

MM Series Chiller, Centrifugal Pump



MM-7M

Key Specifications

Description	MM Series 1/10 HP Benchtop Chiller, Centrifugal Pump; 14.5 psi; 13.2 l/min
Display	LED
Connectivity	Optional: RS232
Working Temperature Range °C	-5° to 50°
Temperature Stability °C	±0.1°
Temperature Calibration Capability	1-point
Pump Type	Centrifugal

Key Features

Features

- Precise and stable temperature control at low temperatures
- Large, easy to read LED display
- Space-saving, benchtop design
- Cooling at ambient temperatures as high as 35°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	23° to 122°
Working Temperature Range °C	-5° to 50°
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
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 17 in
Overall Dimensions (L x W x H) (cm)	50.8 x 25.4 x 43.2 cm
Compressor Size (HP)	1/10
Refrigerant	R134a
Shipping Weight (pounds)	75.0
Shipping Weight (kilograms)	34.5
Catalog Page Number	101

60 Hz Only

Part Number	MM71MX1A110C
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 @ -5°C (W)	115
Cooling Capacity @ 0°C (W)	195
Cooling Capacity @ +10°C (W)	305
Cooling Capacity @ +20°C (W)	435
Cooling Capacity @ +30°C (W)	465
Cooling Capacity @ +40°C (W)	505
Cooling Capacity @ +50°C (W)	535
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	MM72MY1A110E
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 @ -5°C (W)	105
Cooling Capacity @ 0°C (W)	175
Cooling Capacity @ +10°C (W)	270
Cooling Capacity @ +20°C (W)	390
Cooling Capacity @ +30°C (W)	420
Cooling Capacity @ +40°C (W)	450
Cooling Capacity @ +50°C (W)	480
Included Hardware	Two sets of Inlet/Outlet Adapters: ½ inch male NPT, 5/8 inch male NPT
Electrical Requirements (VAC/Hz/Ph/A)	240/50/1/4.5
Regulatory Approvals	CE

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