

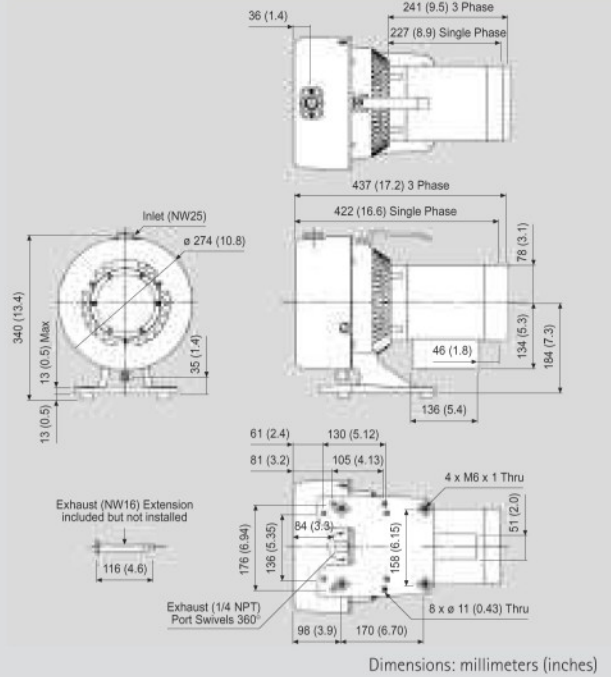
Varian TriScroll 300 Dry Scroll Vacuum Pump

