Specifications

As of MARCH 1, 2023

Model		Voltage	Unit	MJ6-i-G3-30	MJ6-i-G3-50	MJ6-i-G3-75	MJ6-i-G3-135
Power Supply	Operation Circuit Voltage		V	AC100V , DC24V			
	Apparent Power	200V 50/60Hz	kVa	6.7	7.2	8.2	13.5
		220V 60Hz		7.3	7.9	9.1	15.3
		230V 60Hz		6.9	7.5	8.8	13.8
		380V 50/60Hz		6.5	7	8.1	13.3
		400V 50/60Hz		6.8	7.4	8.6	14.2
		415V 50/60Hz		7.1	7.7	9	14.9
		460V 60Hz		7.3	7.8	9	14.9
	Breaker Capacity		A	30			50
Air	Pressure		Mpa	0.5			
	Flow Rate		L/h	10			
	Diameter		mm	ϕ6			
Operating Temp.			℃	70～160［At ambient temperature of 10℃ to 35℃］			
Dew-point ＊1			℃	-40～-60℃ (Minimum)			
Volume ＊2			kg	30	50	75	135
			L	50	85	130	225
Drying Heater	Capacity	200V 50/60Hz	kW	2.1		2.4	5.4
		220V 60Hz		2.5		2.9	6.5
		230V 60Hz		2.3		2.6	5.4
		380V 50/60Hz		2.1		2.4	5.4
		400V 50/60Hz		2.3		2.7	6
		415V 50/60Hz		2.5		2.9	6.4
		460V 60Hz		2.3		2.6	5.9
Conveying Blower	Output		kW	1.1(50Hz)/1.5(60Hz)			
		(230V/460V/60Hz)		1.5			
Conveying Distance	Primary Side		m	10			
	Secondary Side		m	5			
Drying Blower	Output		kW	0.28		0.42	1.15
Regeneration Blower	Output		kW	0.28			0.42
Regeneration Heater	Capacity	200V 50/60Hz	kW	1	1.5	2.1	3.1
		220V 60Hz		1.2	1.8	2.5	3.8
		230V 60Hz		1.1	1.7	2.3	3.1
		380V 50/60Hz		1	1.5	2.1	3.1
		400V 50/60Hz		1.1	1.7	2.3	3.4
		415V 50/60Hz		1.2	1.8	2.5	3.7
		460V 60Hz		1.1	1.6	2.3	3.4
Absorption Tower Motor Control	Output		W	25			
Control	Drying Temp.Control			PID Control Heater, Non-Contact Relay			
	Regenerational Temp.Control			PID Control Heater, Non-Contact Relay			
	Schedule Timer			Set individually in one week (Monday to Sunday)			
	External Control (Startup)			External Non-voltage Contact (Incoming Current: 5 mA (DC 24V))			
Piping	Conveying		mm	ϕ38 PVC Hose			
Product Weight			kg	265	275	290	395
Alarm or Protection Circuit				Overheat Protection (Drying & Regeneration Temp.), Blower Overload, Drying & Regenerating Blower Reversal Prevention			

＊1 Ambient Condition: Temperature 30°C Relative Humidity 75%(DP+25°C) Air Inflow: 10%
When it falls below the above conditions, the minimum dew point (-60°C) could be obtained

＊2 Volume is that of when using virgin materials with bulk density of 0.6kg/L.

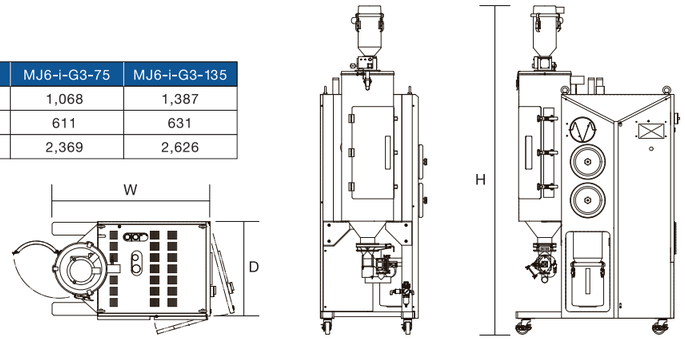
＊For product improvement, specifications in this catalog may be changed without prior notice.

