

6300 Series 1/3 HP Chiller, Centrifugal Pump



6300M

Key Specifications

Description	6300 Series 1/3 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
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)	1/3
Refrigerant	R134a
Shipping Weight (pounds)	143.0

Shipping Weight (kilograms)	64.8
Catalog Page Number	102-103

60 Hz Only

Part Number	6360M11A110B
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)	300
Cooling Capacity @ -5°C (W)	500
Cooling Capacity @ 0°C (W)	700
Cooling Capacity @ +10°C (W)	1000
Cooling Capacity @ +20°C (W)	1430
Cooling Capacity @ +30°C (W)	1530
Cooling Capacity @ +40°C (W)	1576
Included Hardware	Two sets of Inlet/Outlet Adapters: ½ inch male NPT, 5/8 inch male NPT
Electrical Requirements (VAC/Hz/Ph/A)	120/60/1/10.4
Regulatory Approvals	TUV

50 Hz Only

Part Number	6350M21A130E
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)	215
Cooling Capacity @ -5°C (W)	400
Cooling Capacity @ 0°C (W)	600
Cooling Capacity @ +10°C (W)	960
Cooling Capacity @ +20°C (W)	1180
Cooling Capacity @ +30°C (W)	1263
Cooling Capacity @ +40°C (W)	1300

Included Hardware	Two sets of Inlet/Outlet Adapters: ½ inch male NPT, 5/8 inch male NPT
Electrical Requirements (VAC/Hz/Ph/A)	240/50/1/5.9
Regulatory Approvals	CE

© 2015 **PolyScience** 6600 W. Touhy Avenue, Niles, Illinois 60714-4516 USA

Phone: +1(847) 647-0611 or +1(800) 229-7569 **Fax:** +1(847) 647-1155

Source URL (modified on 01/12/2016 - 19:01): <https://www.polyscience.com/chillers/6300-series-13-hp-chiller-centrifugal-pump>