

# FOSSA FO 0035 B

Scroll vacuum pumps



VACUUM SOLUTIONS



## 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
- Exhaust filter and silencer
- Gas-ballast valve
- Gas-ballast adapter, dilution kit
- Wheels
- Tip seal replacement kit

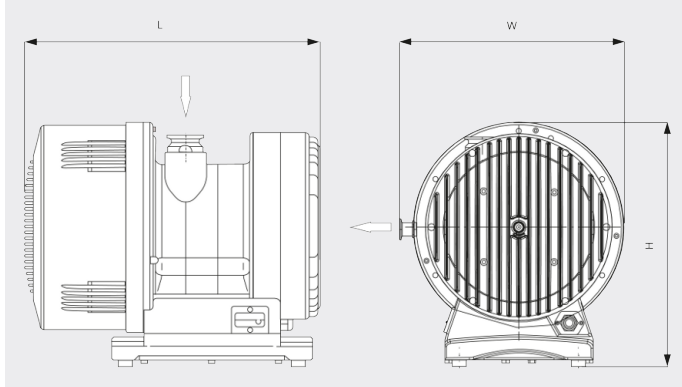
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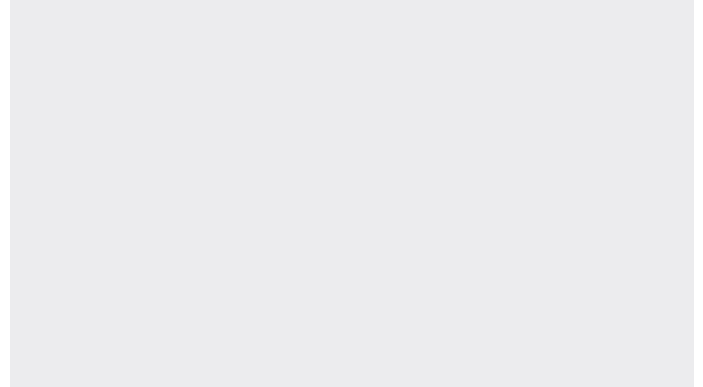
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Dimensional drawing



Pumping speed

Air at 70°F. Tolerance: ± 10%



	FOSSA FO 0035 B	FOSSA FO 0035 B
Pumping speed	24.7 ACFM	24.7 ACFM
Pumping speed	700 l/min	700 l/min
Ultimate total pressure (gas-ballast valve closed)	0.0075 TORR	0.0075 TORR
Ultimate total pressure (gas-ballast valve open)	0.0675 TORR	0.0675 TORR
Max. continuous inlet pressure	75 TORR	75 TORR
Max. back pressure	2.9 PSIG	2.9 PSIG
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	1.0 HP	1.0 HP
Operating voltage	100 – 240 V	200 – 240 / 380 – 480 V
Motor phase	Single-phase	Three-phase
Ambient temperature	41 – 104 °F	41 – 104 °F

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Vibration level at inlet (ISO 10816-1)	Class 1B, < 1.5 mbar · l/s	Class 1B, < 1.5 mbar · l/s
Noise level (ISO 2151)	43 dB(A) (idle mode) / 60 dB(A) (max.)	43 dB(A) (idle mode) / 60 dB(A) (max.)
Weight approx.	110 Lbs.	110 Lbs.
Dimensions (L x W x H)	18.2 x 13.3 x 14.5 inches	18.2 x 13.3 x 14.5 inches
Gas inlet / outlet	NW 40 / NW 16	NW 40 / NW 16
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"><li>• Integrated frequency converter</li><li>• IEC connector + M/A IP40 switch</li><li>• Sub-D 9-pin, female communication port</li><li>• ATEX II 3G Ex Ex h IIB T4 Gc X certification (inside)</li></ul>	<ul style="list-style-type: none"><li>• IP44 cable gland</li><li>• Motor without integrated thermal protection</li><li>• ATEX II 3G Ex Ex h IIB T4 Gc X certification (inside)</li></ul>

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!  
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