



## ExploraVAC System Data Sheet

<b>Part Number</b>	P1012097	Freeze Drying Vacuum System
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		<b>Comments/Notes</b>
<b>System Platform</b>	ExploraVac Base System	
<b>Vacuum Chamber</b>		
Size	20 x 20 x 20 in (51 x 51 x 51 cm)	Internal dimensions
Material	304 stainless steel	Welded chamber
Volume	4.6 cu ft (130 L)	Internal volume
<b>Vacuum Pumping</b>		
Rough Pump	Edwards nXDS20iC	Dry scroll pump, corrosive rated
Roughing Speed	13.0 cfm (22.0 m <sup>3</sup> hr <sup>-1</sup> ) **	
Turbo Pump	N/A*	
Turbo Speed	N/A*, **	
<b>Vacuum Gauges</b>		
Gauge Models	Granville 475 single Convectron	
Measurement Range	1x10 <sup>-4</sup> Torr to atmosphere	
<b>Control Interface</b>	Integrated button panel	Illuminated tactile controls
<b>System Pressure</b>		
Operating Pressure	2x10 <sup>-2</sup> Torr to 1 atmosphere	
Altitude Control	N/A*	
<b>Thermal Platen</b>		
Temperature Range	-70 °C to ambient	
Heating Power	N/A*	
Cooling Power	600 W**	
<b>System Package</b>		
System Weight	950 lbs (431 kg)	Approximate dry weight
System Size	33 x 36 x 68 in (84 x 91 x 173 cm)	
<b>Onboard Air Source</b>	150 psi regulated, 2 gallon capacity	Power for pneumatic valves
<b>System Power</b>		
Input Voltage	208-240 VAC w/neutral, single phase	
Input Frequency	50-60 Hz	
Input Current	30 Amps (at max load)	
Recommended Service	30 Amps, 220 Volts	
<b>Operating Environment</b>		
Temperature	50 °F to 86 °F (10 °C to 30 °C)	Ambient room temperature
Humidity	5% - 80%	
<b>Connections</b>		
Chamber Vent	KF-16 (to atmosphere)	Chamber vents to atmosphere
Chamber Gas Purge	N/A*	
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.

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