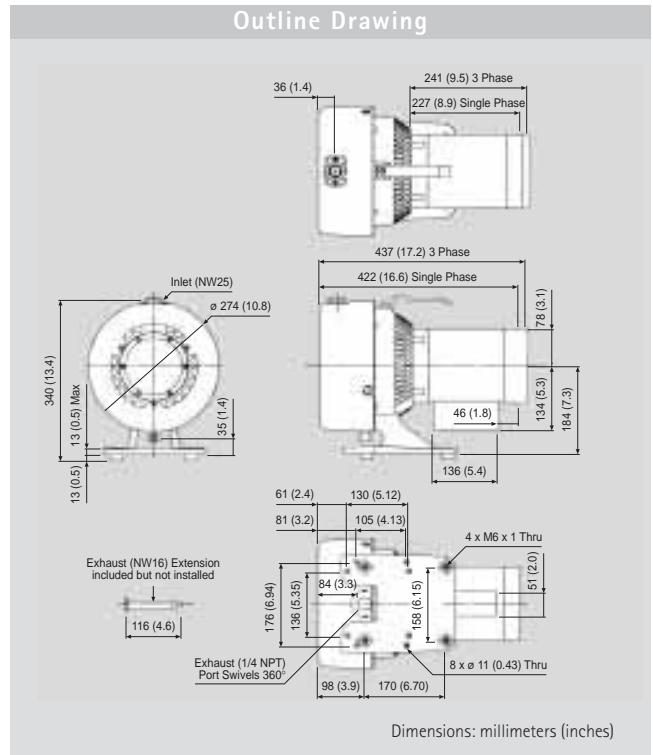


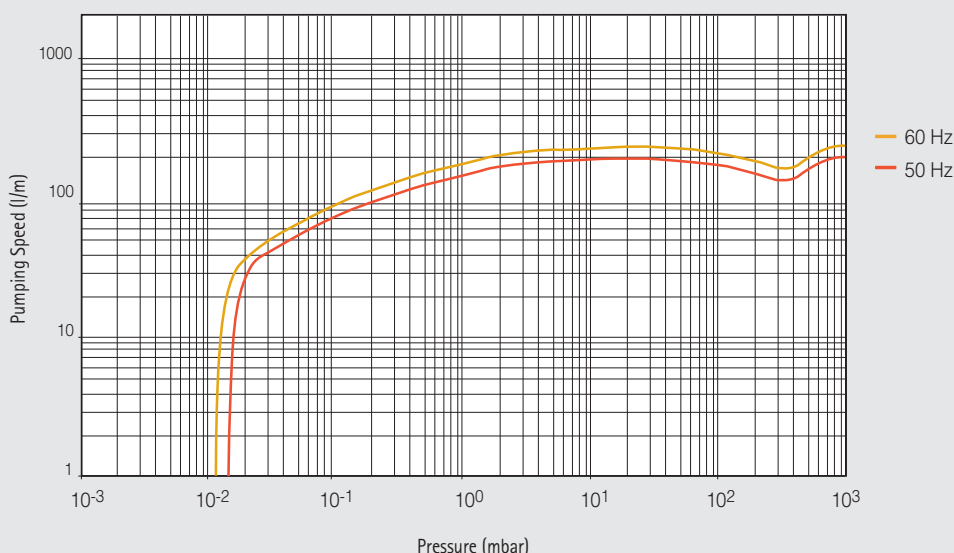
TriScroll 300



Technical Specifications

Peak pumping speed	50 Hz: 210 l/m (7.4 cfm); 60 Hz: 250 l/m (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

TriScroll 300 Pumping Speed vs Pressure



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

Products for maintaining your TriScroll pump

Maintenance kit	PTSS0300MK
Maintenance tool kit	PTSS0600TK
Replacement tip seal set	PTSS0300TS
TS300/600 tip seal tool kit	PTSTSTKIT
Single phase exchange pump	EXPPTS03001
Single phase exchange pump, Euro cord	EXPPTS03001UNIVEU
Single phase exchange pump, UK cord	EXPPTS03001UNIVUK
Three phase exchange pump	EXPPTS03003
Exchange pump module	EXPTS0300SC

Accessories

Purge kit, TriScroll	PTSPURGEKIT
Three phase cable kit	S4789001
TS300 exhaust extension	S4707002
TS300 exhaust filter kit	PTS300EXFIL

*Contact Varian for other voltages.