

6100 Series 1 HP Chiller, Centrifugal Pump



6100M

Key Specifications

Description	6100 Series 1 HP Chiller, Centrifugal Pump; 10 psi; 15.5 l/min
Display	LED
Connectivity	Optional: RS232, RS485, Remote On/Off
Working Temperature Range °C	-10° to 40°
Temperature Stability °C	±0.1°
Temperature Calibration Capability	1-point
Pump Type	Centrifugal
External Temperature Control Capability	Optional

Key Features

Features

- Large, dual displays present temperature and pressure or flow rate simultaneously
- Compact, portable design takes up less floor space
- Cooling at ambient temperatures as high as 35°C
- Magnetic drive centrifugal pump

- Choice of compressor sizes
- User-adjustable temperature, pressure, and flow rate alarms
- External temperature tracking and communications capability (optional)
- Cool Command™, WhisperCool® (3/4 and 1 HP models)

Common Specifications

Working Temperature Range °F	14° to 104°
Working Temperature Range °C	-10° to 40°
Reservoir Capacity (gallons)	1.11
Reservoir Capacity (liters)	4.2
Reservoir Cover	Screw-on Cap
Cleanable Air Filter	Yes
Cleanable Fluid Filter	Yes
Temperature Stability °F	±0.2°
Temperature Stability °C	±0.1°
Display	LED
Pump Type	Centrifugal
Pump Speed	Constant, Single Speed
Process Connections	1/2" (F) NPT
External Temperature Control Capability	Optional
Over-Temperature Protection / Failsafe Heater Control	Yes
Reservoir Liquid Level Indicator	Yes
WhisperCool Environmental Control Technology	Yes
Cool Command Refrigeration Technology	Yes
Reservoir Drain	Yes
Heater Option	Yes
Maximum Ambient Temperature °F	95°
Maximum Ambient Temperature °C	35°
Overall Dimensions (L x W x H) (inches)	27.6 x 14.5 x 22.6 in
Overall Dimensions (L x W x H) (cm)	70.2 x 36.8 x 57.5 cm
Compressor Size (HP)	1

Refrigerant	R134a
Shipping Weight (pounds)	189.0
Shipping Weight (kilograms)	85.7
Catalog Page Number	102-103

60 Hz Only

Part Number	6160M21A130D
Maximum Pressure (psi)	10.0
Maximum Pressure (bar)	0.69
Maximum Pressure Flow Rate (gpm)	4.10
Maximum Pressure Flow Rate (l/min)	15.5
Cooling Capacity @ -10°C (W)	450
Cooling Capacity @ -5°C (W)	775
Cooling Capacity @ 0°C (W)	1100
Cooling Capacity @ +10°C (W)	1835
Cooling Capacity @ +20°C (W)	2900
Cooling Capacity @ +30°C (W)	3103
Cooling Capacity @ +40°C (W)	3196
Included Hardware	Two sets of Inlet/Outlet Adapters: ½ inch male NPT, 5/8 inch male NPT
Electrical Requirements (VAC/Hz/Ph/A)	230/60/1/9.5
Regulatory Approvals	TUV

50 Hz Only

Part Number	6150M21A130E
Maximum Pressure (psi)	9.5
Maximum Pressure (bar)	0.66
Maximum Pressure Flow Rate (gpm)	3.90
Maximum Pressure Flow Rate (l/min)	14.7
Cooling Capacity @ -10°C (W)	750
Cooling Capacity @ -5°C (W)	1075
Cooling Capacity @ 0°C (W)	1400
Cooling Capacity @ +10°C (W)	2050
Cooling Capacity @ +20°C (W)	2750

Cooling Capacity @ +30°C (W)	2943
Cooling Capacity @ +40°C (W)	3031
Included Hardware	Two sets of Inlet/Outlet Adapters: ½ inch male NPT, 5/8 inch male NPT
Electrical Requirements (VAC/Hz/Ph/A)	240/50/1/9.5
Regulatory Approvals	CE

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