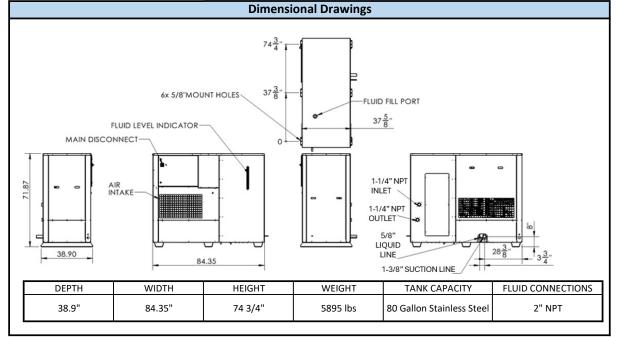
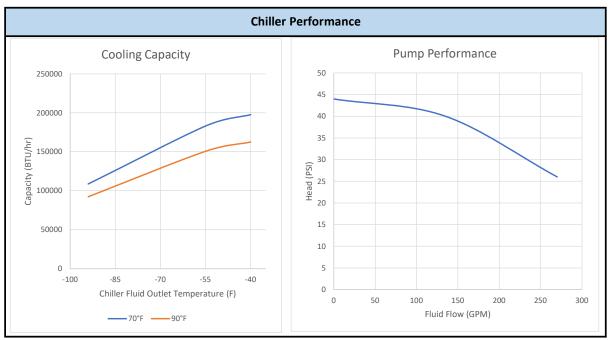


