

Machine

• J-EIII Medium

• J-EIII Large

• J-ELIII Small& Medium

• J-ELIII Large

Medium Size Injection Molding Machine

J310EIII

Standard Equipment

Optional Equipment

Specifications

Welcome to JSW PMI Web site.

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Contact Us

master@jswpmi.com

Item		Grade	J310EIII		
Injection Unit	Screw cylinder type		A	B	C
	Screw diameter in		2.60	2.83	3.39
	Injection pressure (Max.) psi		26100	21900	15300
	Theoretical injection capacity in ³		54.3	64.7	92.1
	Injection capacity [GP-PS] oz		28.6	34.0	48.5
	Injection rate in ³ /sec		20.9	24.8	35.5
	Plasticizing rate [GP-PS] oz/sec		2.21	2.65	3.33
	Screw speeds High torque [Max.] rpm Low torque [Max.] rpm		155 200		
	Screw stroke in		10.236		
	Nozzle stroke from platen in		2.0		
	Type of nozzle		Open nozzle		
	Cylinder temperature control		Cylinder 4, nozzle 1		
	Clamping Unit	Mechanism		Double toggle	
Clamping force US ton		309			
Daylight opening [Max.] in		43.307			
Opening stroke [Max.] in		22.44			
Mold height in		9.843~20.867			
Distance between tie-bars [HXV] in		24.8 X 24.8			
Platen size [HXV] in		37.4 X 37.4			
Hydraulic ejector		Cross line [13 points]			
Ejector force / stroke US ton/in		7.76/ 5.118			
Mold closing / opening speeds ft/min		213-171			
Electrical Equipment	Pump driving motor HP		60		
	Heater wattage kW		24.5		
	Mold height adjusting motor HP		2		
	Total power capacity kW		70.5		
Machine Dimensions and General	Machine weight US ton		14.3		
	Machine dimensions [LXWXH] ft		23.30 X 4.99 X 7.61		
	Hydraulic oil reservoir US gal		137.3		
	Hopper capacity ft ³		4.39		

- Remarks:
1.

The theoretical injection capacity is cross sectional area of cylinder X stroke of screw.

2.

The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.

3.

The plasticizing rate is applicable for GP-PS.

4.

The total power capacity does not include power for the mold height adjusting motor (as it is not used while the machine is operated).

5.

PC (polycarbonate), HPVC, engineering plastic, etc., low temperature setting, and high speed molding, may require a high torque depending on the grade or molding conditions. Please contact us for more information.
- Notes:

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Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.

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Performance specifications are based on theoretical data.

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Due to continual improvements, specifications are subject to change without notice.