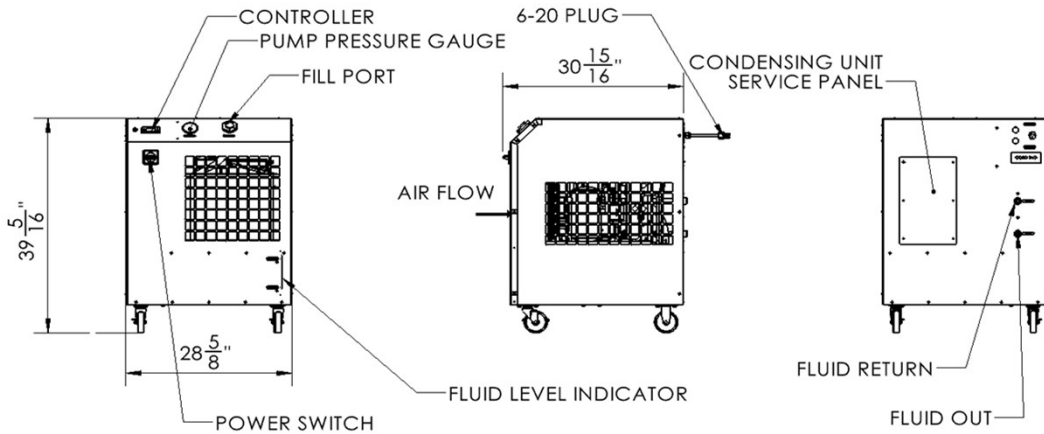




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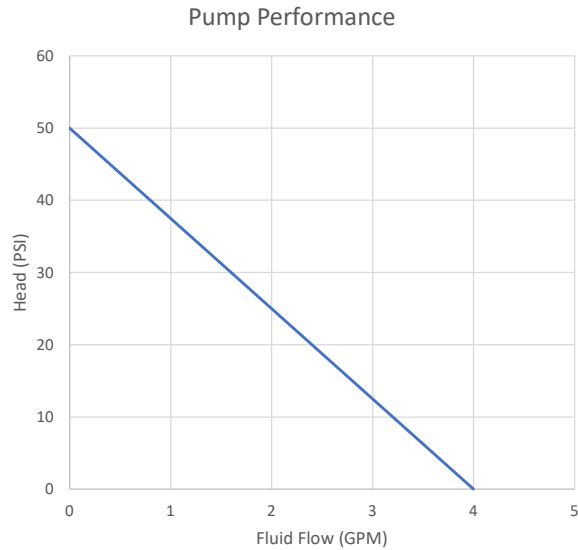
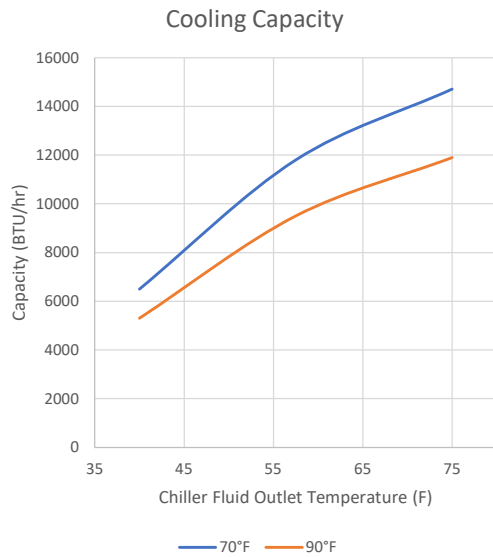
1 Ton Air Cooled Freeze Chiller

Dimensional Drawings



DEPTH	WIDTH	HEIGHT	WEIGHT	TANK CAPACITY	FLUID CONNECTIONS
30 $\frac{15}{16}$ "	28 $\frac{5}{8}$ "	39 $\frac{5}{16}$ "	360 lbs	15 Gallon Poly Tank	1/2" NPT

Chiller Performance



AG-Optimists, LLC
 3130 South 1030 West, Suite 1
 Salt Lake City, UT 84119
 (801) 244-9769
www.ag-optimists.com

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Standard Features and Benefits			
Performance	Working Temperature Range	40°F(4.5°C) to 75°F(24°C)	
	Temperature Stability	±2	
	Cooling Capacity at 70F	40°F (4.4°C) - 6,500 BTU/hr (1,900 Watts) 57.5°F (14.2°C) - 11,800 BTU/hr (3,460 Watts) 75°F (23.9°C) - 14,700 BTU/hr (4,310 Watts)	
	Ambient Temperature (Standard)	40°F - 100°F	
	Pump Performance	0 GPM @ 50 PSI 2 GPM @ 25 PSI 4 GPM @ 0 PSI	
User Interface	Controls	Electronic Programmed Temperature Controller with Constant (Setpoint & Process) Temperature Readout	
	Additional Features	Fluid Level Indicator, Pump Pressure Gauge	
Refrigeration Circuit	Compressor	Copeland Scroll	
	Heat Exchanger	Braze Plate Heat Exchanger	
	Refrigerant	R134a	
	Additional Features	Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, High and Low Pressure Controls, Thermostatic Expansion Valve (TXV)	
	Max Heat Rejection	15,550 BTU/hr (4.6 kW)	
Process Fluid Circuit	Pump	Continuous Duty, 1/3 HP Fixed Displacement Pump With Bypass	
	Inlet/Outlet	1/2" NPT	
	Reservoir	15 Gallon Poly Tank	
	Additional Features	Inline Strainer, Process Fluid Temperature Sensor, Pump Discharge Pressure Gauge	
Construction	Frame	Galvanized Steel	
	Enclosure	Powder Coated Steel Enclosure with Easy Access Panels	
Quality	Warranty	1 Year Standard Warranty	
	UL/CSA Certified (Full Assembly)	ETL 3170655, UL STD 1994, CAN/CSA STD, C22.2 No. 236	
	Manufacturing	Manufactured in the U.S.A. Certified ISO 9001:2015 Company	
Power	Available Voltages	Max Amps (FLA)	Recommended Breaker/Service (MCA)
	208-240VAC / 1P / 60Hz (STANDARD)	15.4 Amps (std)	19.4 Amps (std)
	208-240VAC / 3P / 60Hz	14 Amps	20 Amps
	480VAC / 3P / 60Hz	6 Amps	15 Amps

Optional Upgrades		
UPGRADES	Anti-Backflow Process Heating Pass-through	External Temperature Monitoring Alternate Pumps Controllers
More Options and Customization Available - Contact Factory for More Information		

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