AG15000-ULT

15 Ton Air Cooled Ultra Low Temp Chiller (Qty 3 AG5000-ULT)











AG15000-ULT

Working Temperature Range 112*F(-80*C) to 70*F(21*C) Temperature Stability ±2 Cooling Capacity at 70F -94*F (-70*C) - 108,600 BTU/hr (31,830 Watts) -55*F (-48.3*C) - 132,900 BTU/hr (57,880 Watts) -40*F (-40*C) - 197,500 BTU/hr (57,880 Watts) Ambient Temperature (Standard) 40*F - 100*F Pump Performance 0 GPM @ 44 PSI Pump Performance 135 GPM @ 40 PSI User Interface Controls Electronic Programmed Temperature Controller (PLC) with Constant (Setpoint & Proce Additional Features Fluid Level Indicator, Touch Screen Controls Compressor Coopeland Discus Refrigeration Refrigerant Refrigeration Additional Features Additional Features Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expany Valve (TXV), Oil Separator Max Heat Rejection 120,000 BTU/hr (35.1 kW) Process Fluid Inlet/Outlet 2" NPT Additional Features Additional Sector 2" NPT			tandard Features and Benefits		
Performance -94°F (-70°C) - 108,600 BTU/hr (31,830 Watts) Cooling Capacity at 70F -55°F (-48.3°C) - 182,900 BTU/hr (53,600 Watts) -40°F (-40°C) - 197,500 BTU/hr (57,880 Watts) -40°F (-40°C) - 197,500 BTU/hr (57,880 Watts) Ambient Temperature (Standard) 40°F (-40°C) - 197,500 BTU/hr (57,880 Watts) Ambient Temperature (Standard) 0 GPM @ 44 PSI Pump Performance 270 GPM @ 40 PSI 270 GPM @ 26 PSI Electronic Programmed Temperature Controller (PLC) with Constant (Setpoint & Proce User Interface Controls Electronic Programmed Temperature Readout Madditional Features Fluid Level Indicator, Touch Screen Controls Compressor Copeland Discus Heat Exchanger Brazed Plate Heat Exchanger Refrigerant R508B Additional Features Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expandiation Valve (TXV), Oil Separator Valve (TXV), Oil Separator Valve (TXV), Oil Separator Pump Continuous Duty, 15 HP		Working Temperature Range	- <u>112°F(-80°C)</u>	to 70°F(21°C)	
Performance Cooling Capacity at 70F 55°F (-48.3°C) - 182,900 BTU/hr (53,600 Watts) Ambient Temperature (Standard) -40°F (-40°C) - 197,500 BTU/hr (57,880 Watts) Ambient Temperature (Standard) 40°F - 100°F Ambient Temperature (Standard) 40°F - 100°F Pump Performance 0 GPM @ 44 PSI 270 GPM @ 26 PSI 270 GPM @ 26 PSI User Interface Controls Electronic Programmed Temperature Controller (PLC) with Constant (Setpoint & Proce Additional Features Fluid Level Indicator, Touch Screen Controls Compressor Copeland Discus Refrigeration Refrigerant Rtocess Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expan Valve (TXV), Oil Separator Process Fluid Pump Controlet 2000 BTU/hr (35.1 kW) Process Fluid Reservoir 80 Gallon Stainless Steel		Temperature Stability	<u>±</u>	-2	
Performance Cooling Capacity at 70F 55°F (-48.3°C) - 182,900 BTU/hr (53,600 Watts) Ambient Temperature (Standard) 40°F - 100°F Ambient Temperature (Standard) 40°F - 100°F Pump Performance 0 GPM @ 44 PSI 270 GPM @ 26 PSI 270 GPM @ 26 PSI User Interface Controls Electronic Programmed Temperature Controller (PLC) with Constant (Setpoint & Proce Additional Features Fluid Level Indicator, Touch Screen Controls Temperature Readout Additional Features Fluid Level Indicator, Touch Screen Controls Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expany Valve (TXV), Oil Separator Refrigeration Max Heat Rejection Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expany Valve (TXV), Oil Separator Process Fluid Inlet/Outlet 2" NPT Circuit Reservoir 80 Gallon Stainless Steel			-94°F (-70°C) - 108,600 BTU/hr (31,830 Watts)		
Ambient Temperature (Standard) Autor (Vic. C) Ambient Temperature (Standard) 40°F - 100°F 0 GPM @ 44 PSI 0 GPM @ 44 PSI Pump Performance 270 GPM @ 26 PSI User Interface Controls Additional Features Fluid Level Indicator, Touch Screen Controls Compressor Copeland Discus Heat Exchanger Brazed Plate Heat Exchanger Refrigeration Refrigerant Circuit Additional Features Pump Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expandence Valve (TXV), Oil Separator Valve (TXV), Oil Separator Process Fluid Inlet/Outlet 2" NPT Additional Features 80 Gallon Stainless Steel		Cooling Capacity at 70F			
Ambient Temperature (Standard) 40°F - 100°F Ambient Temperature (Standard) 0 GPM @ 44 PSI Pump Performance 135 GPM @ 40 PSI 270 GPM @ 26 PSI 270 GPM @ 26 PSI User Interface Controls Electronic Programmed Temperature Controller (PLC) with Constant (Setpoint & Proce Additional Features Fluid Level Indicator, Touch Screen Controls Compressor Copeland Discus Heat Exchanger Brazed Plate Heat Exchanger Refrigerant R508B Additional Features Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expander Max Heat Rejection 120,000 BTU/hr (35.1 kW) Process Fluid Inlet/Outlet 2" NPT Circuit Reservoir 80 Gallon Stainless Steel	Performance				
Pump Performance 0 GPM @ 44 PSI 135 GPM @ 40 PSI 270 GPM @ 26 PSI User Interface Controls Electronic Programmed Temperature Controller (PLC) with Constant (Setpoint & Proce Temperature Readout Additional Features Fluid Level Indicator, Touch Screen Controls Compressor Copeland Discus Heat Exchanger Brazed Plate Heat Exchanger Refrigeration Circuit Refrigerant Additional Features Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expan Valve (TXV), Oil Separator Max Heat Rejection 120,000 BTU/hr (35.1 kW) Process Fluid Inlet/Outlet 2" NPT Inlet/Outlet 2" NPT Additional Features 80 Gallon Stainless Steel		Ambient Temperature (Standard)			
