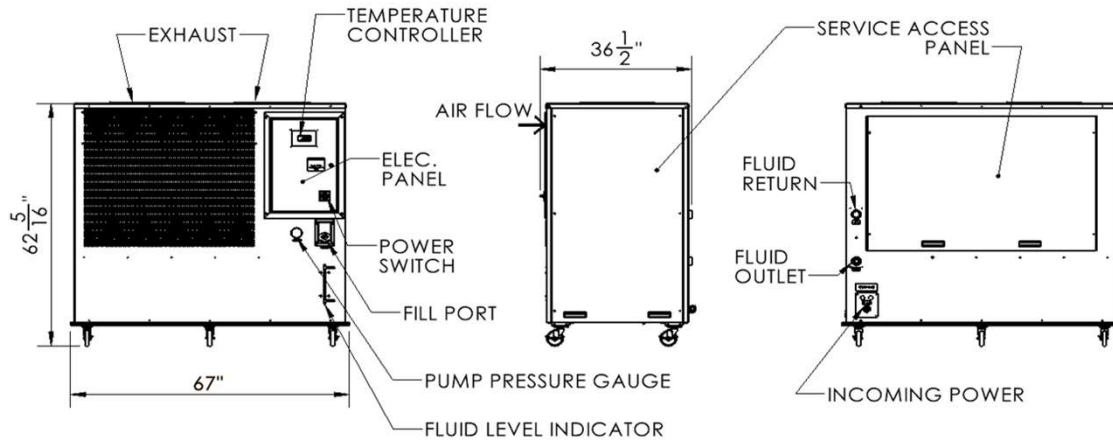




# AG10000

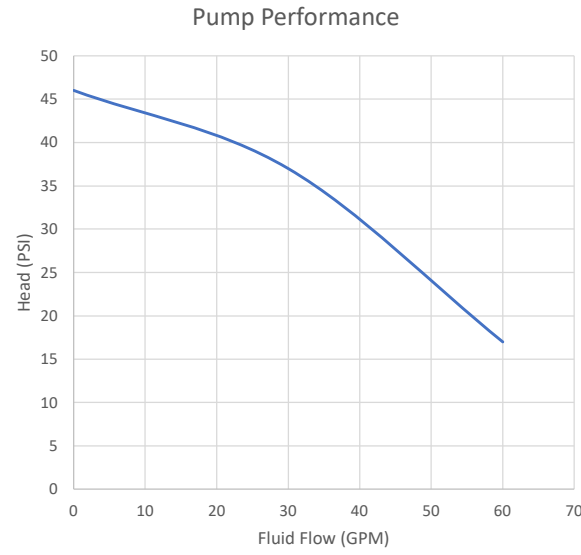
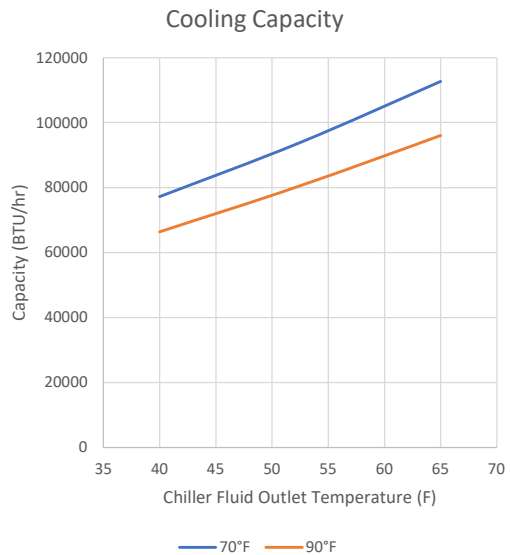
**10 Ton Air Cooled Freeze Chiller**

## Dimensional Drawings



DEPTH	WIDTH	HEIGHT	WEIGHT	TANK CAPACITY	FLUID CONNECTIONS
36 1/2"	67"	62 5/16"	1000 lbs	50 Gallon Poly Tank	1-1/4" NPT

## Chiller Performance



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

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# AG10000

Standard Features and Benefits			
<b>Performance</b>	Working Temperature Range	40°F(4.5°C) to 65°F(18°C)	
	Temperature Stability	±2	
	Cooling Capacity at 70F	40°F (4.4°C) - 77,200 BTU/hr (22,630 Watts) 52.5°F (11.4°C) - 93,800 BTU/hr (27,490 Watts) 65°F (18.3°C) - 112,700 BTU/hr (33,030 Watts)	
	Ambient Temperature (Standard)	40°F - 100°F	
	Pump Performance	0 GPM @ 46 PSI 30 GPM @ 37 PSI 60 GPM @ 17 PSI	
<b>User Interface</b>	Controls	Electronic Programmed Temperature Controller with Constant (Setpoint & Process) Temperature Readout	
	Additional Features	Fluid Level Indicator, Pump Pressure Gauge	
<b>Refrigeration Circuit</b>	Compressor	Copeland Scroll	
	Heat Exchanger	Brazed Plate Heat Exchanger	
	Refrigerant	R404a	
	Additional Features	Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, High and Low Pressure Controls, Thermostatic Expansion Valve (TXV)	
	Max Heat Rejection	155,500 BTU/hr (45.5 kW)	
<b>Process Fluid Circuit</b>	Pump	Continuous Duty, 2 HP Centrifugal Pump	
	Inlet/Outlet	1-1/4" NPT	
	Reservoir	50 Gallon Poly Tank	
	Additional Features	Inline Strainer, Process Fluid Temperature Sensor, Pump Discharge Pressure Gauge, Internal Fluid Bypass Valve	
<b>Construction</b>	Frame	Galvanized Steel	
	Enclosure	Powder Coated Steel Enclosure with Easy Access Panels	
<b>Quality</b>	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	
<b>Power</b>	Available Voltages	Max Amps (FLA)	Recommended Breaker/Service (MCA)
	480VAC / 3P / 60Hz (STANDARD) 208-240VAC / 3P / 60Hz	27.1 Amps (std) 57 Amps	32.8 Amps (std) 68 Amps

Optional Upgrades		
<b>UPGRADES</b>	Anti-Backflow Process Heating Pass-through	External Temperature Monitoring Alternate Pumps
		Controllers Crating UL/CSA for Outdoor Use Extended Ambient (-15F)
<b>More Options and Customization Available - Contact Factory for More Information</b>		

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