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 60Hz; 12.8 m$^3$/h at 50Hz. The hermetic design with the vacuum space completely isolated from the motor and bearings provides a clean gas path through the pump, which eliminates any risk of oil or grease contamination.

### Technical Specifications

**Peak pumping speed:**
- 60 Hz: 256 L/min, 15.4 m$^3$/hr
- 50 Hz: 214 L/min, 12.8 m$^3$/hr

**Media:** Not suitable for use with corrosive, explosive or particulate-forming gases

**Ultimate pressure:** $10 \times 10^{-3}$ Torr (13.3 x 10$^{-3}$ mbar)

**Maximum inlet pressure:** 1.0 atmosphere (0 psig)

**Maximum outlet pressure:** 6.5 psig

**Inlet connection:** NW25

**Exhaust connection:** NW16

**Gas ballast:** 1/4” NPTF (two positions)

**Water vapor handling per Pneurop 6602:**
- Gas Ballast Position 1: 20.7 g/hr
- Gas Ballast Position 2: 235 g/hr

**Ambient operating temp.:** 5 °C to 45 °C (41 °F to 113 °F)

**Storage temperature:** -20 °C to 60 °C (-4 °F to 140 °F)

**Motor rating:** 0.75 HP (560 W)

**Operating voltages:**
- 1Ø/100 VAC, 50/60 Hz
- 1Ø/115 VAC, 60 Hz
- 1Ø/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

**Pump weight:** 34 kg (75 lbs)

**Shipping weight:** 45 kg (100 lbs)

**Dimensions:** 364mm (14.3”) h x 333mm (13.1”) w x 485mm (19.1”) l

**Leak rate**
- <1 x 10$^{-6}$ sccs helium

**Vibration level at inlet:** < 9 mms$^{-1}$ rms

**Noise level:** 50 dBA ± 2dBA

**Conformance standards**
- CE, CSA, RoHS

*(with exhaust and gas ballast sealed)*
Agilent IDP-15 Dry Scroll Vacuum Pump
Data sheet

Ordering Information

Pump Part Numbers
- X3815-64000: IDP15 Scroll Pump, Std
- X3815-64010: IDP15 Scroll Pump, Std w/ini vlv

Service Part Numbers
- X3815-67000: IDP-15 Tip Seal Replacement KIt

Spares Part Numbers
- X3815-67001: Shipping Box Set, IDP-15

Accessories:
- SCRINTRPNW25: Inlet Trap, NW25, HEPA
- EXSLRSH110: Exhaust Silencer Kit, SH110

Line Cords:
- 656494220: Europe, 10A/220-230V, 2.5 meter
- 656494225: Denmark, 10A/220-230V, 2.5 meter
- 656494235: Switzerland, 10A/230V, 2.5 meter
- 656494250: UK/Ireland, 13A/230V, 2.5 meter
- 656494245: India, 10A/220-250V, 2.5 meter
- 656494230: Isreal, 10A/220-230V, 2.5 meter
- 656494240: Japan, 12A/100V, 2.3 meter
- 656458203: North America, 15A/125V, 2.0 meter
- 656494255: North America, 10A/230V, 2.5 meter

Pumping Speed

![Graph showing the pumping speed vs. pressure in mbar](image)

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