

LM Series Chiller, Centrifugal Pump



LM-6M

Key Specifications

Description	LM Series 1/3 HP Benchtop Chiller, Centrifugal Pump; 14.5 psi; 13.2 l/min
Display	LED
Connectivity	Optional: RS232
Working Temperature Range °C	-10° to 30°
Temperature Stability °C	±0.1°
Temperature Calibration Capability	1-point
Pump Type	Centrifugal

Key Features

Features

- Optimized for performance at low temperatures
- Ideal for benchtop rotary evaporators
- Large, easy to read LED display
- Space-saving design
- Cooling at ambient temperatures as high as 30°C
- Low flow shutoff and alarm, high and low temperature alarms

- Simple setup, operation, and maintenance
- Choice of two different centrifugal pumps
- Fluid level indicator
- RS232 communication and external water filter optional

Common Specifications

Working Temperature Range °F	14° to 86°
Working Temperature Range °C	-10° to 30°
Reservoir Capacity (gallons)	0.7
Reservoir Capacity (liters)	2.65
Reservoir Cover	Screw-on Cap
Cleanable Air 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
Over-Temperature Protection / Failsafe Heater Control	Yes
Reservoir Liquid Level Indicator	Yes
Cool Command Refrigeration Technology	Yes
Reservoir Drain	Yes
Maximum Ambient Temperature °F	95°
Maximum Ambient Temperature °C	35°
Overall Dimensions (L x W x H) (inches)	20 x 10 x 19 in
Overall Dimensions (L x W x H) (cm)	50.8 x 25.4 x 48.3 cm
Compressor Size (HP)	1/3
Refrigerant	R452A
Shipping Weight (pounds)	75.0
Shipping Weight (kilograms)	34.5
Catalog Page Number	100

60 Hz Only

Part Number	LM61MX1A110C
Maximum Pressure (psi)	14.5
Maximum Pressure (bar)	1.00
Maximum Pressure Flow Rate (gpm)	3.50
Maximum Pressure Flow Rate (l/min)	13.2
Cooling Capacity @ -10°C (W)	170
Cooling Capacity @ -5°C (W)	210

Cooling Capacity @ 0°C (W)	250
Cooling Capacity @ +10°C (W)	340
Cooling Capacity @ +20°C (W)	420
Cooling Capacity @ +30°C (W)	540
Included Hardware	Two sets of Inlet/Outlet Adapters: ½ inch male NPT, 5/8 inch male NPT
Electrical Requirements (VAC/Hz/Ph/A)	120/60/1/12
Regulatory Approvals	TUV

50 Hz Only

Part Number	LM62MY1A110E
Maximum Pressure (psi)	12.5
Maximum Pressure (bar)	0.90
Maximum Pressure Flow Rate (gpm)	3.00
Maximum Pressure Flow Rate (l/min)	11.4
Cooling Capacity @ -10°C (W)	110
Cooling Capacity @ -5°C (W)	135
Cooling Capacity @ 0°C (W)	170
Cooling Capacity @ +10°C (W)	280
Cooling Capacity @ +20°C (W)	390
Cooling Capacity @ +30°C (W)	500
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
Regulatory Approvals	CE



© 2015-2020 **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 04/07/2020 - 14:27): <https://polyscience.com/chillers/lm-series-benchttop-chiller-centrifugal-pump-0>