CoreVac
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2BE3 & 4 Series Liquid Ring Vacuum Pumps



Introduction:
2BE3 series pumps adopt the single-stage and single-function structure with the advantage of simple structure, convenient maintenance, reliable running, high efficiency and energy saving and they can be suitable for the bad working conditions such as large water discharge and load impact fluctuation etc. They are usually used to suction the gas without solid particle, undissolved and noncorrosive gas in order to form vacuum and pressure in the closed container. By changing the structure material, they can also be used to suction corrosive gas or use corrosive liquid as operating liquid.

Advantages:
1. Available in different materials to suit your application
2. Standard sealing is packed gland, mechanical seals available.
3. The pumps can handle carry-over of liquids and / or soft solids without causing damage to the internal parts.
4. The design allows operation with various seal fluids.
5. Adopted taper-lock pulleys with SPC belts for pulley driven transmission pumps and for coupling driven type which adopted high quality with effective driving part.
6. Reliable heavy-duty design, built to rigid quality standards.
7. Shaft sleeves are standard by SUS 304 material for standard cast version material pumps, virtually eliminating the possibility of shaft wear.
8. Protection guards for the shaft mounted - no contact by fingers and material by SUS 304.
9. The pump can handle large amounts of condensable vapors performance significantly.
10. International standard sandblasting and painting.
11. Low operating speeds ensure

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Application:

2BE3 series pumps are widely used in paper-making, chemical, petrochemical, light industry, pharmacy, instruments, metallurgy,construction, electronic appliance, coal-cleaning, mineral concentration, fertilizer etc.

Technical Specification:

Model	Speed (Driving mode) [r/min]		Shaft power [kW]	Motor power [kW]	Ultimate vacuum [mbar]	Max. capacity [m3/h]	
2BE3/4-300	450	(gear box)	46	4P-55	160	2300	38.3
	490	(gear box)	55	4P-75		2550	42.5
	560	(gear box)	63	4P-75		2950	49.2
	630	(gear box)	74	4P-90		3310	55.2
	690	(gear box)	85	4P-110		3620	60.3
	740	(gear box)	95	4P-110		3890	64.8
	810	(gear box)	112	4P-132		4290	71.5
2BE3/4-320	450	(gear box)	65	4P-75	160	3330	55.5
	490	(gear box)	73	4P-90		3660	61
	560	(gear box)	87	4P-110		4180	69.7
	630	(gear box)	102	4P-132		4640	77.3
	690	(gear box)	117	4P-132		4990	83.2
	740	(gear box)	132	4P-160		5250	87.5
	810	(gear box)	155	4P-185		5580	93
2BE3/4- 40	300	(V-belt/gearbox)	64.8	6P-75	160	4200	70
	330	(V-belt/gearbox)	75	6P-90		4650	77
	350	(V-belt/gearbox)	86.5	4P-110		4680	81
	390	(V-belt/gearbox)	99	4P-110		5460	91
	430	(V-belt/gearbox)	117	4P-132		6000	100
	498	(V-belt/gearbox)	135	4P-160		6900	115
	530	(V-belt-gearbox)	148	4P-185		7440	124
	570	(V-belt/gearbox)	167	4P-200		8000	133
2BE3/4- 42	300	(V-belt/gearbox)	100	6P-110	160	5850	97.5
	350	(V-belt/gearbox)	109	4P-132		6300	105
	390	(V-belt/gearbox)	133	4P-160		7650	127
	449	(V-belt/gearbox)	157	4P-185		8550	142
	490	(V-belt/gearbox)	180	4P-200		9200	154
	530	(V-belt/gearbox)	200	4P-220		10100	168
	570	(V-belt-gearbox)	225	4P-250		10600	177
2BE3/4- 50	236	(V-belt/gearbox)	128	6P-160	160	7500	125
	266	(V-belt/gearbox)	140	6P-160		8500	142
	300	(V-belt/gearbox)	173	6P-200		10000	167
	336	(V-belt/gearbox)	235	4P-250		11400	190
	366	(V-belt/gearbox)	261	4P-280		12500	208
	420	(V-belt/gearbox)	278	4P-315		13700	228
2BE3/4- 52	236	(V-belt/gearbox)	168	6P-185	160	9000	150
	266	(V-belt/gearbox)	175	6P-200		10560	176
	336	(V-belt/gearbox)	260	4P-280		13800	230
	366	(V-belt/gearbox)	285	4P-315		15000	250
	421	(V-belt/gearbox)	331	4P-400		16800	280
	468	(V-belt/gearbox)	416	4P-500		18450	307

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2BE3/4- 60	236	(gearbox)	204	6P-250	160	11820	197
	265	(gearbox)	243	6P-280		14200	236
	295	(gearbox)	295	4P-315		15900	265
	340	(gearbox)	340	4P-400		17400	290
	370	(gearbox)	370	4P-450		19400	323
2BE3/4- 62	200	(gearbox)	195	6P-250	160	13200	220
	230	(gearbox)	260	6P-315		15180	253
	266	(gearbox)	300	6P-335		17300	288
	297	(gearbox)	348	4P-400		19300	322
	330	(gearbox)	395	4P-450		21300	355
	372	(gearbox)	490	4P-560		24000	400
2BE3/4- 67	180	(gearbox)	250	6P-315	160	14500	242
	210	(gearbox)	285	6P-315		18000	300
	270	(gearbox)	415	6P-450		22800	380
	300	(gearbox)	465	4P-560		25800	430
	330	(gearbox)	545	4P-630		27720	462
	370	(gearbox)	670	4P-800		30960	516
2BE3/4- 72	190	(gearbox)	338	6P-400	160	20100	335
	210	(gearbox)	395	6P-450		23760	396
	240	(gearbox)	475	6P-560		27000	450
	270	(gearbox)	550	6P-630		30000	500
	300	(gearbox)	642	4P-710		33600	560
2BE3-80N	190	(gearbox)	507	560	160	30000	500
	210	(gearbox)	585	630		32280	538
	240	(gearbox)	710	800		36600	610
	270	(gearbox)	849	900		40800	680
	300	(gearbox)	796	10000		44800	748
2BE3-90N	170	(gearbox)	570	630	160	39000	650
	195	(gearbox)	730	800		46800	780
	210	(gearbox)	815	900		49800	860
	230	(gearbox)	925	1000		52800	880
	245	(gearbox)	1035	1120		55800	930
2BE3-100N	155	(gearbox)	730	800	160	48000	800
	165	(gearbox)	840	900		51300	855
	175	(gearbox)	900	1000		54000	900
	190	(gearbox)	995	1120		59400	990
	200	(gearbox)	1146	1250		62400	1040