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VZ



Liquid Ring Vacuum Pumps (Single-action Type)

Bore(mm)	50x50 - 100x100
Motor Output(kW)	5.5 - 30

- **Saving-space Design.**

A revised structure and reduced number of component parts allows for a reduction of overall mass by approximately 10% and a decrease in the size of the pump by approximately 15%. (Based on comparisons with the previous models)

- **Superior Durability.**

Use of stainless steel as the material for the impeller and port plates which come into contact with seal liquid greatly increases pump durability.

- **Economic Design.**

[Seal Liquid Filling Method]

Compatible with both pressurized and self-priming applications without any need for structural changes.

[Reduction of Seal Liquid Quantities]

Optimization of seal liquid flow inside the pump allows for an approximately 10% reduction in the quantity of seal liquid. (Based on comparisons with the previous models)

[Anti Cavitation Device]

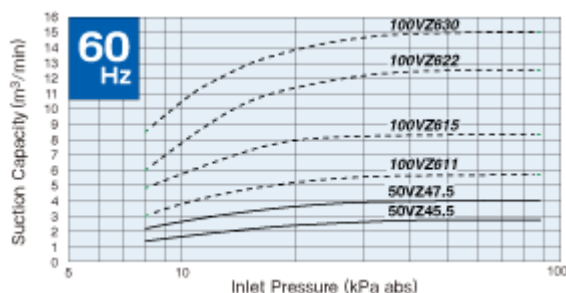
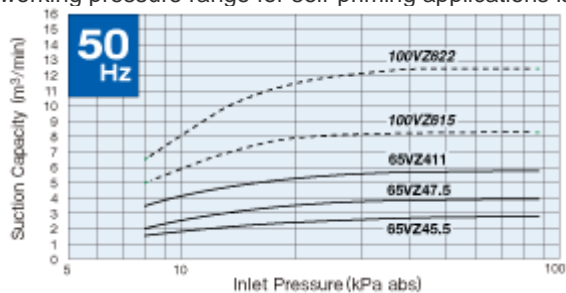
Adoption of a cavitation reducer allows for control of cavitation under closed valve operation.

1. Vacuum Transportation.
2. Vacuum Dewatering.
3. Vacuum Drying.
4. Vacuum Cooling.
5. Distillation, Concentration, Sterilization.
6. Degasification, Impregnation.
7. Other various industrial processes.

Performance Curves

*The following performance figures are pressurized method examples at a seal liquid temperature of 15°C with suction capacity tolerance of $\pm 10\%$.

*The working pressure range for self-priming applications is 8-75 kPa abs.



50Hz Standard Specifications

Bore* (mm)	Model	Pump Model	Motor Output (kW)	Pump Speed (min ⁻¹)	Suction Capacity [Suction Condition] (m ³ /min)						Approx. Seal Liquid Flow Rate	
					Inlet Pressure (kPa abs)						Pressurized* (L/min)	Self-priming (L/min)
					8.0	10.7	14.7	21.3	34.7	88.0		
65×65 (40×40/50×50)	65VZ45.5	65EVZ251	5.5	1450	1.55	1.9	2.2	2.45	2.65	2.75	18	18[21.3kPa abs]
65×65 (50×50)	65VZ47.5	65EVZ252	7.5	1450	2.0	2.65	3.15	3.55	3.8	3.9	20	20[34.7kPa abs]
65×65	65VZ411	65EVZ253	11	1450	3.5	4.25	4.9	5.35	5.7	5.8	25	25[34.7kPa abs]
100×100 (80×80)	100VZ615	100EVZ351	15	970	Available in 2014							
100×100	100VZ622	100EVZ352	22	970	Available in 2014							

*Introduction of the optional accessory "companion flange" make it possible to adjust from the standard bore to a size of ().

*The seal liquid required pressure when pressurizing is 0.1 MPa G.

60Hz Standard Specifications

Bore* (mm)	Model	Pump Model	Motor Output (kW)	Pump Speed (min ⁻¹)	Suction Capacity [Suction Condition] (m ³ /min)						Approx. Seal Liquid Flow Rate	
					Inlet Pressure (kPa abs)						Pressurized* (L/min)	Self-priming (L/min)
					8.0	10.7	14.7	21.3	34.7	88.0		
50×50 (40×40)	50VZ45.5	50EVZ261	5.5	1750	1.35	1.75	2.1	2.45	2.65	2.75	18	18[21.3kPa abs]
50×50	50VZ47.5	50EVZ262	7.5	1750	2.15	2.75	3.25	3.65	3.9	4.0	25	25[21.3kPa abs]
100×100 (65×65/80×80)	100VZ611	100EVZ361	11	1150	Available in 2014							
100×100 (80×80)	100VZ615	100EVZ362	15	1150	Available in 2014							
100×100	100VZ622	100EVZ363	22	1150	Available in 2014							
100×100	100VZ630	100EVZ352	30	1150	Available in 2014							

*Introduction of the optional accessory "companion flange" make it possible to adjust from the standard bore to a size of ().

*The seal liquid required pressure when pressurizing is 0.1 MPa G.

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