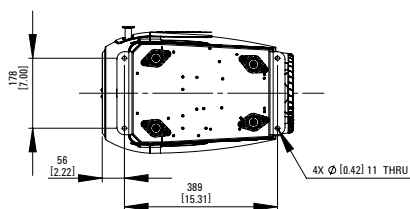
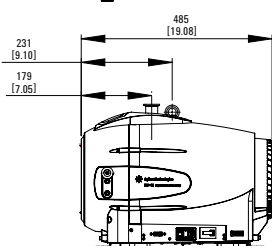
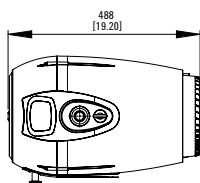
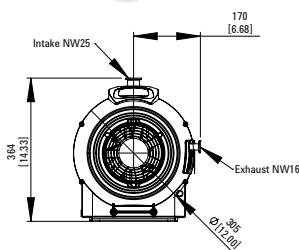


# Agilent IDP-15 Dry Scroll Vacuum Pump

## Data Sheet

The new Agilent IDP-15 dry scroll vacuum pump is designed for extremely quiet (<50 dBA) and low vibration operation, delivering a peak pumping speed of 15.4 m<sup>3</sup>/h at 60 Hz and 12.8 m<sup>3</sup>/h at 50 Hz.

The hermetic design, with the vacuum space completely isolated from the motor and bearings, provides a clean gas path through the pump; therefore eliminating any risk of oil or grease contamination.



Dimensions: millimeters [inches]

### Technical specifications

IDP-15 dry scroll single sided hermetic vacuum pump	
Peak pumping speed	60 Hz: 256 L/min (15.4 m <sup>3</sup> /h) 50 Hz: 214 L/min (12.8 m <sup>3</sup> /h)
Media	No corrosive, explosive or particulate forming gases
Ultimate pressure	1.33 x 10 <sup>-2</sup> mbar (1 x 10 <sup>-2</sup> Torr)
Max. inlet pressure	1.0 atmosphere (0 psig)
Max. recommended continuous inlet pressure	200 mbar (150 Torr)
Max. outlet pressure at nom voltage	1.4 atmosphere (6.5 psig)
Inlet connection	NW25
Exhaust connection	Female 0.25 inch, national pipe thread, (NW16 adapter provided)
Gas ballast	Female 0.25 inch, national pipe thread, (two positions)
Water vapor handling per Pneurop 6602	Gas ballast position 1: 20.7 grams/hr Gas ballast position 2: 235 grams/hr
Ambient operating temperature	5 to 45 °C (41 to 113 °F)
Storage temperature	-20 to 60 °C (-4 to 140 °F)
Motor rating	0.75 HP (560 W)
Operating voltages	100 VAC, 50/60 Hz 115 VAC, 60 Hz 220-230 VAC, 50/60 Hz
Motor thermal protection	Automatic thermal protection
Operating speed	60 Hz: 1725 rpm, 50 Hz: 1450 rpm
Cooling system	Air-cooled
Weight	Pump only: 34 kg (75 lbs), 45 kg (100 lbs)
Dimensions (H x W x L mm)	364 x 333 x 485
Leak rate (with exhaust sealed)	<1 x 10 <sup>-6</sup> sccs (1 x 10 <sup>-6</sup> mbar.l/s)
Noise level	50 +/- 2 dB (A)
Vibration level at inlet	< 9 mms <sup>-1</sup> rms
Hour meter	Integral hour meter provided
Emissions and immunity	EN 61236-1:2013 as a Class A device
Safety	EN/IEC 61010 3rd Edition certified



## Ordering information

### IDP-15 dry scroll pumps and accessories

Description	Part number
IDP-15 dry scroll vacuum pump	X3815-64000
IDP-15 dry scroll vacuum pump with inlet isolation valve	X3815-64010
<b>Service Parts</b>	
IDP-15 tip seal replacement kit	X3815-67000
<b>Accessory Parts</b>	
Shipping box set	X3815-67001
Exhaust silencer kit	EXSLRSH110
Inlet trap	SCRINTRPNW25

### Power cords for IDP-3 AC motor, IDP-7, IDP-10, and IDP-15 vacuum pumps

Description	Part number
Europe, 10 A/220-230 V, 2.5 m	656494220
Denmark, 10 A/220-230 V, 2.5 m	656494225
Switzerland, 10 A/230 V, 2.5 m	656494235
UK/Ireland, 13 A/230 V, 2.5 m	656494250
India, 10 A/220-250 V, 2.5 m	656494245
Israel, 10 A/220-230 V, 2.5 m	656494230
Japan, 12 A/100 V, 2.3 m	656494240
North America, 15 A/125 V, 2.0 m	656458203
North America, 10 A/230 V, 2.5 m	656494255

IDP-15 air/N<sub>2</sub> pumping speed

