Agilent IDP-15
Dry Scroll Vacuum Pump

Data Sheet

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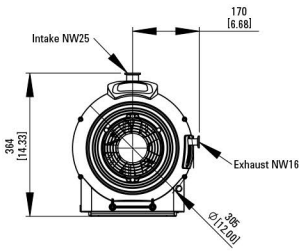
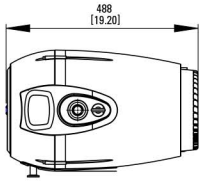
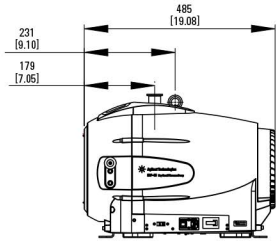
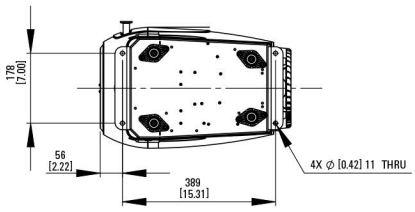
The new Agilent IDP-15 dry scroll vacuum pump is designed for extremely quiet (<50 dBA) and low vibration operation, delivering a peak pumping speed of 15.4 m^3/h at 60 Hz and 12.8 m^3/h at 50 Hz.

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^3/h) 50 Hz: 214 L/min (12.8 m^3/h)
Media	No corrosive, explosive or particulate forming gases
Ultimate pressure	1.33 x 10^{-2} mbar (1 x 10^{-2} 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^{-6} sccs (1 x 10^{-6} mbar.l/s)
Noise level	50 +/- 2 dB (A)
Vibration level at inlet	< 9 mms^{-1} 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

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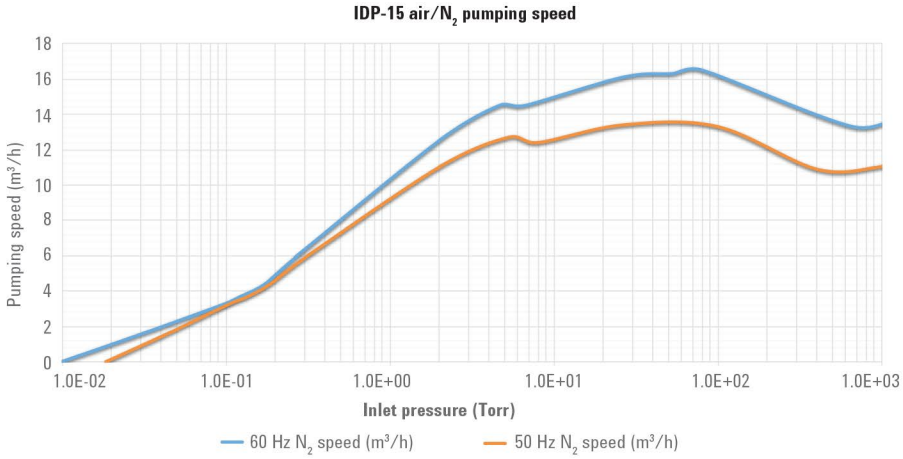
Ordering information

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
Service Parts	
IDP-15 tip seal replacement kit	X3815-67000
Accessory Parts	
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
Isreal, 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



North and South America
Agilent Technologies
121 Hartwell Avenue, Lexington MA 02421, USA
Tel: +1 781 861 7200
Fax: +1 781 860 5437
Toll free: +1 800 882 7426
vpl-customerservice@agilent.com

Europe and other countries
Agilent Technologies Italia SpA
via F.lli Varian 54, 10040 Leini, (Torino), Italy
Tel: +39 011 9979 111
Fax: +39 011 9979 350
Toll free: 00 800 234 234 00
vpt-customerservice@agilent.com

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