

ZEBRA RH 0015–0021 B

Two-stage oil-lubricated rotary vane vacuum pumps



Discover all advantages of the product series ZEBRA RH

Reliable

Specially designed for a wide range of applications in the medium vacuum range, robust construction, proven rotary vane vacuum technology

High performance

Stable pumping speed even in low pressure range

Quiet

Perfectly suited for research labs and low-noise working environments, < 60 dB(A) at 50 Hz

Accessories

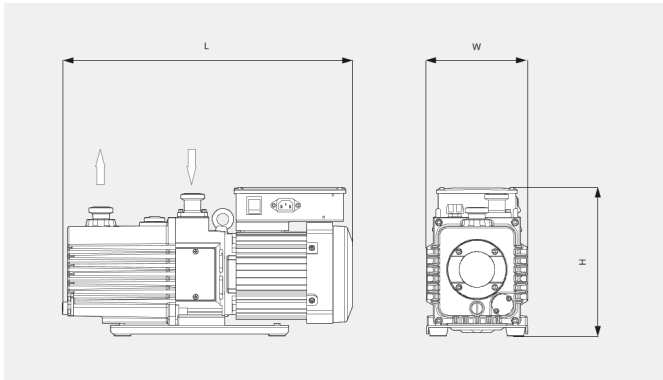
- Inlet filter
- Oil mist separator
- Gas-ballast valve

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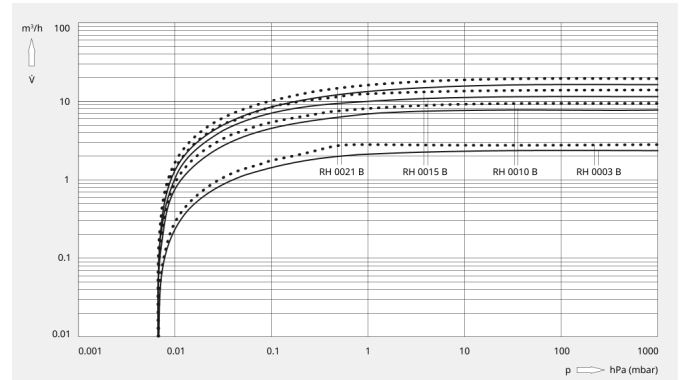


Dimensional drawing



Pumping speed

Air at 20 °C. Tolerance: ± 10%



The following technical values refer to ISO 50 Hz

	ZEBRA RH 0015 B (A)	ZEBRA RH 0015 B (B)	ZEBRA RH 0021 B (A)	ZEBRA RH 0021 B (B)
Pumping speed (m³/h)	12.0 m³/h	12.0 m³/h	16.9 m³/h	16.9 m³/h
Pumping speed (l/min)	200 l/min	200 l/min	280 l/min	280 l/min
Ultimate partial pressure (gas#ballast valve closed)	$6.7 \cdot 10^{-4}$ hPa (mbar)	$6.7 \cdot 10^{-4}$ hPa (mbar)	$6.7 \cdot 10^{-4}$ hPa (mbar)	$6.7 \cdot 10^{-4}$ hPa (mbar)
Ultimate total pressure (gas#ballast valve closed)	$6.7 \cdot 10^{-3}$ hPa (mbar)	$6.7 \cdot 10^{-3}$ hPa (mbar)	$6.7 \cdot 10^{-3}$ hPa (mbar)	$6.7 \cdot 10^{-3}$ hPa (mbar)
Ultimate total pressure (gas#ballast valve open)	$6.7 \cdot 10^{-2}$ hPa (mbar)	$6.7 \cdot 10^{-2}$ hPa (mbar)	$6.7 \cdot 10^{-2}$ hPa (mbar)	$6.7 \cdot 10^{-2}$ hPa (mbar)
Max. back pressure (gauge)	300 hPa (mbar)	300 hPa (mbar)	300 hPa (mbar)	300 hPa (mbar)
Water vapor capacity (gas#ballast valve open)	40 g/h	40 g/h	73 g/h	73 g/h
Motor phase	Single-phase	Three-phase	Single-phase	Three-phase
Nominal motor rating	0.55 kW	0.55 kW	0.75 kW	0.7 kW
Operating voltage	100 – 120 / 200 – 240 V	200 – 240 / 380 – 415 V	115 / 200 – 240 V	200 – 240 / 380 – 415 V
Ambient temperature	7 – 40 °C	7 – 40 °C	7 – 40 °C	7 – 40 °C
Oil	VMA 055	VMA 055	VMA 055	VMA 055
Oil capacity	1.1 l	1.1 l	1.1 l	1.1 l
Noise level (ISO 2151)	< 54 dB(A)	< 52 dB(A)	< 59 dB(A)	< 59 dB(A)

