

# MM Series Chiller, Centrifugal Pump



MM-7G

## Key Specifications

<b>Description</b>	MM Series 1/10 HP Benchtop Chiller, Centrifugal Pump; 5.1 psi; 7.9 l/min
<b>Display</b>	LED
<b>Connectivity</b>	Optional: RS232
<b>Working Temperature Range °C</b>	-5° to 50°
<b>Temperature Stability °C</b>	±0.1°
<b>Temperature Calibration Capability</b>	1-point
<b>Pump Type</b>	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 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

<b>Working Temperature Range °F</b>	23° to 122°
<b>Working Temperature Range °C</b>	-5° to 50°
<b>Reservoir Capacity (gallons)</b>	0.7
<b>Reservoir Capacity (liters)</b>	2.65
<b>Reservoir Cover</b>	Screw-on Cap
<b>Cleanable Air Filter</b>	Yes
<b>Temperature Stability °F</b>	±0.2°
<b>Temperature Stability °C</b>	±0.1°
<b>Display</b>	LED
<b>Pump Type</b>	Centrifugal
<b>Pump Speed</b>	Constant, Single Speed
<b>Process Connections</b>	1/2" (F) NPT
<b>Over-Temperature Protection / Failsafe Heater Control</b>	Yes
<b>Reservoir Liquid Level Indicator</b>	Yes
<b>Reservoir Drain</b>	Yes
<b>Maximum Ambient Temperature °F</b>	95°
<b>Maximum Ambient Temperature °C</b>	35°
<b>Overall Dimensions (L x W x H) (inches)</b>	20 x 10 x 17 in
<b>Overall Dimensions (L x W x H) (cm)</b>	50.8 x 25.4 x 43.2 cm
<b>Compressor Size (HP)</b>	1/10
<b>Refrigerant</b>	R134a
<b>Shipping Weight (pounds)</b>	75.0
<b>Shipping Weight (kilograms)</b>	34.5
<b>Catalog Page Number</b>	101

## 60 Hz Only

<b>Part Number</b>	MM71GX1A110C
<b>Maximum Pressure (psi)</b>	5.1
<b>Maximum Pressure (bar)</b>	0.35
<b>Maximum Pressure Flow Rate (gpm)</b>	2.10
<b>Maximum Pressure Flow Rate (l/min)</b>	7.9
<b>Cooling Capacity @ -5°C (W)</b>	130
<b>Cooling Capacity @ 0°C (W)</b>	215
<b>Cooling Capacity @ +10°C (W)</b>	320
<b>Cooling Capacity @ +20°C (W)</b>	460

<b>Cooling Capacity @ +30°C (W)</b>	490
<b>Cooling Capacity @ +40°C (W)</b>	520
<b>Cooling Capacity @ +50°C (W)</b>	550
<b>Included Hardware</b>	Two sets of Inlet/Outlet Adapters: ½ inch male NPT, 5/8 inch male NPT
<b>Electrical Requirements (VAC/Hz/Ph/A)</b>	120/60/1/12
<b>Regulatory Approvals</b>	TUV

## 50 Hz Only

<b>Part Number</b>	MM72GY1A110E
<b>Maximum Pressure (psi)</b>	4.4
<b>Maximum Pressure (bar)</b>	0.30
<b>Maximum Pressure Flow Rate (gpm)</b>	1.80
<b>Maximum Pressure Flow Rate (l/min)</b>	6.8
<b>Cooling Capacity @ -5°C (W)</b>	115
<b>Cooling Capacity @ 0°C (W)</b>	190
<b>Cooling Capacity @ +10°C (W)</b>	290
<b>Cooling Capacity @ +20°C (W)</b>	410
<b>Cooling Capacity @ +30°C (W)</b>	440
<b>Cooling Capacity @ +40°C (W)</b>	470
<b>Cooling Capacity @ +50°C (W)</b>	495
<b>Included Hardware</b>	Two sets of Inlet/Outlet Adapters: ½ inch male NPT, 5/8 inch male NPT
<b>Electrical Requirements (VAC/Hz/Ph/A)</b>	240/50/1/4.5
<b>Regulatory Approvals</b>	CE



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