Specifications

(April 2021 as of)

Model			unit	MCX2-G3					
				03	04	06	03D	04D	06D
Power Supply	Voltage		V	AC200V 50Hz/60Hz 3φ、AC220V 50Hz/60Hz 3φ、AC230V 50Hz/60Hz 3φ / AC380V 50Hz 3φ、AC400V 50Hz 3φ、AC415V 50Hz 3φ / AC380V 60Hz 3φ / AC460V 60Hz 3φ					
	Apparent Power	200-230V 50Hz/60Hz	KVA	12.9	16.7	18.9	20.6	21.8	24.0
		380-415V 50Hz		13.7	18.2	19.2	21.8	23.5	24.5
		380V 60Hz		13.6	17.0	19.1	21.9	22.5	24.6
		460V 60Hz		15.7	21.2	22.3	25.0	27.4	28.5
	Braker Capacity	200-230V 50Hz/60Hz	A	50	60	60	75	75	75
		380-415V 50Hz		30	30	40	40	40	50
		380V 60Hz		30	30	40	40	40	50
		460V 60Hz		30	30	40	40	40	50
Condenser Cooling Water	Flow Rate (at 27℃)		L/min	30	45	60	30	45	60
	Flow Rate (at 35℃)		L/min	45	60	75	45	60	75
	Pressure		MPa	0.15～0.60					
Medium				Clean Water					
Operating Temperature Range			℃	8～90℃					
Cooling Capacity *1 Control Temperature	200-220V 50Hz	8℃	kW	7.4	11.2	14.8	7.4	11.2	14.8
		15℃		9.2	13.8	18.3	9.2	13.8	18.3
		20℃		10.6	16.0	21.2	10.6	16.0	21.2
	200-230V 60Hz	8℃	kW	8.5	12.9	16.7	8.5	12.9	16.7
		15℃		10.5	15.9	20.6	10.5	15.9	20.6
		20℃		12.2	18.4	23.8	12.2	18.4	23.8
	380-415V 50Hz	8℃	kW	7.3	11.3	14.6	7.3	11.3	14.6
		15℃		9.0	13.9	18.0	9.0	13.9	18.0
		20℃		10.5	16.1	20.8	10.5	16.1	20.8
	380V 60Hz	8℃	kW	8.8	10.6	16.0	8.8	10.6	16.0
		15℃		10.8	13.1	19.7	10.8	13.1	19.7
		20℃		12.5	15.2	22.8	12.5	15.2	22.8
	460V 60Hz	8℃	kW	9.9	10.6	16.0	9.9	10.6	16.0
		15℃		12.2	13.1	19.7	12.2	13.1	19.7
		20℃		14.1	15.2	22.8	14.1	15.2	22.8
Heater	Capacity		kW	6	9			6 × 2	
Medium Tank			L	23					
Refrigerant Gas				R410A					
Compressor	Output	200-230V 50Hz/60Hz	kW	2.25	3.38/3.45	4.5	2.25	3.38/3.45	4.5
		380-415V 50Hz		2.25	3.45	4.5	2.25	3.45	4.5
		380V 60Hz, 460V 60Hz		2.25	2.63	4.13	2.25	2.63	4.13
Circulation Pump	Output	200-230V 50Hz/60Hz	kW	0.75					
		380-415V 50Hz, 380V 60Hz, 460V 60Hz		0.45					
Medium Feed Pump	Flow Rate & Head			Refer to the Pump Performance Curve					
	Maximum Flow Rate	200-230V 50Hz/60Hz, 380-415V 50Hz	L/min	150			150 ×2		
		380V 60Hz, 460V 60Hz		100	190		100 ×2	190 ×2	
	Output	200-230V 50Hz/60Hz, 380-415V 50Hz	kW	1.5			1.5 ×2		
		380V 60Hz, 460V 60Hz		1.5	2.2		1.5 ×2	2.2 ×2	
Alam Display				Medium Drop, Pump・Compressor Overload, Cooling Water Shortage Overheat, Sensor Failure, High Pressure, Low Pressure, Freeze Prevention					
Pressure Gauge				Control Panel Digital Indication					
Pipe Connections Diameter	Medium Feed & Return Port		B	G1 (25A)	G1-1/4 (32A)		G1x2 (25Ax2)	G1-1/4 x2 (32Ax2)	
	Water Supply Port		B	G1/2 (15A)					
	Overflow		B	G1 (25A)					
	Cooling Water Inlet Port		B	G1 (25A)＋ (Filter is standard equipment)					
	Cooling Water Outlet Port		B	G1 (25A)					
Cooling Water Filter				Single Filter					
Outer Dimension *2		Width	mm	450					
		Depth	mm	1049					
		Height	mm	1427					
Product Weight			kg	240	240	245	270	270	275

Notes Water quality: At least to the standards of water supply stipulated by the Japan Refrigeration and Air Conditioning Industry Association （Water that does not include large amounts of calcium, silica, chlorine or iron with electro conductivity of between 50 and 300 ms/cm and pH of between 6 and 8.）
Operating temperature range may vary according to supply water temperature.
For product improvement, specifications in this catalog may be changed without prior notice.
Product specifications and operation screens are under development, not final.

*1 Cooling Capacity: ⊿T=2℃(Cooling Temp.:35℃)
*2 External dimensions indicate the main unit only.

Options

■ Manifold ■ Power Cord ■ Leakage Breaker ■ Rotating Light ■ Self Cleanable Filter

Ecobrid compatible model is available when used in combination with ecobrid. Please contact us for details.


