



ExploraVAC System Data Sheet

		Part Number	P1012094	Environmental Testing Vacuum Test System
		Comments/Notes		
System Platform	ExploraVac Base System			
Vacuum Chamber				
Size	24 x 24 x 24 in (61 x 61 x 61 cm)	Internal dimensions		
Material	304 stainless steel	Welded chamber		
Volume	8 cu ft (226 L)	Internal volume		
Vacuum Pumping				
Rough Pump	Edwards nXDS20i	Dry scroll pump		
Roughing Speed	13.0 cfm (22.0 m ³ hr ⁻¹) **			
Turbo Pump	N/A*			
Turbo Speed	N/A*,**			
Vacuum Gauges				
Gauge Models	Granville 475 single Convectron			
Measurement Range	1x10 ⁻⁴ Torr to atmosphere			
Control Interface	Integrated button panel	Illuminated tactile controls		
System Pressure				
Operating Pressure	2x10 ⁻² Torr to 1 atmosphere			
Altitude Control	250,000 ft to local elevation	Button panel setpoint control		
Thermal Platen				
Temperature Range	-70 °C to 400 °C			
Heating Power	5000 W	Resistive heating		
Cooling Power	600 W**	Cascade refrigerated, closed loop		
System Package				
System Weight	1225 lbs (556)	Approximate dry weight		
System Size	33 x 36 x 72 in (84 x 91 x 183 cm)			
Onboard Air Source	N/A*			
System Power				
Input Voltage	208-240 VAC w/neutral, single phase			
Input Frequency	50-60 Hz			
Input Current	50 Amps (at max load)			
Recommended Service	50 Amps, 220 Volts			
Operating Environment				
Temperature	50 °F to 86 °F (10 °C to 30 °C)	Ambient room temp		
Humidity	5% - 80%			
Connections				
Chamber Vent	KF-16 (to atmosphere)	Chamber vents to atmosphere		
Chamber Gas Purge	½" Swagelok (to gas source)	250 psig max input		
Pump Exhaust	KF-25	Connectable to facility exhaust		

*Options marked as N/A are not included in this system build.

**Peak capability shown. Refer to detailed option specifications for performance curve data.

Ideal Vacuum Products, LLC
5910 Midway Park Blvd NE
Albuquerque, NM 87109 USA

Phone: 505-872-0037
Fax: 505-872-9001
info@idealtvac.com
www.idealtvac.com

