

Zebra

Rotary Vane Vacuum Pumps RH 0006 - 0030 A



Zebra is the new series of two-stage rotary vane vacuum pumps from Busch for the fine vacuum sector.

Robustness and reliability of operation

Robustness and reliability of operation are the outstanding features of Busch R 5 rotary vane vacuum pumps. This is one reason why this technology has long been established as the industry standard. Over two million of these vacuum pumps are used worldwide every day in industrial environments. With the new series of Zebra rotary vane vacuum pumps, Busch is now offering this proven technology for higher vacuums.

Operationally reliable and cost-effective

The rotary vane technology has been continuously developed and optimised by Busch for 50 years, with a constant focus on both economy and reliability of operation. High efficiency and energy-efficient drive units are the positive results of this development.

Application-orientated

The Zebra vacuum pumps are distinguished by high pumping speeds even in low pressure ranges and therefore fast pump-down times. The two-stage compression with circulating oil lubrication allows ultimate pressures of $2 \cdot 10^{-3}$ hPa (mbar).

Easy to service

It is not necessary to perform any maintenance, apart from changing the oil at the usual service intervals. Small flange connections facilitate a simple and fast connection to the process.

Applications

Zebra rotary vane vacuum pumps can be used whenever reliable fine vacuum is required:

- Mass spectrometers
- Electron microscopes
- Leak detectors
- Coating units
- Coating processes
- Freeze drying
- Fore pumps for turbomolecular pumps



**Zebra – reliable medium vacuum
for demanding applications
in industry and research.**



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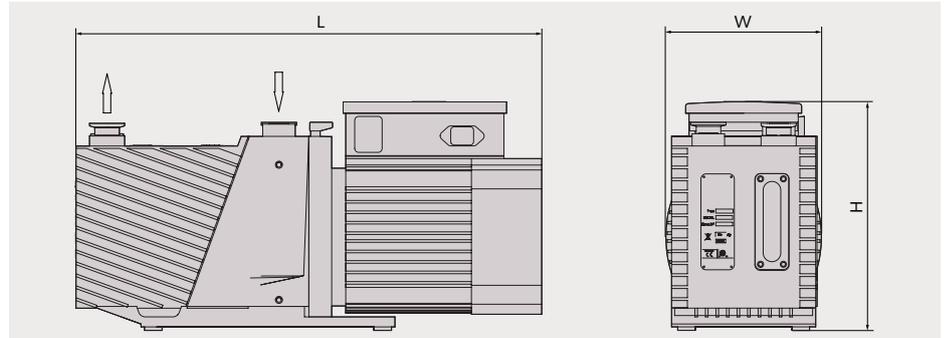
Technical specifications

The rotary vane technology enables technically simple assembly of the vacuum pumps. The consistently high vacuum level in continuous operation is guaranteed by the circulating oil lubrication, perfectly coordinated materials and state-of-the-art and precise manufacturing. The sophisticated oil separator system ensures clean, oil-free exhaust air. When fitted with gas ballast valves, which are integrated as standard, even larger amounts of vapour can be pumped. A non-return valve in the inlet bushing prevents gas from flowing back into the vacuum chamber during the vacuum pump's shut-down period. The motor is fitted with an IEC320 plug so that the vacuum pump can be easily connected with a standard cable.

Accessories/technical options

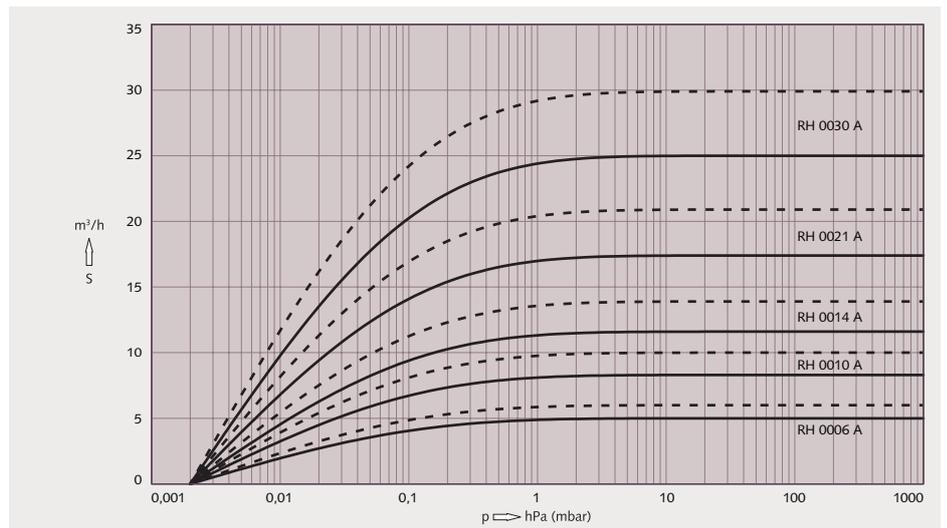
- Oil mist separator with oil return line
- Oil drain kit

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Pumping speed

Air at 20 °C. Tolerance: ± 10% — 50 Hz - - - - 60 Hz



Technical Data			RH 0006 A	RH 0010 A	RH 0014 A	RH 0021 A	RH 0030 A
Nominal pumping speed	50 Hz / 60 Hz	m³/h	5.7 / 6.8	9.6 / 11.5	14.2 / 17.1	20.5 / 24.7	30.2 / 36.4
Ultimate pressure	50 Hz / 60 Hz	hPa (mbar)	2 · 10 ⁻³				
Nominal motor rating	50 Hz / 60 Hz	W	450 / 550	450 / 550	450 / 550	750 / 900	750 / 900
Nominal motor speed	50 Hz / 60 Hz	min ⁻¹	1500 / 1800	1500 / 1800	1500 / 1800	1500 / 1800	1500 / 1800
Weight approx.		kg	22	25	25	35	35
Dimensions	L x W x H	mm	430 x 132 x 212	467 x 132 x 212	467 x 132 x 212	541 x 164 x 242	541 x 164 x 242
Connection flange pressure/suction side		DN	25 KF / 25 KF				

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Technical data is subject to change. Created in Germany 07/0