TriScroll 300



\$5,590.00

Outline Drawing



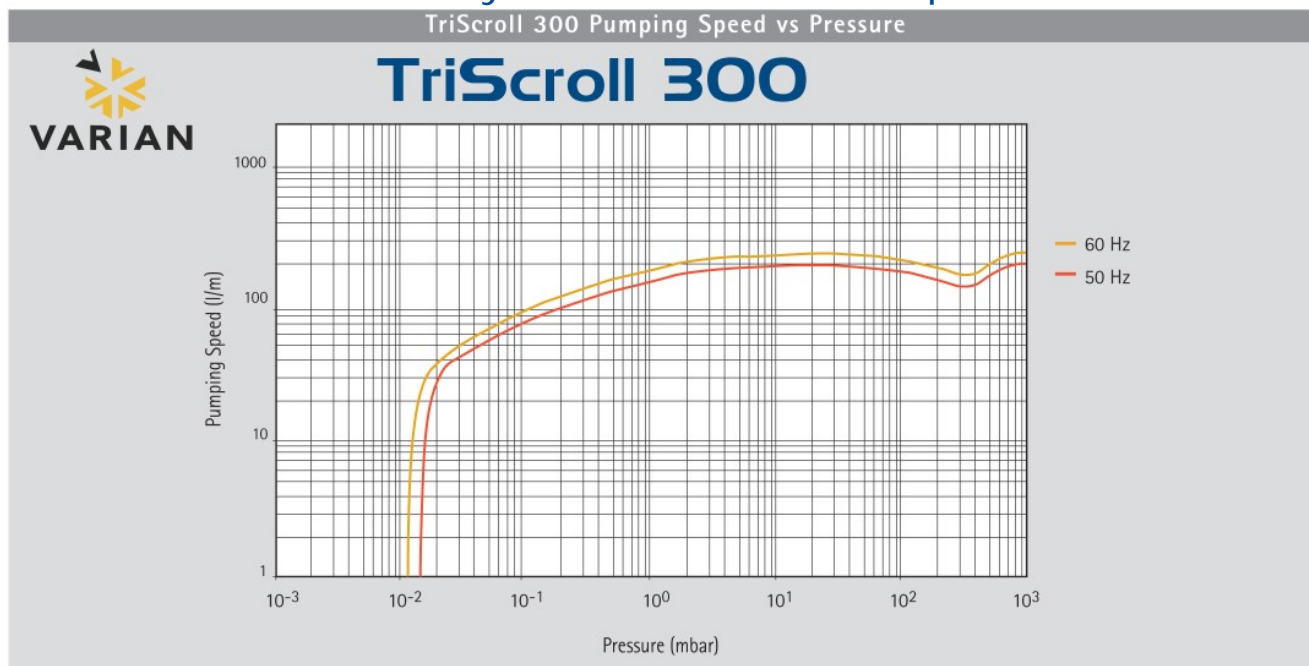
Technical Specifications

Peak pumping speed	50 Hz: 210 l/m, 12.6 m ³ /hr (7.4 cfm);	60 Hz: 250 l/m, 15 m ³ /hr (8.8 cfm)
Media	Clean atmospheric gases Not suitable for toxic, corrosive, explosive, or particulate forming gases.	
Ultimate pressure	1.3 x 10 ⁻² mbar (10 ⁻² Torr)	
Maximum inlet pressure	1.0 atmosphere (0 psig)	
Maximum outlet pressure	1.1 atmosphere (1.5 psig)	
Inlet Connection	NW25	
Exhaust Connection	1/4" Female NPT with swivel (NW16 adapter provided)	
Gas ballast	1/4" Female NPT (40 micron sintered filter provided)	
Ambient operating temperature	5 °C to 40 °C (41 °F to 104 °F)	
Storage temperature	-20 °C to 60 °C (-4 °F to 140 °F)	
Motor rating (1 phase)	0.75 HP (0.56 kW)	
Operating Voltages	Single phase models: 50-60 Hz/100-115:200-230 VAC Three phase models: 50 Hz/200-230:380-415 VAC; 60 Hz/200-230:460 VAC	
Motor thermal protection	Type U automatic	
Operating speed	50 Hz: 1425 RPM; 60 Hz: 1725 RPM	
Cooling system	Air-cooled	
Weight	Pump only: 26.4 kg (58 lbs) Shipping weight: 34.2 kg (75 lbs)	
Noise level (per ISO 11201)	68 dB(A)	
Vibration level (per ISO 10816-1)	6.3 mm/sec	
Certification	CE marked Motor: UL, CSA	



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 Albuquerque, NM 87107
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Varian TriScroll 300 Dry Scroll Vacuum Pump



TriScroll Dry Primary Pumps are multi-stage dry vacuum pumps designed and manufactured by Varian for high reliability. The TriScroll pumps produce oil-free vacuum at high speed and low ultimate pressure. The unique patented TriScroll features provide proven reliability and durability leading to superior cost of ownership and consistent performance.



Unique TriScroll™ Design
Delivers high pumping speed and achieves low ultimate pressure, within a compact design.

Drying Ovens Scroll pumps eliminate the risk of backstreaming hydrocarbon oil into the oven system. The gas ballast feature guarantees reliable operation where water vapor is to be pumped.

Scanning Electron Microscopes Varian scroll pumps provide clean and reliable dry vacuum, ideal for maintaining the critical condition of instrument columns.

Load Locks and Transfer chambers Scroll pumps are proven as a highly reliable and low maintenance choice for clean dry pumping in production equipment on load locks and transfer chambers.

Primary backing pump for turbo systems The ideal selection for backing high vacuum turbo pumps, eliminating the risk of system contamination.

Ordering Information

Description	Part Number
TriScroll 300 dry scroll primary pump, single phase motor, US cord	PTS03001UNIV
TriScroll 300 dry scroll primary pump, single phase motor, Euro cord	PTS03001UNIVEU
TriScroll 300 dry scroll primary pump, single phase motor, UK cord	PTS03001UNIVUK
TriScroll 300 dry scroll primary pump, three phase motor	PTS03003UNIV
TriScroll 300, single phase, with Vacuum Pump Isolation Valve (VPI), 120 VAC	PTS03001UVPI*
TriScroll 300, single phase, with VPI, 220 VAC, EU power cord	PTS03001UVPIEU
TriScroll 300, three phase, with VPI, 200 VAC	PTS03003200VPI
TriScroll 300, three phase, with VPI, 230 VAC	PTS03003230VPI
TriScroll 300, three phase, with VPI, 380/415 VAC	PTS03003380415VPI
TriScroll 300, three phase, with VPI, 460 VAC	PTS03003460VPI



To Our Website
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