

FOSSA FO 0035 B

Scroll vacuum pumps



Robust

Specially designed for analytical and scientific applications, for example leak detection, single-sided scroll design, dry compression, gas-tight, lifetime-lubricated bearings, minimal maintenance

Easy servicing

No special tools necessary, modular design for rapid exchange of stages

Quiet

Low noise and vibration levels, can be installed at workstations

Accessories, spare parts and options

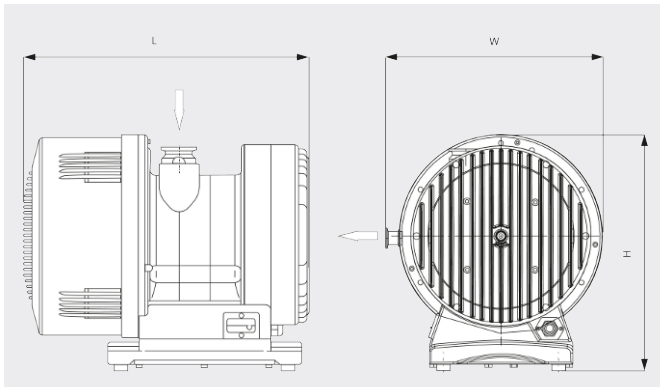
- Inlet filter, FIL 0080
- Gas-ballast valve
- Gas-ballast adapter, dilution kit
- Four castor wheels
- Tip seal replacement kit
- Exhaust filter and silencer

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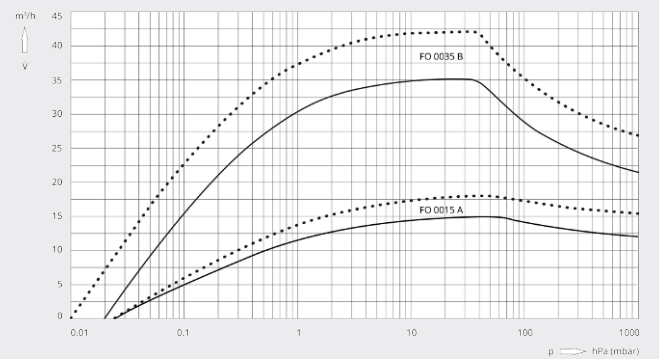
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$

— 50 Hz 60 Hz



| FOSSA FO 0035 B | | FOSSA FO 0035 B |
|--|--|--|
| Pumping speed | 35 / 42 m³/h (50 / 60 Hz) | 35 / 42 m³/h (50 / 60 Hz) |
| Pumping speed | 583 / 700 l/min (50 / 60 Hz) | 583 / 700 l/min (50 / 60 Hz) |
| Ultimate total pressure (gas-ballast valve closed) | 0.01 hPa (mbar) | 0.01 hPa (mbar) |
| Ultimate total pressure (gas-ballast valve open) | 0.09 hPa (mbar) | 0.09 hPa (mbar) |
| Max. continuous inlet pressure | 100 hPa (mbar) | 100 hPa (mbar) |
| Max. back pressure | 200 hPa (mbar) rel. | 200 hPa (mbar) rel. |
| Water vapor capacity (gas-ballast valve open) | 400 g/h | 400 g/h |
| Leakage rate (helium) | $< 1 \cdot 10^{-6}$ mbar · l/s | $< 1 \cdot 10^{-6}$ mbar · l/s |
| Nominal motor rating | 0.75 kW | 0.75 kW |
| Operating voltage | 100 – 240 V (50 / 60 Hz) | 190 – 220 / 380 – 415 V (50 Hz) / 200 – 240 / 380 – 480 V (60 Hz) |
| Motor phase | Single-phase | Three-phase |
| Ambient temperature | 5 – 40 °C | 5 – 40 °C |
| Vibration level at inlet (ISO 10816-1) | Class 1B, < 1.5 mm · s ⁻¹ | Class 1B, < 1.5 mm · s ⁻¹ |
| Noise level (ISO 2151) | 43 dB(A) (idle mode) / 60 dB(A) (max.) | 43 dB(A) (idle mode) / 60 dB(A) (max.) |
| Weight approx. | 50 kg | 50 kg |

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|------------------------|---|--|
| Dimensions (L x W x H) | 462 x 338 x 369 mm | 462 x 338 x 369 mm |
| Gas inlet / outlet | DN 40 ISO-KF / DN 16 ISO-KF | DN 40 ISO-KF / DN 16 ISO-KF |
| Emissions and immunity | EN 61236-1:2013 as a class A device | EN 61236-1:2013 as a class A device |
| Safety | EN/IEC 61010 third edition certified | EN/IEC 61010 third edition certified |
| Additional information | <ul style="list-style-type: none">• Integrated frequency converter• IEC connector + M/A IP40 switch• Sub-D 9-pin, female communication port• ATEX II 3G Ex Ex h IIB T4 Gc X certification (inside) | <ul style="list-style-type: none">• IP44 cable gland• Motor without integrated thermal protection• ATEX II 3G Ex Ex h IIB T4 Gc X certification (inside) |

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!
service_sales@busch.co.il or +972 (0)8 681 04 85



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