



ExploraVAC MAX System Data Sheet

Part Number		P1012107	Environmental Simulation Vacuum Test System
		Comments/Notes	
System Platform	ExploraVac MAX System		
Vacuum Chamber			
Size	24 x 24 x 24 in (30 x 30 x 30 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 touch screen	AutoExplor Software	
System Pressure			
Operating Pressure	2x10 ⁻² Torr to 1 atm		
Altitude Control	250,000 ft to local elevation	Software 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	
Chamber Heating			
Temperature Range	N/A*		
Heating power	N/A*		
System Package			
System Weight	1450 lbs (658 kg)	Approximate dry weight	
System Size	33 x 36 x 80 in (84 x 91 x 203 cm)		
Onboard Air Source	N/A*		
System Power			
Input Voltage	208-240 VAC, 50-60 Hz	w/neutral, single phase	
Input Current	50 Amps (at max load)		
Recommended Service	50 Amps, 220 Volts		
Operating Environment	50 °F to 86 °F (10 °C to 30 °C) 5% - 80% Humidity	Ambient room conditions	
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.