



CTI 9700A

Technical Specifications

Specification	Description
Part Number 8135924G001 8135924G002 8135924G003 8135924G004	2-phase output with PSI gauge 2-phase output with kPa gauge and GFI 3-phase output with PSI gauge 3-phase output with kPa gauge and GFI
Input Power Cable (Customer Supplied)	600 VAC 10 Gauge, 3 conductor wire with ground Must conform to local electrical codes
Nominal Helium Pressure	Refer to Table 4-1 .
Ambient Operating Temperature Range	50 - 100° F (10 - 38° C)
Interface	Cryopump Power Receptacle mates with the CTI-CRYOGENICS supplied cryopump power cable for single pump use. Mates with remote junction box power cable for multiple cryopump use.
Gas Supply Connector	1/2 in. Aeroquip self-sealing coupling
Gas Return Connector	1/2 in. Aeroquip self-sealing coupling
Remote Control Receptacle	24VAC, 2.7A inductive mates with P5 connector P/N MS3106A ¹
Adsorber Service Schedule	3 years

NOTE: The 9700A Compressor is designed for continuous operation and should remain ON when the cryopumps are in a regeneration cycle.



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PHONE: 831-462-8900

FAX: 831-462-3536

WWW.PROVAC.COM

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Technical Specifications cont.

Cooling Water Specifications

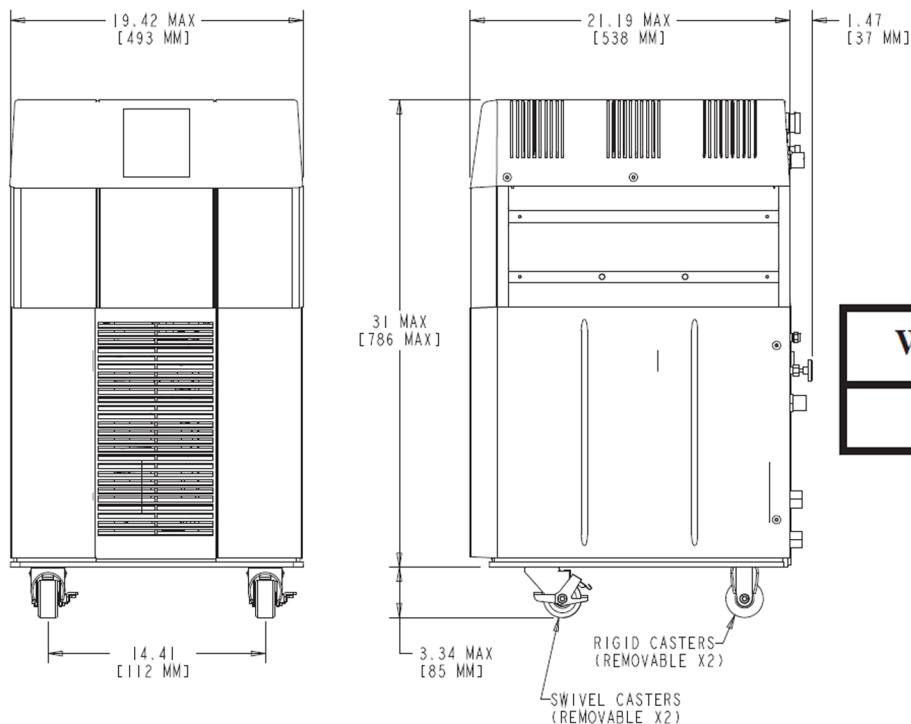
Parameter	Value
Maximum Inlet Temperature ¹	90°F (32°C)
Minimum Inlet Temperature	50°F (10°C)
Flow Rate	3.0 ± 1.0 gpm (11.4 ± 3.8 lpm)
Pressure Drop (inlet-to-outlet)	See Figure 1-3
Maximum Inlet Pressure	100 psi (6.9 bars)
Alkalinity	6.0 - 8.0 pH
Calcium Carbonate	< 75 ppm

Electrical Input Specifications

Parameter	60 Hz	50 Hz
Operating Voltage Range	190 - 253 VAC	180 - 253 VAC
Phase	3	3
Nominal Input Power	5.8 KW	5.3 KW
Nominal Power Factor	0.85	0.85
Rated FL/LR ¹ Current	23/85	22/80
Minimum Electrical Service	30 Amps	30 Amps

1. Full Load/Locked Rotor

Dimensions

**Weight lbs./kg****350/159**