

MM Series Chiller, Centrifugal Pump



MM-7G

Key Specifications

Description	MM Series 1/10 HP Benchtop Chiller, Centrifugal Pump; 5.1 psi; 7.9 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	MM71GX1A110C
Maximum Pressure (psi)	5.1
Maximum Pressure (bar)	0.35

Maximum Pressure Flow Rate (gpm)	2.10
Maximum Pressure Flow Rate (l/min)	7.9
Cooling Capacity @ -5°C (W)	130
Cooling Capacity @ 0°C (W)	215
Cooling Capacity @ +10°C (W)	320
Cooling Capacity @ +20°C (W)	460
Cooling Capacity @ +30°C (W)	490
Cooling Capacity @ +40°C (W)	520
Cooling Capacity @ +50°C (W)	550
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	MM72GY1A110E
Maximum Pressure (psi)	4.4
Maximum Pressure (bar)	0.30
Maximum Pressure Flow Rate (gpm)	1.80
Maximum Pressure Flow Rate (l/min)	6.8
Cooling Capacity @ -5°C (W)	115
Cooling Capacity @ 0°C (W)	190
Cooling Capacity @ +10°C (W)	290
Cooling Capacity @ +20°C (W)	410
Cooling Capacity @ +30°C (W)	440
Cooling Capacity @ +40°C (W)	470
Cooling Capacity @ +50°C (W)	495
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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