

Technical Information

Controller Specifications

Temperature Set Point Resolution	±0.1°C
Temperature Stability	±0.5°C (±0.9°F)
Temperature Units	°C or °F
Pressure Units	PSI or kPa
Pressure Display Resolution	1 PSI / 0.1 kPa
Flow Rate Units	GPM or LPM
Flow Rate Display Resolution	0.1 GPM / 1 LPM

Performance Specifications

Model		Air-Cooled 58XX & 68SS Series	Water-Cooled 59XX & 69XX Series
Compressor	Nominal HP	1.5	
Temperature Range (without heater option)	°F °C	41° to 95°F 5° to 35°C	
Temperature Range (with heater option)	°F °C	41° to 194°F 5° to 90°C	
Temperature Stability	°F °C	±0.9°F ±0.5°C	
Cooling Capacity ¹	Tons Watts BTU/hour	1.48 5200 17,732	1.8 6328 21,600
Nominal Evaporator Flow ²	US GPM	3.72	4.3
Refrigerant		R134A	
Pressure ³	PSIG	60	
Pump ³	HP	1/3	
Fan(s)	HP	1/6	N/A
Condenser Discharge Air Flow	CFM	1070	N/A
Water Condenser Flow – Tower Water	US GPM	N/A	5.4
Water Condenser Connections	Inches	N/A	0.75
Process Connections (inlet / outlet)	Inches	0.5	
Reservoir Tank Capacity	US Gallons (liters)	3.5 (13.25)	
Dimensions (L x W x H)	Inches cm	30.5 x 19 x 26" 78 x 48 x 66 cm	
Shipping Weight	Pounds kg	340 154	

1. Capacity of air-cooled units based on 68°F (20°C) entering air and 68°F (20°C) leaving water; capacity of water-cooled units based on 85°F (29°C) entering water.

2. Chiller flow rate based on 2.4 US GPM ton (0.54m³/hr/ton).

Environmental Conditions Indoor use only
 Maximum Altitude: 2000 meters
 Operating Ambient: 5° to 35°C
 Relative Humidity: 80% for temperatures to 30°C
 Installation Category: II
 Pollution Degree: 2