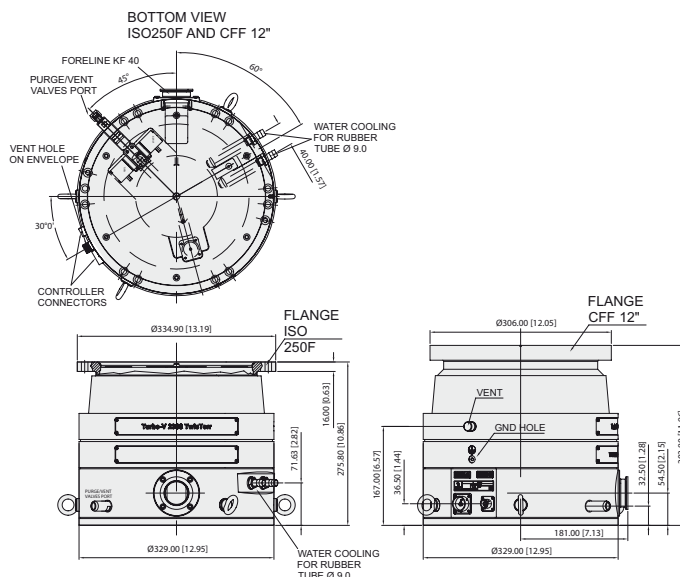


# AGILENT TURBO PUMP MODELS

## ▶ Agilent Turbo-V 2300 TwisTorr Rack



### Technical Specifications

#### Vacuum Performances

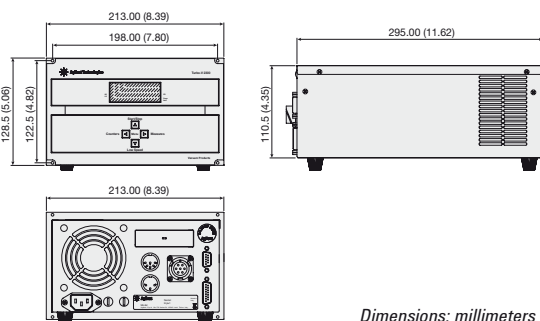
Pumping speed for N <sub>2</sub> (*)	2050 l/s
Pumping speed for He (*)	1800 l/s
Pumping speed for H <sub>2</sub> (*)	1500 l/s
Compression ratio for N <sub>2</sub>	>8 x 10 <sup>8</sup>
Compression ratio for He	8 x 10 <sup>5</sup>
Compression ratio for H <sub>2</sub>	4 x 10 <sup>4</sup>
Base pressure* (with recommended forepump)	10 <sup>-10</sup> mbar (7.5 x 10 <sup>-11</sup> Torr) (**)
Max foreline pressure for N <sub>2</sub>	4 mbar
Inlet Flange	ISO 250F, CFF 12" O.D.
Foreline flange	KF 40 NW

#### Other

Nominal rotational speed	33300 rpm
Start-up time without gas load and with the recommended forepump	< 6 minutes
Minimum recommended forepump	TriScroll 600
Operational position	Any
Operating ambient temperature	+5 °C to +35 °C
Bakeout temperature	120 °C (CFF), 80 °C (ISO)
Max rotor temperature	120 °C
Vibration level (displacement)	< 0.01 μm at inlet flange
Lubricant	Permanent lubrication
Cooling requirements	Water
Coolant water	Recommended flow: 200 l/h Temperature: +15 °C to +30 °C Pressure: 3 to 5 bar (45 to 75 psi)
Noise level	<60 dB(A) at 1 meter
Storage temperature	-20 °C to +70 °C
Environment protection	IP54
Weight	ISO 250: 54.2 kg (119.5 lbs) CFF 12": 55.3 kg (121.9 lbs)

(\*): WITHOUT INLET SCREEN

(\*\*): According to standard DIN 28 428, the base pressure is that measured in a leak-free test dome, 48 hours after the completion of test dome bake-out, with a Turbopump fitted with a CFF flange and using the recommended pre-vacuum pump

