

# ZEBRA RH 0003-0010 B

Two-stage oil-lubricated rotary vane vacuum pumps



## 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, spare parts and options

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

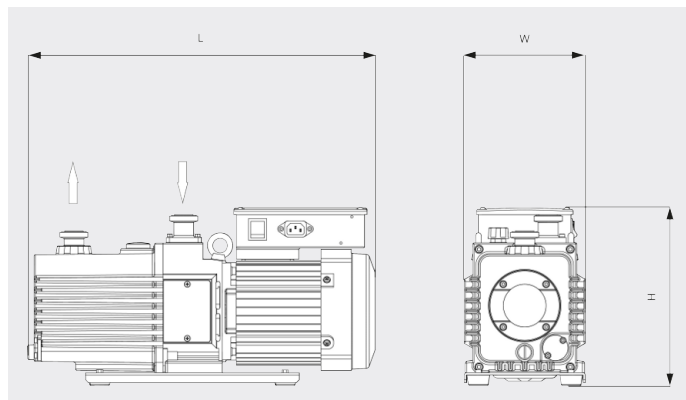
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VACUUM SOLUTIONS

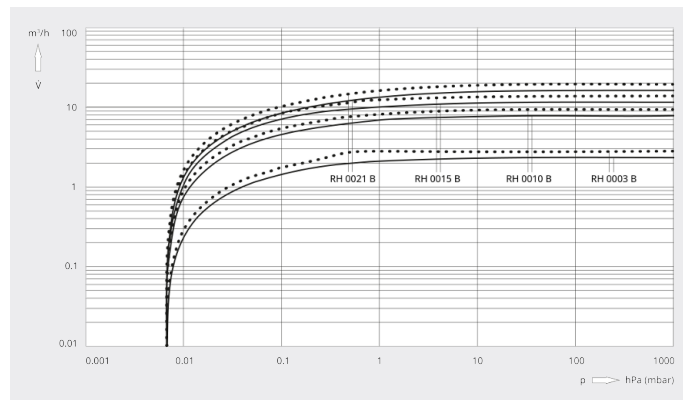
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance:  $\pm 10\%$

— 50 Hz ..... 60 Hz



|                                                      | ZEBRA RH 0003 B                      | ZEBRA RH 0010 B                      | ZEBRA RH 0010 B                                              |
|------------------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------------------------------|
| Pumping speed                                        | 2.4 / 2.9 m³/h (50 / 60 Hz)          | 8.1 / 9.7 m³/h (50 / 60 Hz)          | 8.1 / 9.7 m³/h (50 / 60 Hz)                                  |
| Pumping speed                                        | 40 / 48 l/min (50 / 60 Hz)           | 135 / 162 l/min (50 / 60 Hz)         | 135 / 162 l/min (50 / 60 Hz)                                 |
| 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)                               |
| 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)                               |
| 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)                               |
| Max. continuous inlet pressure                       | 100 hPa (mbar)                       | 100 hPa (mbar)                       | 100 hPa (mbar)                                               |
| Max. back pressure (gauge)                           | 300 hPa (mbar)                       | 300 hPa (mbar)                       | 300 hPa (mbar)                                               |
| Water vapor capacity (gas-ballast valve open)        | 5 g/h                                | 38 g/h                               | 38 g/h                                                       |
| Nominal motor rating                                 | 0.2 kW                               | 0.4 kW                               | 0.4 kW                                                       |
| Operating voltage                                    | 100 – 120 / 200 – 240 V (50 / 60 Hz) | 100 – 120 / 200 – 240 V (50 / 60 Hz) | 200 – 240 / 380 – 415 / 200 – 240 / 380 – 460 V (50 / 60 Hz) |
| Motor phase                                          | Single-phase                         | Single-phase                         | Three-phase                                                  |

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|                        | ZEBRA RH 0003 B                                                                                   | ZEBRA RH 0010 B                                                                                   | ZEBRA RH 0010 B                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Ambient temperature    | 7 – 40 °C                                                                                         | 7 – 40 °C                                                                                         | 7 – 40 °C                                                                                           |
| Oil                    | VSD 026                                                                                           | VMA 055                                                                                           | VMA 055                                                                                             |
| Oil capacity           | 0.8 l                                                                                             | 1 l                                                                                               | 1 l                                                                                                 |
| Noise level (ISO 2151) | < 52 / < 53 dB(A) (50 / 60 Hz)                                                                    | < 52 / < 54 dB(A) (50 / 60 Hz)                                                                    | < 49 / < 52 dB(A) (50 / 60 Hz)                                                                      |
| Weight approx.         | 16 kg                                                                                             | 29 kg                                                                                             | 26 kg                                                                                               |
| Dimensions (L x W x H) | 427 x 150 x 228 mm                                                                                | 488 x 170 x 250 mm                                                                                | 486 x 170 x 250 mm                                                                                  |
| Gas inlet / outlet     | ISO-KF 25 / ISO-KF 25                                                                             | ISO-KF 25 / ISO-KF 25                                                                             | ISO-KF 25 / ISO-KF 25                                                                               |
| Marking                | cTUVus                                                                                            | cTUVus                                                                                            | cTUVus                                                                                              |
| Additional information | <ul style="list-style-type: none"><li>• M/A switch</li><li>• Prefilled with VSD 026 oil</li></ul> | <ul style="list-style-type: none"><li>• M/A switch</li><li>• Prefilled with VMA 055 oil</li></ul> | <ul style="list-style-type: none"><li>• Terminal box</li><li>• Prefilled with VMA 055 oil</li></ul> |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!  
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