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	ZEBRA RH 0015 B (A)	ZEBRA RH 0015 B (B)	ZEBRA RH 0021 B (A)	ZEBRA RH 0021 B (B)
Weight approx.	31 kg	29 kg	42 kg	34.5 kg
Dimensions (L x W x H)	516 x 170 x 250 mm	514 x 170 x 240 mm	585 x 182 x 271 mm	536 x 181 x 269 mm
Gas inlet	ISO-KF 25	ISO-KF 25	ISO-KF 25	ISO-KF 25
Gas outlet	ISO-KF 25	ISO-KF 25	ISO-KF 25	ISO-KF 25
Marking	cTUVus	cTUVus	cTUVus	cTUVus

The following technical values refer to ISO 60 Hz

	ZEBRA RH 0015 B (A)	ZEBRA RH 0015 B (B)	ZEBRA RH 0021 B (A)	ZEBRA RH 0021 B (B)
Pumping speed (m ³ /h)	14.4 m ³ /h	14.4 m ³ /h	20.2 m ³ /h	20.2 m ³ /h
Pumping speed (l/min)	240 l/min	240 l/min	336 l/min	336 l/min
Ultimate partial pressure (gas#ballast valve closed)	6.7 · 10 ⁻⁴ hPa (mbar)	6.7 · 10 ⁻⁴ hPa (mbar)	6.7 · 10 ⁻⁴ hPa (mbar)	6.7 · 10 ⁻⁴ hPa (mbar)
Ultimate total pressure (gas#ballast valve closed)	6.7 · 10 ⁻³ hPa (mbar)	6.7 · 10 ⁻³ hPa (mbar)	6.7 · 10 ⁻³ hPa (mbar)	6.7 · 10 ⁻³ hPa (mbar)
Ultimate total pressure (gas#ballast valve open)	6.7 · 10 ⁻² hPa (mbar)	6.7 · 10 ⁻² hPa (mbar)	6.7 · 10 ⁻² hPa (mbar)	6.7 · 10 ⁻² hPa (mbar)
Max. back pressure (gauge)	300 hPa (mbar)	300 hPa (mbar)	300 hPa (mbar)	300 hPa (mbar)
Water vapor capacity (gas#ballast valve open)	40 g/h	40 g/h	73 g/h	73 g/h
Motor phase	Single-phase	Three-phase	Single-phase	Three-phase
Nominal motor rating	0.55 kW	0.55 kW	0.9 kW	0.7 kW
Operating voltage	100 – 120 / 200 – 240 V	200 – 240 / 380 – 460 V	115 / 200 – 240 V	200 – 240 / 380 – 460 V
Ambient temperature	7 – 40 °C	7 – 40 °C	7 – 40 °C	7 – 40 °C
Oil	VMA 055	VMA 055	VMA 055	VMA 055
Oil capacity	1.1 l	1.1 l	1.1 l	1.1 l
Noise level (ISO 2151)	< 56 dB(A)	< 55 dB(A)	< 61 dB(A)	< 63 dB(A)
Weight approx.	31 kg	29 kg	42 kg	34.5 kg
Dimensions (L x W x H)	516 x 170 x 250 mm	514 x 170 x 240 mm	585 x 182 x 271 mm	536 x 181 x 269 mm

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VACUUM SOLUTIONS

	ZEBRA RH 0015 B (A)	ZEBRA RH 0015 B (B)	ZEBRA RH 0021 B (A)	ZEBRA RH 0021 B (B)
Gas inlet	ISO-KF 25	ISO-KF 25	ISO-KF 25	ISO-KF 25
Gas outlet	ISO-KF 25	ISO-KF 25	ISO-KF 25	ISO-KF 25
Marking	cTUVus	cTUVus	cTUVus	cTUVus

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