Interface 270 GPM @ 26 PSI User Interface Controls Electronic Programmed Temperature Controller (PLC) with Constant (Setpoint & Proce Temperature Readout Additional Features Fluid Level Indicator, Touch Screen Controls Compressor Copeland Discus Heat Exchanger Brazed Plate Heat Exchanger Refrigerant Refrigerant Additional Features Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expandence Max Heat Rejection 120,000 BTU/hr (35.1 kW) Process Fluid Reservoir Additional Features 2" NPT Additional Features Additional Stainless Steel		· · · ·			
Image: state		Pump Performance			
User Interface Controls Temperature Readout Additional Features Fluid Level Indicator, Touch Screen Controls Compressor Copeland Discus Heat Exchanger Brazed Plate Heat Exchanger Refrigeration Refrigerant Additional Features Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expandence Max Heat Rejection Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expandence Process Fluid Pump Circuit Reservoir Reservoir 80 Gallon Stainless Steel		·	270 GPM @ 26 PSI		
User Interface Controls Temperature Readout Additional Features Fluid Level Indicator, Touch Screen Controls Compressor Copeland Discus Heat Exchanger Brazed Plate Heat Exchanger Refrigeration Refrigerant Additional Features Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expandence Max Heat Rejection Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expandence Process Fluid Pump Circuit Reservoir Reservoir 80 Gallon Stainless Steel	User Interface				
Refrigeration Compressor Copeland Discus Refrigeration Heat Exchanger Brazed Plate Heat Exchanger Refrigerant Refrigerant R508B Additional Features Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expandence Max Heat Rejection 120,000 BTU/hr (35.1 kW) Process Fluid Inlet/Outlet 2" NPT Gircuit Reservoir 80 Gallon Stainless Steel		Controls			
Heat Exchanger Brazed Plate Heat Exchanger Refrigeration Refrigerant R508B Additional Features Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expandence (TXV), Oil Separator Max Heat Rejection 120,000 BTU/hr (35.1 kW) Process Fluid Inlet/Outlet 2" NPT Circuit Reservoir 80 Gallon Stainless Steel		Additional Features			
Heat Exchanger Brazed Plate Heat Exchanger Refrigeration Refrigerant R508B Additional Features Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expandence Valve (TXV), Oil Separator Max Heat Rejection 120,000 BTU/hr (35.1 kW) Process Fluid Inlet/Outlet 2" NPT Circuit Reservoir 80 Gallon Stainless Steel	•	Compressor			
Refrigeration Circuit Additional Features Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expandence Valve (TXV), Oil Separator Max Heat Rejection 120,000 BTU/hr (35.1 kW) Pump Continuous Duty, 15 HP Centrifugal Pump Inlet/Outlet 2" NPT Reservoir 80 Gallon Stainless Steel		•			
Circuit Additional Features Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expandence of Valve (TXV), Oil Separator Max Heat Rejection 120,000 BTU/hr (35.1 kW) Process Fluid Inlet/Outlet Inlet/Outlet 2" NPT Reservoir 80 Gallon Stainless Steel		, and the second se	<u> </u>		
Additional Features Valve (TXV), Oil Separator Max Heat Rejection 120,000 BTU/hr (35.1 kW) Pump Continuous Duty, 15 HP Centrifugal Pump Inlet/Outlet 2" NPT Reservoir 80 Gallon Stainless Steel		¥	Annes Danke Camine Vielane Filter Drien Cielet Class Linuid Descines The set of Francis		
Process Fluid Inlet/Outlet 2" NPT Circuit Reservoir 80 Gallon Stainless Steel		Additional Features			
Process Fluid Circuit Pump Continuous Duty, 15 HP Centrifugal Pump Inlet/Outlet 2" NPT Additional Features 80 Gallon Stainless Steel			vaive (TXV), OII Separator		
Process Fluid Circuit Inlet/Outlet 2" NPT Additional Features 80 Gallon Stainless Steel	_	Max Heat Rejection	120,000 BTU/hr (35.1 kW)		
Process Fluid 2 NP1 Circuit Reservoir 80 Gallon Stainless Steel Additional Features Additional Features		Pump	Continuous Duty, 15 HP Centrifugal Pump		
Process Fluid 2 NP1 Circuit Reservoir 80 Gallon Stainless Steel Additional Features Additional Features		Inlet/Outlet			
	Process Fluid	met/outlet			
Additional Features	Circuit	Reservoir	80 Gallon Stainless Steel		
Inling Strainer Inlet and Outlet Temperature Sensors, Dump Discharge Bressure Transde		Additional Features			
ninne strainer, ninet and Outlet reinperature sensors, Pump Discharge Pressure Halison			Inline Strainer, Inlet and Outlet Temperature Sensors, Pump Discharge Pressure Transducer		
Frame Galvanized Steel	Construction	Frame			
Construction					
			Powder Coated Steel Enclosure with Easy Access Panels		
Warranty 1 Year Standard Warranty	Quality	Warranty	1 Year Standard Warranty		
LIL (CSA Cartified (Full Accombly) Certified for Outdoor Use		UL/CSA Certified (Full Assembly)	Certified for Outdoor Use		
			ETL 3170655, UL STD 61010-2-011, CAN/CSA STD, C22.2 No. 61010-2-011		
		Manufacturing			
ivial u actui ng			Manufactured in the U.S.A.		
			Certified ISO 9001:2015 Company		
Available Voltages Max Amps Recommended Breaker/Service		Available Voltages	Max Amps		
(FLA) (MCA)		Available Voltages			
		Available Voltages	(FLA)	(MCA)	
rower 480VAC / SF / OUHZ (STANDARD) 80.1 Amps (sta) 94.2 Amps (sta)	Power	Available Voltages 480VAC / 3P / 60Hz (STANDARD)	(FLA) 80.1 Amps (std)	(MCA) 94.2 Amps (std)	
Power 480VAC / SP / 60HZ (STANDARD) 80.1 Amps (sta) 94.2 Amps (sta)	Power			· · ·	

Optional Upgrades					
UPGRADES	Process Heating UL/CSA Outdoor Certified Extended Ambient (-15°F)	External Temperature Monitoring Alternate Pumps	Controller Auto Start Remote Start Crating		
	More Options and Customization Available - Contact Factory for More Information				
AG-Optimists, LLC			All Information Is For Reference Only		
3130 South 1030 W	/est, Suite 1		CEBTIFIED CEBTIFIED		
Salt Lake City, UT 8	4119				
(801) 244-9769		c			
www.ag-optimists.com			LISTED US COMPLET MADE IN THE USA		