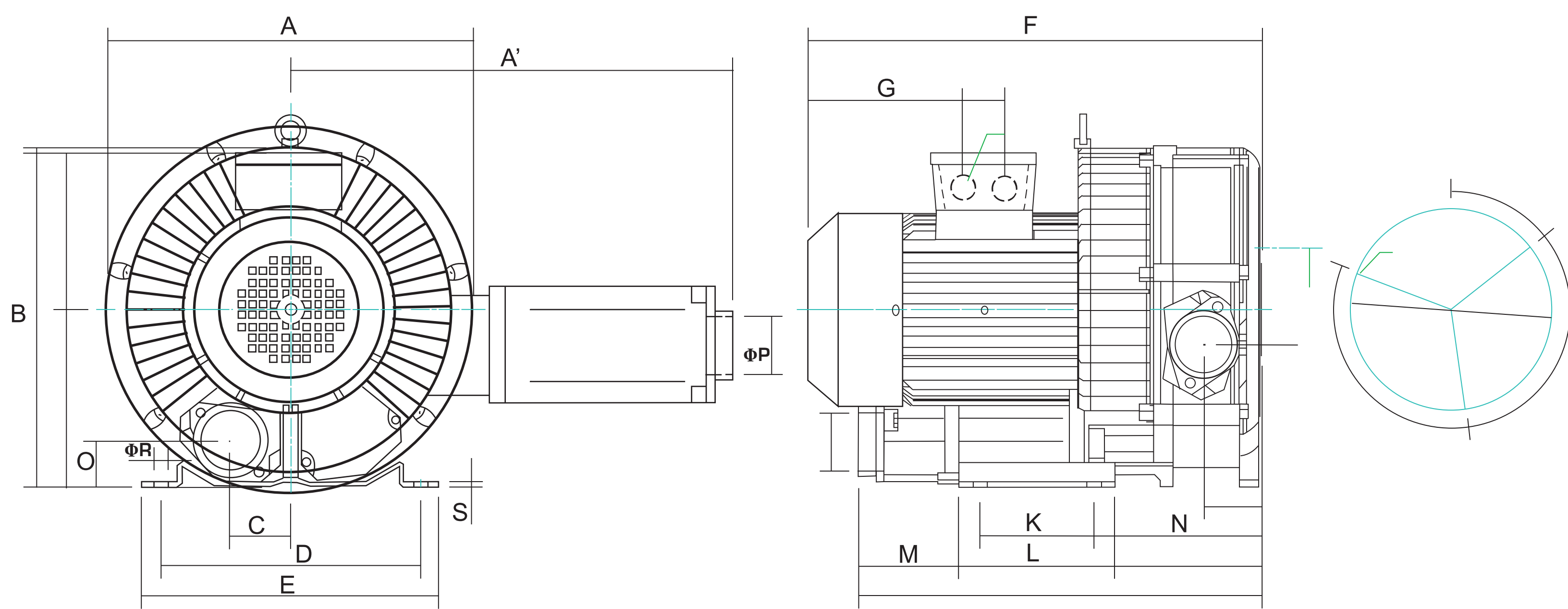


Single Stage



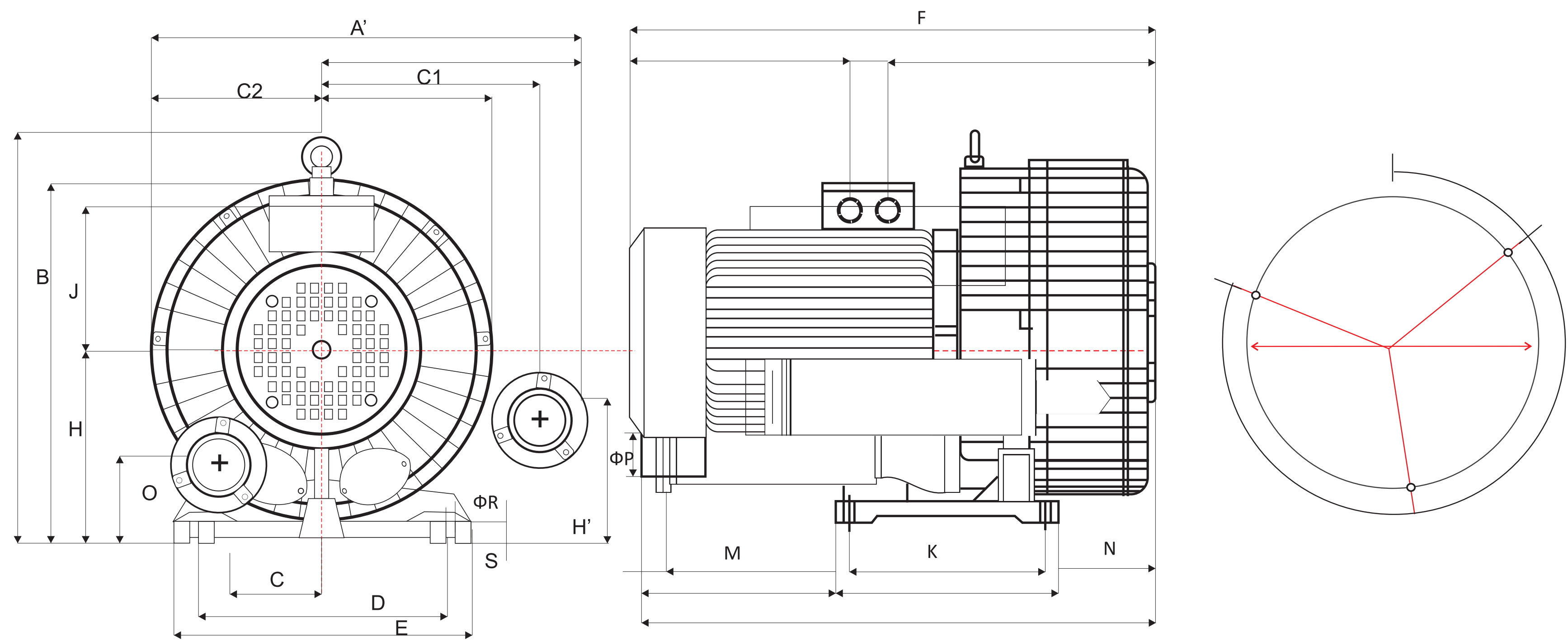
Model No.	A	B	C	D	E	F	G	H	K	L	M	N	O	S	J	ΦP	ΦR
AB 71	200	213	72	165	183	200	95	112	80	100	49	50	37	2.5	99	1"	12
AB 81	200	213	72	165	183	200	95	112	80	100	49	50	37	2.5	99	1"	12
AB 91	200	213	72	165	183	200	95	112	80	100	49	50	37	2.5	99	1"	12
AB 70	200	213	72	165	183	200	95	112	80	100	49	50	37	2.5	99	1"	12
AB 80	200	213	72	165	183	200	95	112	80	100	49	50	37	2.5	99	1"	12
AB 90	200	213	72	165	183	200	95	112	80	100	49	50	37	2.5	99	1"	12
AB 100	248	245	90	205	230	248	100	128	83	108	71	72	40	2.5	112	1 1/4"	10
AB 101	248	245	90	205	230	248	100	128	83	108	71	72	40	2.5	112	1 1/4"	10
AB 200	285	302	115	225	255	260	106	154	95	130	67	78	45	3	124	1 ½"	12
AB 201	285	302	115	225	255	260	106	154	95	130	67	78	45	3	124	1 ½"	12
AB 300	333	338	120	260	296	315	130	172	115	155	96	87	48	4	133	2"	14
