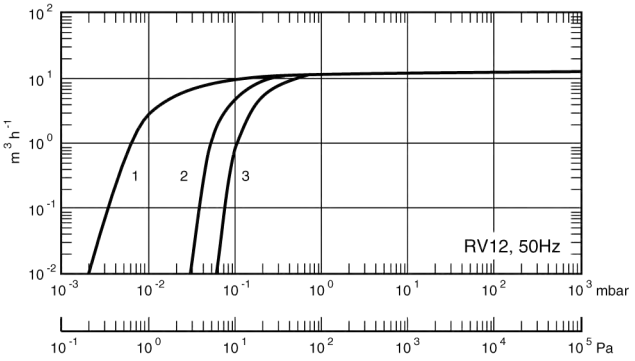
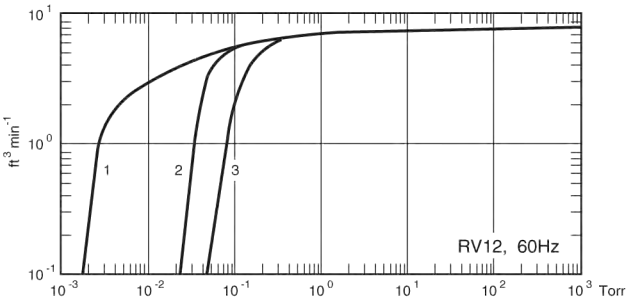
RV12 ROTARY VANE PUMP
14.2 m^3h^{-1}, 8.4 ft^3min^{-1}, 237 l min^{-1}



1 50 Hz high vacuum mode, gas ballast = 0
2 50 Hz high throughput mode, gas ballast = 0 and high vacuum mode, gas ballast = I
3 50 Hz high vacuum and high throughput modes, gas ballast = II



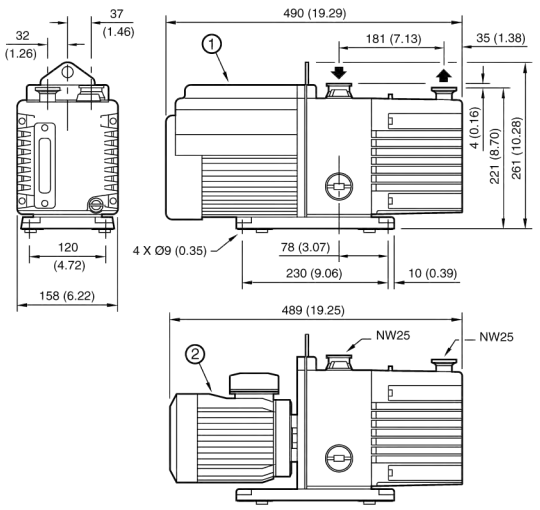
1 60 Hz high vacuum mode, gas ballast = 0
2 60 Hz high throughput mode, gas ballast = 0 and high vacuum mode, gas ballast = I
3 60 Hz high vacuum and high throughput modes, gas ballast = II

TECHNICAL DATA

Displacement	
50 Hz operation	14.2 m^3h^{-1} / 8.4 ft^3min^{-1}
60 Hz operation	17.0 m^3h^{-1} / 10 ft^3min^{-1}
Speed (Pneurop 6602)	
50 Hz operation	12.0 m^3h^{-1} / 7.1 ft^3min^{-1}
60 Hz operation	14.2 m^3h^{-1} / 8.4 ft^3min^{-1}

	ULTIMATE VACUUM (TOTAL PRESSURE)	
GAS BALLAST	**HIGH VACUUM MODE**	**HIGH THROUGHPUT MODE**
Closed	2 x 10^{-3} mbar / 1.5 x 10^{-3} Torr	3 x 10^{-2} mbar / 2.3 x 10^{-2} Torr
Low flow, I	3 x 10^{-2} mbar / 2.3 x 10^{-2} Torr	4 x 10^{-2} mbar / 3 x 10^{-2} Torr
High flow, II		6 x 10^{-2} mbar / 4.6 x 10^{-2} Torr

Inlet connection	NW25
Outlet connection	NW25
Maximum allowed outlet pressure	1 bar gauge / 14 psig
Maximum allowed inlet and gas ballast pressure	0.5 bar gauge / 7 psig
Maximum water vapor inlet pressure	32 mbar / 24 Torr
Maximum water vapor pumping rate	
Gas ballast low flow	60 g h^{-1}
Gas ballast high flow	290 g h^{-1}
Motor power	
50Hz	450 W
60Hz	550 W
Electrical supply	
1-phase	110-120 V or 220-240 V, 50 or 60 Hz
3-phase	200-230 V or 380-460 V, 50 or 60 Hz
Operating temperature range	12 – 40 °C
Weight, without oil	26.3 kg / 58 lbs
Noise	48 dB(A) @ 50 Hz
Oil capacity	
Maximum	1.0 liter
Minimum	0.65 liter
Recommended oil (supplied)	Ultragrade 19



1 1-phase motor **2** 3-phase motor