Manifold


Rotating Light


Self Cleanable Filter


Leakage Breaker

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MATSUI®

MCX2

Widerange Temperature Controller

Features

Control in a wide range, from low temperature to high temperature

8℃ ⟷ Widerange ⟶ 90℃

MCX2-G3-06D

D type (two-circuit) allows independent temperature control for different two mold systems.

Reliability
Highly accurate temperature control of ± 0.3℃ is possible.

Compact
Pipe-less design makes it compact.

Operability
Easy-to-see 7" large touch-panel.

Conveniency
Mold medium ejection (medium drainage).

Environment Friendly
A refrigerant has zero ozone depletion potential [R410A].

Reliability

The flow control valve enabled stable control with minimum temperature change.

Compact

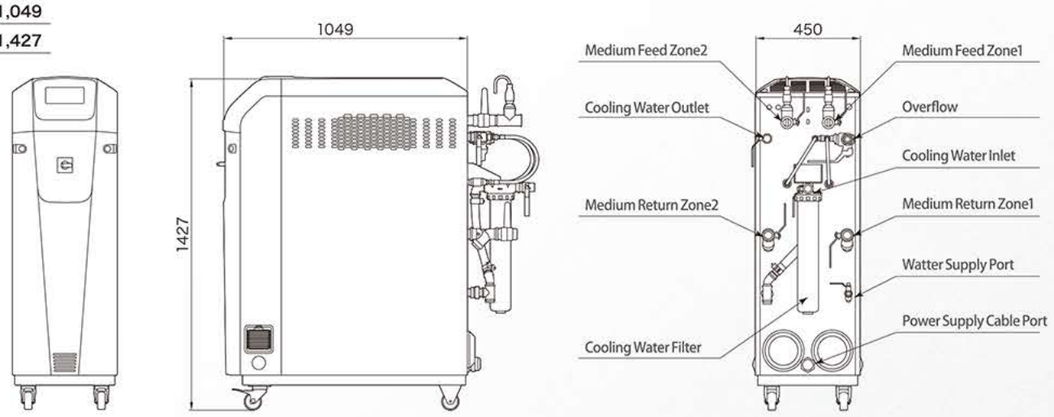
Space-saving is achieved by downsizing the water tank and using a pressure-resistant hose.

Quality

Cooling water filter to prevent dirt on circulating water.

Outer Dimension

(mm)
W: 450
D:1,049
H:1,427



Operability

Easy-to-see 7" large touch-panel.

7" color LCD touch-panel with high visibility.

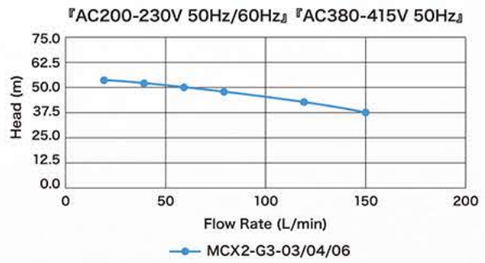
Various setting conditions and operating states are comprehensible at a glance on one screen.

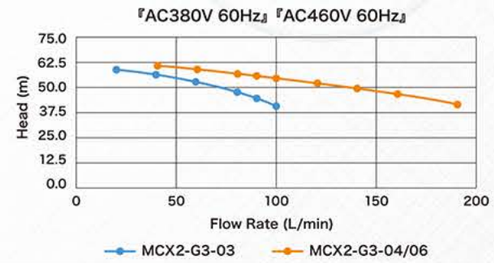
Select necessary operation data, such as temperature and pressure. Then check it in a graph.

Display the contents of the alarm, history, and countermeasures on a screen.

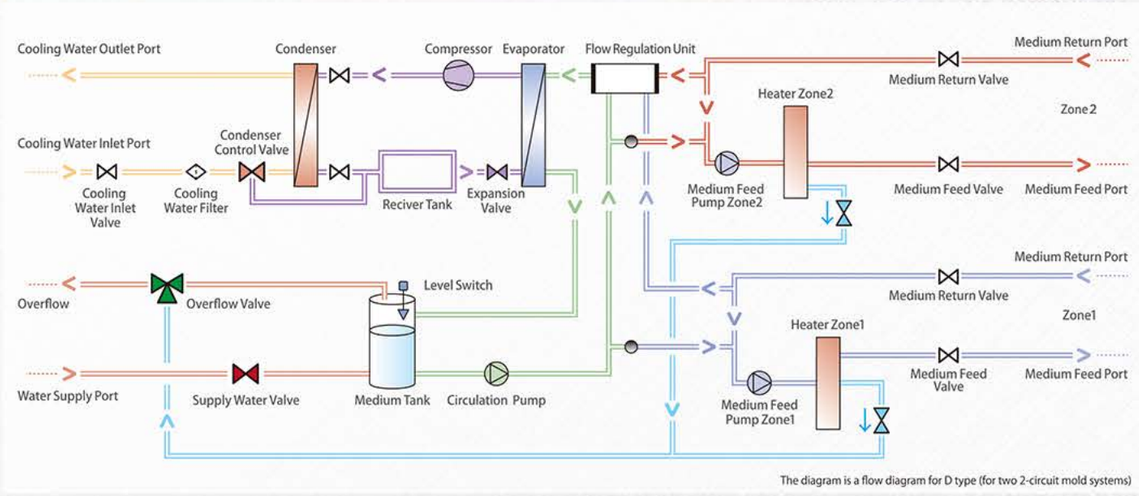
Pump Performance Curve

Adopted large flow and high pressure pump





Flow Diagram



The diagram is a flow diagram for D type (for two 2-circuit mold systems)