AB 301	333	338	120	260	296	315	130	172	115	155	96	87	48	4	133	2"	14
AB 400	333	338	120	260	296	315	130	172	115	155	96	87	48	4	133	2"	14
AB 401	333	338	120	260	296	315	130	172	115	155	96	87	48	4	133	2"	14
AB 500	381	382	125	290	330	367	200	205	140	180	83	110	55	4	160	2"	15
AB 600	381	382	125	290	330	367	200	205	140	180	83	110	55	4	160	2"	15
AB 700	381	382	125	290	330	367	200	205	140	180	83	110	55	4	160	2"	15
AB 800	460	495	155	365	425	435	267	275	280	318	155	20	91	31	185	2 ½"	16
AB 850	460	495	155	365	425	435	267	275	280	318	155	20	91	31	185	2 ½"	16
AB 900	460	495	155	365	425	435	267	275	280	318	155	20	91	31	185	2 ½"	16
AB 1000	460	495	155	365	425	435	267	275	280	318	155	20	91	31	185	2 ½"	16
AB 1100	557	576	210	360	412	620	343	305	600	672	267	95	95	28	211	4"	16
AB 1200	557	576	210	360	412	620	-	305	600	672	-	95	95	28	211	4"	16
AB 1300	557	576	210	360	412	620	343	305	600	672	N/A	95	95	28	211	4"	16

