

2BE1 Series Liquid Ring Vacuum Pumps



Introduction:

[2BE1 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. The whole body are painted by baking paint.
2. The pump are manufactured under German DIN Standard.
3. Liquid-level Indicator equipped for start-up observation
4. Impeller welded by nodular iron or steel, which ensures high stability and promises long-lifetime even in harsh condition.
5. Coupling (direct drive type) with highly intensified elastic material (made of polyurethane) which ensures pump stability and long lifetime.
6. Burgmann mechanical seal (optional) with no air leakage, specially suitable for toxic gas suction.

**Application:**

2BE1 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 [380V]	Ultimate vacuum [hpa]	Max. capacity		Weight (excl.motor) [Kg]
					[m ³ /h]	[m ³ /min]	
2BE1-102	1450 (direct)	6.0	Y132M-4-7.5	33hpa (-0.097MPa)	246	4.1	110
	1750 (V-belt)	8.0	Y160M-4-11		290	4.8	
2BE1-103	1450 (direct)	8.2	Y160M-4-11	33hpa (-0.097MPa)	340	5.7	125
	1750 (V-belt)	11.1	Y160L-4-15		412	6.9	
2BE1-152	1450 (direct)	12.5	Y160L-4-15	33hpa (-0.097MPa)	450	7.5	175
	1625 (V-belt)	15.0	Y180M-4-18.5		510	8.5	
	1750 (V-belt)	17.2	Y180L-4-22		535	8.9	
2BE1-153	1450 (direct)	16.3	Y180M-4-18.5	33hpa (-0.097MPa)	600	10.0	200
	1100 (V-belt)	10.6	Y160L-4-15		445	7.4	
	1300 (V-belt)	13.4	Y180M-4-18.5		535	8.9	
	1620 (V-belt)	19.6	Y180L-4-22		648	10.8	
	1750 (V-belt)	22.3	Y200L-4-30		700	11.7	
2BE1-202	980 (direct)	18.2	Y200L2-6-22	33hpa (-0.097MPa)	750	12.5	460
	790 (V-belt)	13.4	Y180M-4-18.5		590	9.8	
	880 (V-belt)	16.3	Y180M-4-18.5		670	11.2	
	1100 (V-belt)	23.8	Y200L-4-30		860	14.3	
	1170 (V-belt)	25.7	Y200L-4-30		888	14.8	
	1300 (V-belt)	30	Y225S-4-37		950	15.8	
2BE1-203	980 (direct)	29.5	Y250M-6-37	33hpa (-0.097MPa)	1080	18	530
	790 (V-belt)	21.2	Y200L-4-30		870	14.5	
	880 (V-belt)	24.8	Y200L-4-30		980	16.3	
	1100 (V-belt)	34	Y225M-4-45		1210	20.2	
	1170 (V-belt)	38	Y225M-4-45		1320	22.0	
	1300 (V-belt)	42	Y250M-4-55		1390	23.2	
2BE1-252	740 (direct)	38	Y280M-8-45	33hpa (-0.097MPa)	1700	28.3	870
	565 (V-belt)	23.7	Y200L-4-30		1200	20.0	
	660 (V-belt)	31.8	Y225S-4-37		1500	25.0	
	820 (V-belt)	45	Y250M-4-55		1770	29.5	
	885 (V-belt)	54	Y280S-4-75		2000	33.3	
	938 (V-belt)	60	Y280S-4-75		2100	35.0	

2BE1-253	740 (direct)	54	Y315M-8-75	33hpa (-0.097MPa)	2450	40.8	930
	565 (V-belt)	37.2	Y225M-4-45		1690	28.2	
	660 (V-belt)	45	Y250M-4-55		2100	35	
	740 (V-belt)	50.8	Y280S-4-75		2340	39	
	792 (V-belt)	60	Y280S-4-75		2560	42.7	
	820 (V-belt)	68	Y280M-4-75		2640	44	
	880 (V-belt)	75.1	Y280M-4-90		2780	46.3	
	940 (V-belt)	88	Y315S-4-110		3050	50.8	
2BE1-303	740 (direct)	98	Y315L2-8-110	33hpa (-0.097MPa)	4000	66.7	1700
	590 (direct)	65.5	Y315L2-10-75		3200	53.3	
	466 (V-belt)	48	Y250M-4-55		2520	42	
	530 (V-belt)	58	Y280S-4-75		2820	47	
	583 (V-belt)	64	Y280S-4-75		3100	51.7	
	660 (V-belt)	79.8	Y280M-4-90		3550	59.2	
	740 (V-belt)	96	Y315S-4-110		3840	64	
2BE1-305	740 (direct)	108	Y355M1-8-132	33hpa (-0.097MPa)	4520	75.3	1820
	590 (direct)	70	Y355M1-10-90		3750	62.5	
	490 (V-belt)	55	Y280S-4-75		3150	52.5	
	530 (V-belt)	61	Y280S-4-75		3380	56.4	
	583 (V-belt)	68	Y280M-4-90		3700	61.2	
	660 (V-belt)	90	Y315S-4-110		4090	68.1	
	740 (V-belt)	110	Y315M-4-132		4550	75.8	
2BE1-353	590 (direct)	121	Y355L2-10-160	33hpa (-0.097MPa)	5300	88.3	2300
	390 (V-belt)	63	Y280S-4-75		3580	59.7	
	425 (V-belt)	72	Y280M-4-90		3700	61.7	
	464 (V-belt)	85	Y315S-4-110		4100	68.3	
	530 (V-belt)	95	Y315M-4-110		4620	77.0	
	560 (V-belt)	110	Y315L1-4-132		5000	83.3	
	620 (V-belt)	133	Y315L1-4-160		5500	91.7	
	660 (V-belt)	152	Y315L2-4-185		5850	97.5	
2BE1-355	590 (direct)	136	Y355L2-10-160	33hpa (-0.097MPa)	5700	95	2450
	390 (V-belt)	75	Y280M-4-90		4180	69.7	
	420 (V-belt)	80.8	Y280-4-90		4260	71	
	464 (V-belt)	95	Y315S-4-110		4850	80.8	
	523 (V-belt)	113	Y315M-4-132		5230	87.1	
	590 (V-belt)	136	Y315L1-4-160		6000	100	
	660 (V-belt)	182	Y315L2-4-200		6510	108	
2BE1-403	330 (V-belt)	98	Y315M-4-132	33hpa (-0.097MPa)	4860	81	3750
	372 (V-belt)	110	Y315M-4-132		5400	90	
	420 (V-belt)	131	Y315L1-4-160		6470	107.8	
	472 (V-belt)	160	Y315L2-4-200		7380	123.0	
	530 (V-belt)	213	Y355M2-4-250		8100	135.0	



Vacuum Solution



2BE1-405	330 (V-belt)	100	Y315M-4-132	33hpa (-0.097MPa)	6000	100.0	3900
	372 (V-belt)	118	Y315L1-4-160		6700	111.7	
	420 (V-belt)	140	Y315L2-4-185		7500	125.0	
	472 (V-belt)	170	Y315L2-4-200		8350	139.2	
	530 (V-belt)	206	Y355M2-4-250		9450	157.5	