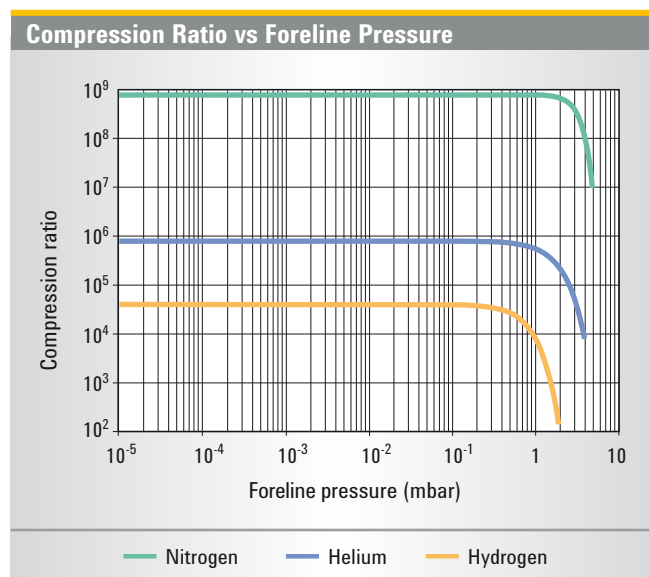
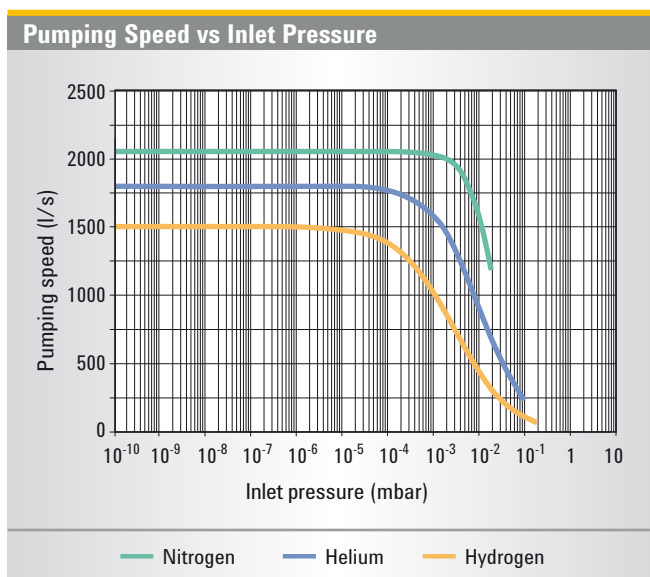


Dimensions: millimeters (inches)

#### Controller Specifications

Input voltages	100-120 VAC, 220-240 Vac, 1-phase
Input frequency	50 - 60 Hz
Maximum input power	1300 VA
Output voltage	64 Vac
Output frequency	555 Hz
Output Power starting	560 W maximum
Output Power normal	450 W maximum
Weight (both models)	12.5 kg (28 lbs)
Installation category	II
Pollution degree	2

# TURBO PUMPS



## Ordering Information

Pump	Part Number
Agilent Turbo-V 2300 TwisTorr ISO250F Rack	9696000
Agilent Turbo-V 2300 TwisTorr CFF12" OD Rack	9696001

### Controllers\*

Agilent Turbo-V 2300 Rack controller, 100-240 V	X3501-64004
Agilent Turbo-V 2300 Pump-Controller Cable kit, 5 m, for pump and vent valve operation	X3501-68003

(\*): Please note that rack controllers do not include the Pump-Controller Cable Kit

### Accessories

Mains cable NEMA Plug, 3 m long	9699958
Mains cable European Plug, 3 m long	9699957
Center-ring ISO 250	9699144
Inlet screen DIN ISO 250 // CFF12" AISI	9699350
Water cooling kit for 6x8 (IDxOD) flexible tube	9699348
Water cooling kit for 3/8 in. ID flexible tube	9699338