Single Stage



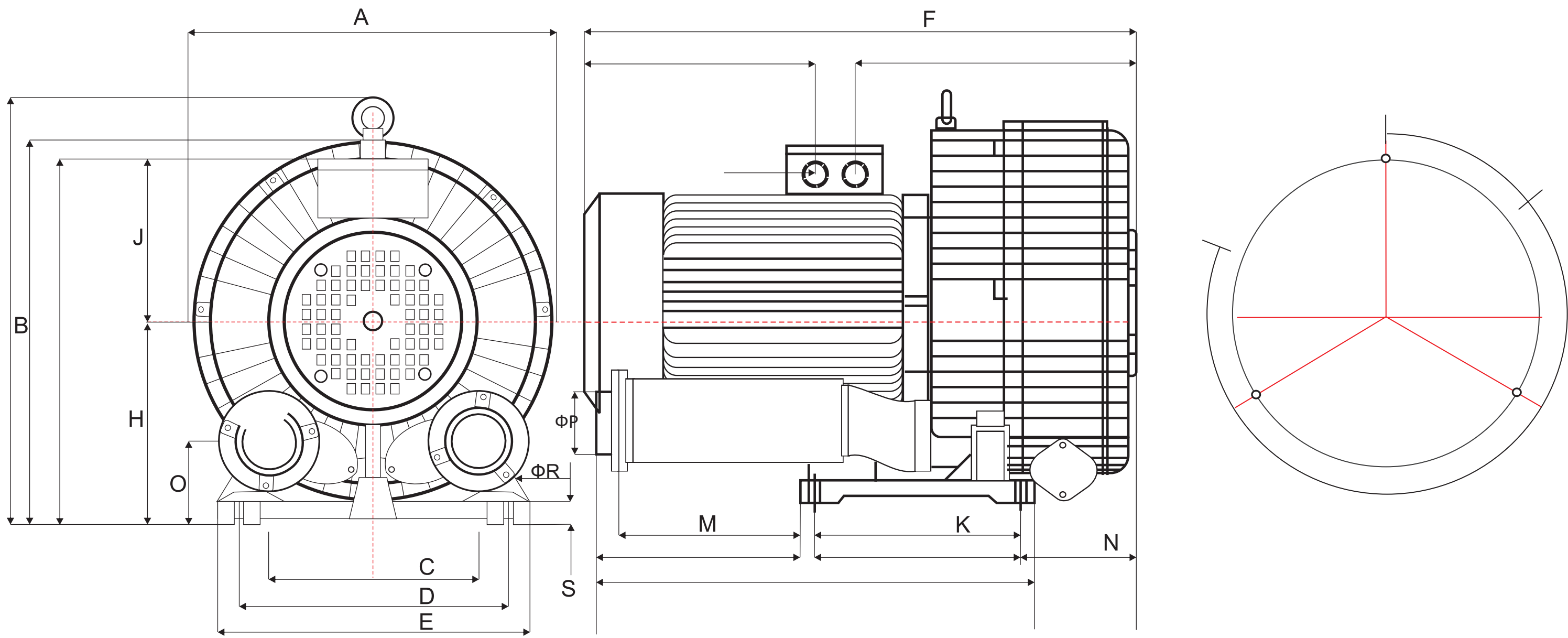
Model No.	A	B	C	D	E	F	G	H	K	L	M	N	O	S	J	ΦP	ΦR	A'
AB 102	284	272	45	205	230	310	100	106	83	108	58	136.5	40	2.5	112	1 1/4"	12	310
AB 102/1	284	272	45	205	230	310	100	106	83	108	58	136.5	40	2.5	112	1 1/4"	12	310
AB 202	284	272	45	205	230	310	100	106	83	108	58	136.5	40	2.5	112	1 1/4"	12	310
AB 202/1	284	272	45	205	230	310	100	106	83	108	58	136.5	40	2.5	112	1 1/4"	12	310
AB 302	321	315	57.5	225	255	389	133	154	95	130	54	152	45	3	133	1 1/4"	12	315
AB 302/1	321	315	57.5	225	255	389	133	154	95	130	54	152	45	3	133	1 1/4"	12	315
AB 402	321	315	57.5	225	255	389	133	154	95	130	54	152	45	3	133	1 1/2"	12	315
AB 402/1	321	315	57.5	225	255	389	133	154	95	130	54	152	45	3	133	1 1/2"	12	315
AB 502	364	338	61	260	296	454	125	176	115	155	103	168	48	4	156	2"	14	442.5
AB 602	364	338	61	260	296	454	125	176	115	155	103	168	48	4	156	2"	14	442.5
AB 702	364	338	61	260	296	454	125	176	115	155	103	168	48	4	156	2"	14	442.5
AB 802	426	420	114	290	330	562(465)	126	198	140	180	173(83)	200	85(55)	4.5	185(160)	2"	15	455
AB 902	426	420	114	290	330	562(465)	126	198	140	180	173(83)	200	85(55)	4.5	185(160)	2"	15	455
AB 1002	426	420	114	290	330	562(465)	126	198	140	180	173(83)	200	85(55)	4.5	185(160)	2"	15	455

