



Air compressors and vacuum pumps

RV 063 / 0100

This series is perfectly suited for continuous operation in low operating vacuum ranges such as in vacuum packaging. The compact construction enables the 1RV series rotary vane vacuum pumps to easily fit into existing machines

Application oriented

The 1RV series vacuum pumps are distinguished by high pumping speeds even in low pressure ranges resulting in quick pump-down times. High-quality rotor vanes guarantee long uptimes and the specially-designed air exhaust filters allow excellent oil separation

Easy to service

Maintenance can easily be carried out by the operator. Aside from regular maintenance checks and oil and filter changes, no further maintenance is necessary.

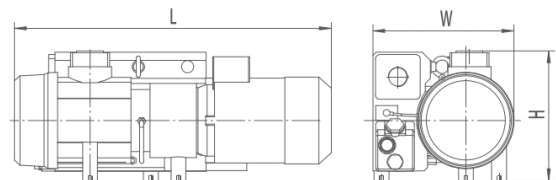
The 1RV series includes many more models than described here. Specialized 1RV models are available for certain applications such as pumping very wet gases and vapors, or discharging oxygen or explosive gases



1RV 0063/0100

Technical description

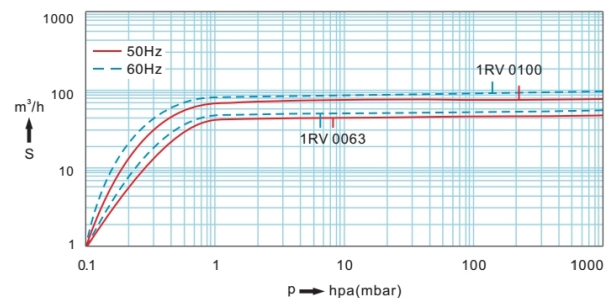
Technical specifications Simplicity of design, operational reliability and high quality are all key features of the rotary vane principle. The consistently high vacuum level in continuous operation is made possible with circulating oil lubrication, well-coordinated materials, and state-of-the-art precision manufacturing. The standard oil separator ensures clean and oil-free exhaust due to its sophisticated extractor system with an integrated oil return. When fitted with a gas ballast (optional), large amounts of water vapor can be processed. A non-return valve in the inlet flange prevents air from flowing back into the vacuum chamber when the vacuum pump is switched off. The pump is driven by a direct flange-mounted IE2 electric motor.



Accessories/technical options

- Gas ballast valve
- Various inlet filters
- Filter pressure gauge
- Oil level switch
- Vacuum relief valve
- Vacuum oil for many application

Pumping speed Air at 20°C . Tolerance: $\pm 10\%$ 50/60Hz





Air compressors and vacuum pumps

Technical Data	Unit	1RV0063		1RV0100	
		50Hz	60Hz	50Hz	60Hz
Rated Nominal Speed	m ³ /h	63	76	100	120
Ultimate Pressure	hPa (mbar)	0.1	0.1	0.1	0.1
Motor Rated Power	kW	1.5	2.2	2.2	3.0
Motor Rated Rotating Speed	min ⁻¹	1500	1800	1500	1800
Sound Level (ISO 2151)	dB(A)	67	68	67	70
Oil Filling	l	2	2	2	2
Gross Weight	kg	55	55	73	73
Dimension (L x W x H)	mm	635x406x289	635x406x289	736x406x289	736x406x289
Inlet/outlet		G 1-1/4" / G 1-1/4"	G 1-1/4" / G 1-1/4"	G 1-1/4" / G 1-1/4"	G 1-1/4" / G 1-1/4"