

Winner Vacuum Packing Pvt Ltd.

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LIQUID RING VACUUM PUMP

2WBE3 SERIES

Introduction

The 2WBE3 liquid ring vacuum pumps and compressors are high efficient and energy saving products developed by our company on the basis of our scientific achievements and production experiences over the years and internationally advanced technique of similar products. They are also applicable for corrosive gases or corrosive liquid can be used as treatment fluid by modifying materials of parts.



The products are being widely used in fields of paper making chemistry, pharmacy, coal dressing, mineral, stoneware, and chemical fertilizer due to their outstanding and reliable performance and durability.

Main features:

- 1. 2WBE3 vacuum pump set the suction and discharge flanges both on the top and sides with the same diameter so onsite installations are more flexible and convenient.
- 2. The material of the impeller is welded with nodular iron or steel to ensure the high stability and increase the lifetime of the pump greatly during any hard conditions.
- 3. The pump body is made of steel or stainless steel plates to increase the lifetime of the pump.
- 4. The mechanical seals (option) adopt the imported parts to fully ensure the pump in the long-running process without leakage.
- 5. The gap, corrosion status, fouling situation can be easily observed by the big inspection port on both sides of the pump cover.
- 6. All bearings adopt the imported products in order to ensure precise orientation of impeller and high stability during the running.
- 7. The pulley (when the pump is driven by the belt) adopts standard high precise taper bushing pulley to keep the reliable running and increase its lifetime, also it is easy to dismantle.
- 8. The shaft sleeve as the most easily damaged part, our shaft sleeve is made of stainless steel to increase the lifetime of the pump five times than normal material.
- 9. Special separator built-on the pump can save the space and reduce the noise efficiently.
- 10. All the castings by the resin sands with great quality, no puttying. Keep the heat dissipation is the best.

Technical Data:

Model	Ultimate Vacuum hpa	Rotary Speed (rpm)	Pumping Speed (m³/hr)	Motor Power (kw)	Transmission Type	Pump Weight (kg)	Inlet Diam (mm)	Outlet Diam (mm)
2WBE3 400	160	300	70.0	75	Gear box/ belt	4050	300	300
		330	77.5	90				
		350	81.0	110				
		390	91.0	110				
		449	103.0	132				
		475	110.0	160				
		498	115.0	160				

		530	124	185				
2WBE3 420	160	300	97.5	110	Gear box/ belt	4200	300	300
		330	105	132				
		370	123	160				
		390	128	160				
		420	130	185				
		470	143	185				
		530	170	220				
2WBE3 500	160	236	125	165	Gear box/belt	6110	350	350
		266	143	185				
		294	167	200				
		340	190	250				
		380	208	280				
		420	225	315				
2WBE3 520	160	236	150	185	Gear box/belt	6740	350	350
		266	165	220				
		336	235	280				
		366	250	315				
		421	280	400				
		468	307.5	500				
2WBE3 600	160	236	197	250	Gear box/belt	9100	400	400
		265	236.5	280				
		290	266.7	315				
		330	276.6	400				
		370	323.3	450				
2WBE3 620	160	200	220	220	Gear box/belt	10700	400	400
		230	253	315				
		266	288.3	355				
		297	322	400				
		330	355	450				
		372	400	560				
2WBE3 670	160	175	242	315	Gear box/belt	12700	500	500
		210	290	400				
		270	375	450				
		300	430	560				
		320	450	630				
		330	462	630				
		370	516	800				
2WBE3 720	160	190	335	400	Gear box/belt	15700	500	500
		210	396	450				
		240	450	560				
		270	500	630				
		300	560	710				

Notes:

- 1, The motor recommended above can work under most conditions, Ex: The exhaust pressure exceeds the range of 0.02-0.05Mpa, then increase the motor. If the shaft power of 2WBE3 vacuum pump is minor in normal working, also can choose the motor with lower power near to the shaft power can save more energy.
- 2, Above pump speed are only for reference, The actual speed is confirmed according to the transmission type and the customer's requirements. 2WBE3 series Liquid ring vacuum pump and compressor

2WBE3 series Liquid ring vacuum pump and compressor

Model/Suction							

pressure (mbar)	200	250	300	350	400	450	500	550	600	650	700	750	800
2WBE3-400	9.5	9.9	9.9	9.5	9	8.7	7.9	7.5	6.6	6	5.3	4.7	4.2
2WBE3-420	13	13.5	13.5	12.9	12.3	11.5	10.7	9.7	9	8.1	7.3	6.4	5.8
2WBE3-500	17.6	18.3	18.3	17.2	16.6	15.4	14.4	13.2	12.1	11	9.9	8.9	7.8
2WBE3-520	21.5	22.2	22.2	21.2	20.2	18.9	17.6	16.1	14.8	200	12	10.7	9.5
2WBE3-600	24.6	25.4	25.4	24.2	23	21.5	20.1	18.4	16.9	15.3	13.7	12.2	10.9
2WBE3-620	30	30.9	30.9	29.3	28	26.1	24.4	22.3	20.5	18.6	16.7	14.9	13.2
2WBE3-670	34.6	35.5	36.4	34.6	33	30.7	28.7	26.3	24.1	21.8	19.7	17.6	15.5
2WBE3-720	41.3	42.2	43.5	41.4	39.4	36.7	34.3	31.5	28.8	26.2	23.7	21.1	18.6

- 1. In the usual condition with standard temperature at 15? (its range from 0? to 65?); or at least its temperature is lower 10? than the boiling point.
- 2. The above water consumption indicates the data under standard speed of the pump. For various speeds, the practical value in the chart should multiply the ratio between the practical speed and the standard speed.
- 3. If it is necessary to raise the flow rate of the working liquid, the data in the above chart should be double.