Double Stage



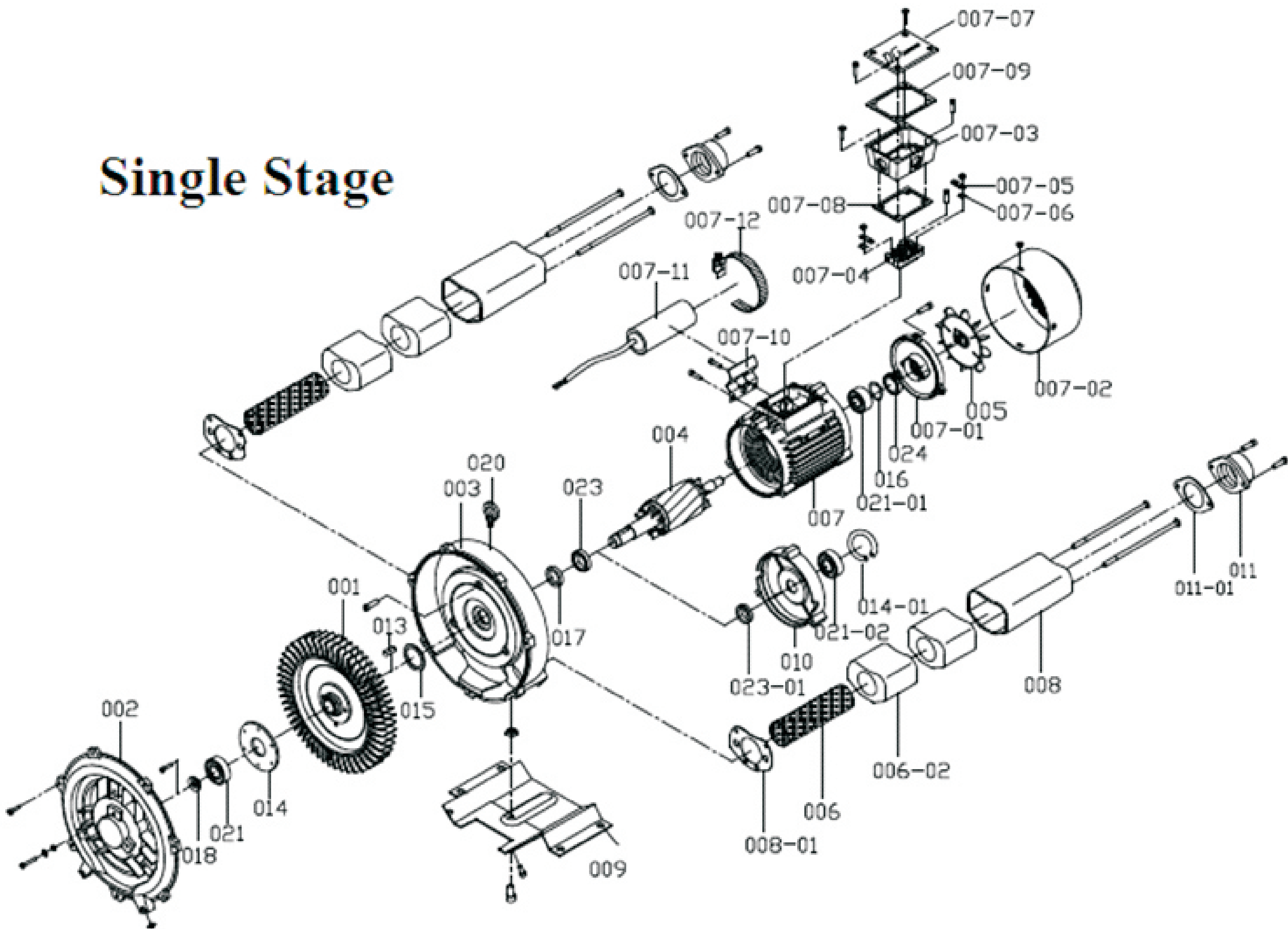
Model No.	A'	C1	C2	B	J	H	C	D	O	S	H'	ΦP	ΦR	F	M	K	N
AB 1102	615	307	243	503	211(185)	275	144(77.5)	365	112(91)	31	190	2 1/2"	16	747(563)	262(152)	280	155
AB 1202	615	307	243	503	211(185)	275	144(77.5)	365	112(91)	31	190	2 1/2"	16	747(563)	262(152)	280	155

