

Technical Information

Performance Specifications

Model	IP-80	IP-100
Temperature Range	-80° to -40°C	-100° to -60°C
Temperature Set Point	Fixed at -80°C	Fixed at -100°C
Readout Accuracy	±1.0°C	
Compressors	Two nominal ½ HP low back pressure reciprocating compressors	
Cooling Probe Assembly	6 ft. / 1.83 m flexible hose	
Cooling Probe	Rigid Coil 1.75 in. / 4.44 cm diameter; 7.0 in. / 17.8 cm length	Rigid Coil 3 in. / 7.62 cm diameter; 9.0 in. / 22.9 cm length Rigid Cold Finger 0.75 in. / 1.91 cm diameter; 3.75 in. / 9.53 cm length Flexible Cold Finger 0.625 in. / 1.59 cm diameter; 15 in. / 38.1 cm length
Dimensions (H x W x D)	21 x 15 x 20.125 in. / 53.34 x 38.1 x 51.12 cm	
Electrical Requirements:	120V, 60Hz, 12A 230V, 50Hz, 7.5A 100V, 50Hz, 12A 100V, 60Hz, 12A (step-up transformer required)	

Environmental Conditions: For indoor use only
 Maximum altitude: 6562 ft. / 2000 m
 Relative humidity: 80% for temperatures up to 95°F / 35°C
 Over voltage: ±10%
 Nominal ambient: 68°F / 20°C
 Maximum recommended operating ambient: 95°F / 35°C
 Installation Category II
 Pollution Degree 2

	<p>WARNING: IMPORTANT INFORMATION FOR 100V APPLICATIONS On 100V 50Hz applications a step-up transformer IS NOT NEEDED and MUST NOT be used. On 100V 60Hz applications a step-up transformer MUST be used.</p>
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