Options

Alarm indicator , Weekly timer , Dew point monitor , Power meter , Leakage breaker , Connecting JET SELECTOR , Semi-Circulation , Full Exhausts
The secondary convey: 2 directions , After Cooler (water-cooling) , Lower limit level meter , External alarm buzzer , Gas processor , DIGI-PECA
Instantaneous power failure timer , SPI Modbus communication(RS-485)

Outer Dimension

Model	Unit	MJ6-i-G3-30	MJ6-i-G3-50	MJ6-i-G3-75	MJ6-i-G3-135
Width	mm	985	993	1,068	1,387
Depth	mm	611	611	611	631
Height	mm	2,046	2,369	2,369	2,626



MATSUI®

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MATSUI®

Dehumidifying Dryer

MJ6-i

Dehumidifying Dryer

Dehumidifying Drying Reaches *the Next Stage* with Optimal Control

No more loss
in your drying system.

3 Hopper

4 Push Damper

5 Dust Box

1 Touch screen

An interface design allows intuitive operation


Operation status display

Drying timer settings display


Drying status display

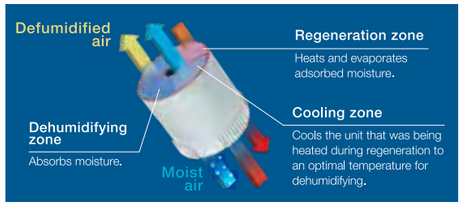

Timer setting display

2 Honeycomb

Create stable drying conditions!

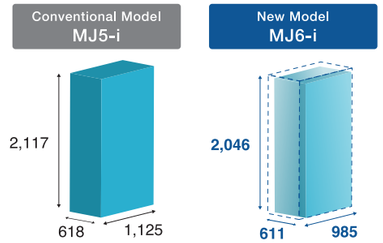
Realizes a low dew point with defumidified air that removes moisture from the air

Moisture in the air is removed with an adsorbent to create defumidified air, which is heated and sent into the hopper to dry the resin in the hopper.



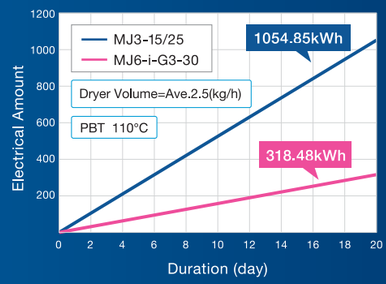
Space-saving compared to the conventional model

Downsized the main unit while maintaining its basic performance and functionality by reconsidering the internal layout. Greatly contributes to space efficiency in the work sites.



Energy-saving operation reduces the temperature drop of dried resin through further advances in the continuous operation system and air flow rate control.

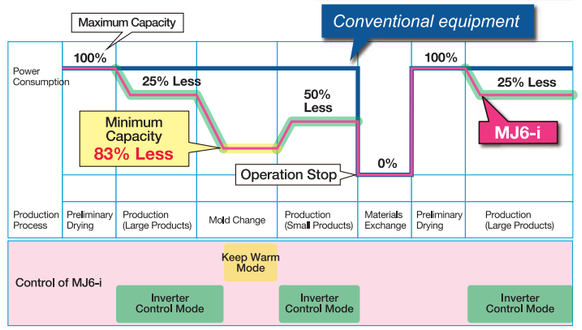
By continuously monitoring its operating state, the system automatically selects the operating mode with the most energy savings.



*Depending on the conditions, this may not be thecase.

Example of energy saving control

Air flow rate adjustment,over heat protectionand yellowing protection



Improved drying capacity

Resin drying capacity per hour improved to achieve a higher grade of drying efficiency.

Push Damper

Prevents unnecessary heat exhaust during material discharge in the material conveying hoses and reduces the temperature drop after drying.

Dust Box

Front-of-system access helps to finish troublesome routine maintenance of the dust box quickly.