Double Stage

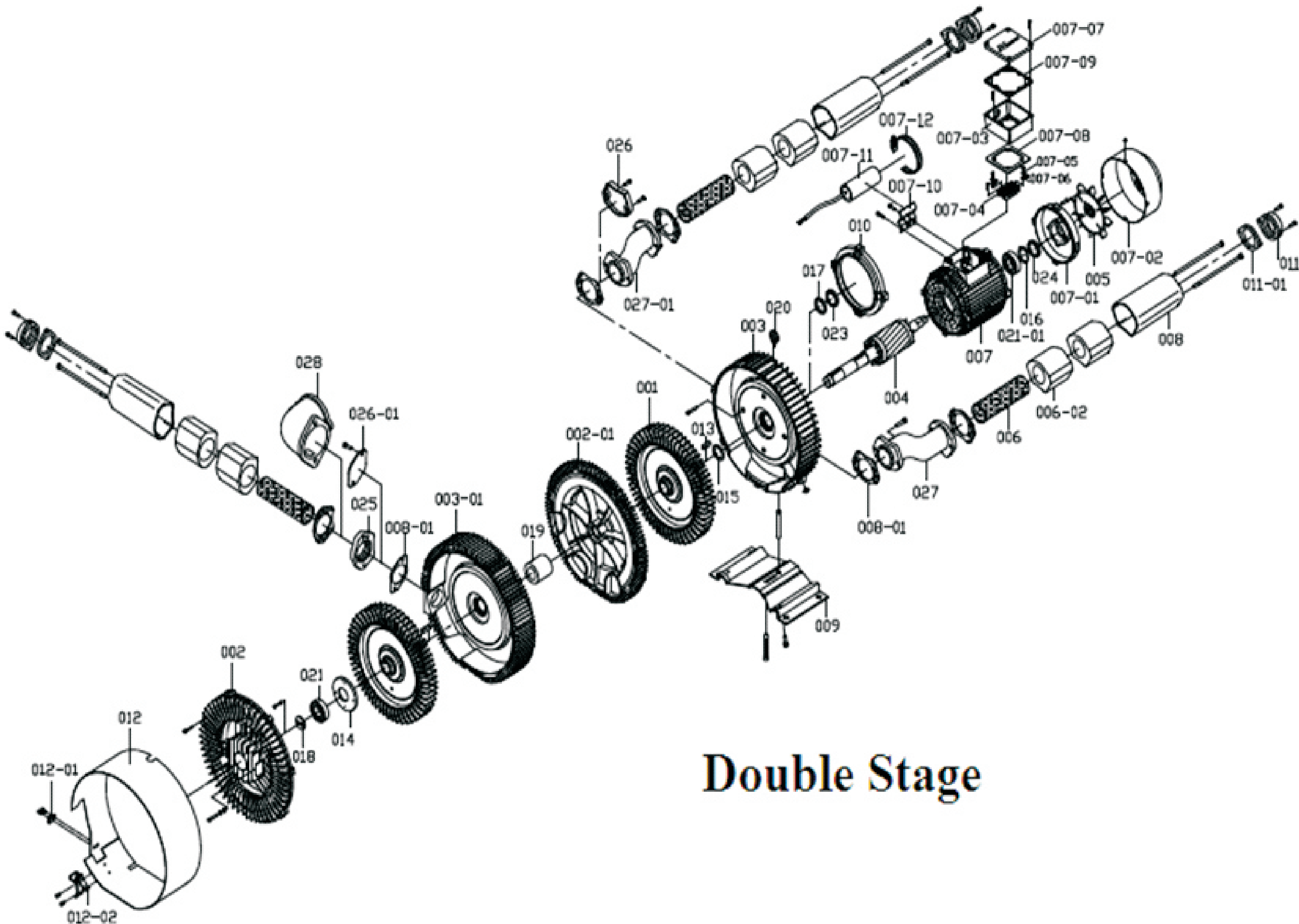


Model No.	A	B	C	D	E	H	J	O	S	ΦP	ΦR	F	M	K	N
AB 1302	484	503	288(77.5)	365	425	275	211(185)	112(91)	31	4"	16	747(563)	262(152)	280	155
AB 1402	484	503	288(77.5)	365	425	275	211(185)	112(91)	31	4"	16	747(563)	262(152)	280	155
AB 1502	484	503	288(77.5)	365	425	275	211(185)	112(91)	31	4"	16	747(563)	262(152)	280	155
AB 1602	484	503	288(77.5)	365	425	275	211(185)	112(91)	31	4"	16	747(563)	262(152)	280	155

Single Stage



Double Stage



#	Part Name	#	Part Name	#	Part Name	#	Part Name
001	Impeller	013	Terminal box cover	025	Bearing washer	037	Mid blower housing
002	Blower cover	014	Wire socket	026	washer	038	Impeller fixing set
003	Blower housing	015	Fixed slice	027	washer	039	Outlet cover
004	Bronze ring	016	Wire connection slice	028	Bearing socket	040	Front bearing
005	Rotor	017	Capacitor stator	029	Fan	041	Back bearing
006	Silencer washer	018	Capacitor	030	Mid motor cover	042	Silencer socket
007	Silencer mesh pipe	019	Steel clip	031	Rotor pin	043	90° extension elbow
008	Silencer sponge	020	Terminal box washer	032	wave washer	044	Silencer socket washer
009	Motor	021	Silencer housing	033	Protection steel skin	045	Cover
010	Motor cover	022	Mounting plate	034	Buckle(up)	046	Oil seal
011	Fan cover	023	Inlet/Outlet	035	Buckle(down)	047	Pipe extension
012	Terminal box	024	Inlet/Outlet washer	036	Mid blower cover	048	Socket washer

■ We also have complete Kits!

- Pre-Assembled Pressure Packages

- Pre-Assembled Vacuum Packages

- Do you have enough Filter Elements?

-Buy 3 Get 1 Free!

-Order Now

- Do you have a Filter Monitor Gauge?

-For Letting you know Automatically when to change your Dirty Filter

- Let us know if you have any special requests such as:

- Anodizing- Protect the blower from Oxidization Internally
- Mechanical Seals- will deter ingress of gases and particles
- Sealed Bearings- run clean without the possibility of contamination
- Thermal Protectors- protect blower from overheating
- Tropicalization- protect the blower from oxidization externally
- 50/60 Hz- all blower motors come with dual frequency motors
- Retro-fit Kits - for bases and flanges are available
- 575 V- is available
- Vibration Isolators- are available
- Short lead times on all products