

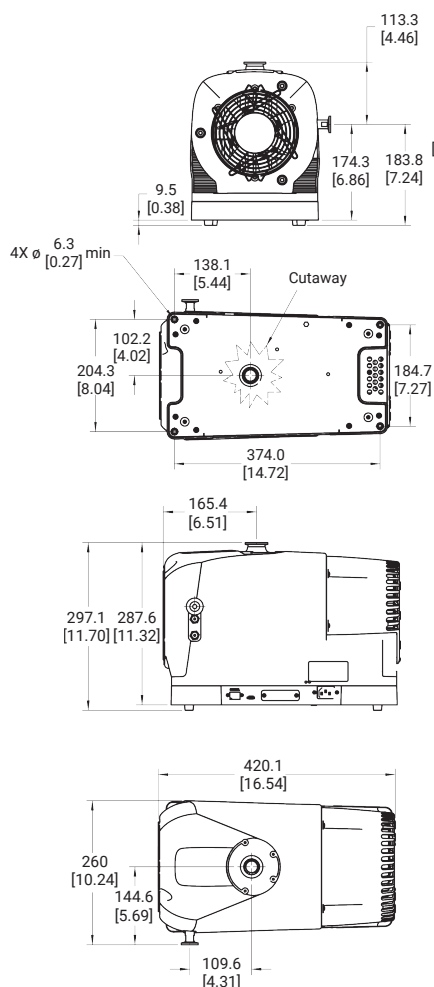
Agilent IDP-10 Dry Scroll Vacuum Pump



The Agilent IDP-10 dry scroll pump is a compact, high performance, oil-free vacuum pump that is easy to maintain. The inverter-driven motor provides uniform vacuum performance at all global frequencies and input voltages.

The hermetic design, with the motor and all bearings completely isolated from the vacuum, extends the bearing life and provides a clean, dry vacuum. An optional integral inlet protection valve, built into the pump module, is available and adds no additional height to the pump.

Technical specifications



Dimensions: millimeters [inches]

IDP-10 Dry Scroll Vacuum Pump	
Peak Pumping Speed	170 L/min (10.2 m ³ /h) at full speed
Media	No corrosive, explosive, or particulate forming gases
Ultimate Pressure	2.0×10^{-2} mbar (1.5×10^{-2} Torr)
Maximum Inlet Pressure	1.0 atmosphere (0 psig)
Maximum Recommended Continuous Inlet Pressure	400 mbar (300 Torr)
Maximum Outlet Pressure at Nominal Voltage	1.34 atmosphere (5 psig)
Inlet Connection	NW25
Exhaust Connection	NW16
Gas Ballast	Female, 0.25 inch, national pipe thread, (20 μ m sintered plug provided) SAE-2 5/16-24
Water Vapor Handling per Pneurop 6602	120 g/hr maximum
Ambient Operating Temperature	5 to 40 °C (41 to 104 °F)
Storage Temperature	-20 to 60 °C (-4 to 140 °F)
Motor Rating	0.5 HP (350 W); 3 ϕ inverter driven
Operating Voltages	100 to 127; 200 to 240 VAC, 50/60 Hz
Motor Thermal Protection	Automatic thermal protection
Operating Speed	63.33 Hz: 1,900 rpm; 45 Hz: 1,350 rpm
Cooling System	Air-cooled
Weight	Pump only: 24.74 kg (54.5 lbs), shipping weight: 28.1 kg (62 lbs)
Dimensions (H $\times$ W $\times$ L)	297 $\times$ 260 $\times$ 420 mm
Leak Rate (with Exhaust Sealed)	$< 1 \times 10^{-6}$ sccs (1×10^{-6} mbar l/s)
Noise Level	53 $\pm$ 2 dB (A)
Vibration Level at Inlet	7 mm s ⁻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-10 Dry Scroll Pumps and Accessories	
Description	Part Number
IDP-10 Dry Scroll Vacuum Pump	X3810-64000
IDP-10 Dry Scroll Vacuum Pump with Inlet Isolation Valve	X3810-64010
Service Parts	
IDP-7 and IDP-10 Tip Seal Replacement Kit	X3807-67000
Accessory Parts	
Exhaust Silencer Kit	X3807-68003
Purge Kit	X3807-68004
Gas Ballast Kit	X3807-68008
Inlet Trap	SCRINTRPNW25
Vibration Isolation Kit	SH110VIBISOKIT

Power Cords for IDP-3 with 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

