Large Size Injection Molding Machine

J650EⅢ

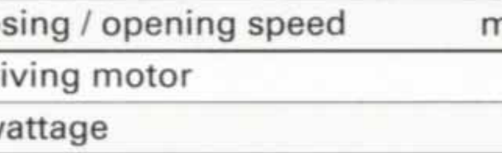
■ Specifications

Item			Injection unit	2300H		3200H	
Injection Unit	Screw cylinder type			A	B	A	B
	Screw diameter		mm	83	92	92	100
	Injection pressure		MPa {kgf /cm^2}	189 {1920}	153 {1560}	179 {1820}	152 {1540}
	Theoretical injection capacity		cm^3	2299	2825	3190	3768
	Injection capacity【GP-PS】		g	2092	2570	2903	3429
	Injection rate		cm^3/s	550 (458)	675 (563)	579 (483)	684 (570)
	Plasticizing rate【GP-PS】		kg/h	300 (250)	380 (317)	360 (300)	430 (358)
	Screw speed	High torque〔Max.〕	min^{-1}	110 (92)		70 (58)	
		Low torque〔Max.〕	min^{-1}	150 (125)		140 (117)	
	Screw stroke		mm	425		480	
	Nozzle stroke from platen		mm	50			
	Type of nozzle			Open nozzle			
	Cylinder temperature control			Cylinder 4, nozzle 1			
Clamping Unit	Mechanism			Double toggle			
	Clamping force		kN {tf}	6380 {650}			
	Daylight opening〔Max.〕		mm	1950			
	Opening stroke〔Max.〕		mm	950			
	Mold height		mm	450～1000			
	Distance between tie-bars〔H×V〕		mm	950×950			
	Platen size〔H×V〕		mm	1370×1370			
	Hydraulic ejector			Cross line〔21 points〕			
	Ejector force / stroke		kN {tf}/mm	167 {17} / 180			
	Mold closing / opening speed		m/min	65-61 (54-51)			
Electrical Equipment	Pump driving motor		kW	75			
	Heater wattage		kW	37.95		46.65	
	Mold height adjusting motor		kW	3.7			
	Total power capacity		kW	115		124	
Machine Dimensions and General	Machine weight		t	31		32	
	Machine dimensions 〔L×W×H〕		m	10.3×2.2×2.4		10.8×2.2×2.4	
	Hydraulic oil reservoir		L	1100			
	Hopper capacity		L	124〔optional〕		170〔optional〕	

■ Block System

〔Code〕 **J650EⅢ-2300H**

- Injection unit
- Clamping force



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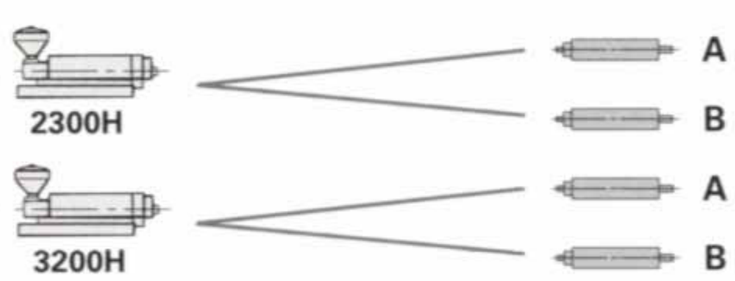
Injection unit



Screw cylinder type

Remarks:

1) The theoretical injection capacity is (cross sectional area of cylinder) × (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) Figures in parenthesis are applicable for 50 Hz power source.
6) 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 if you plan.

Notes:

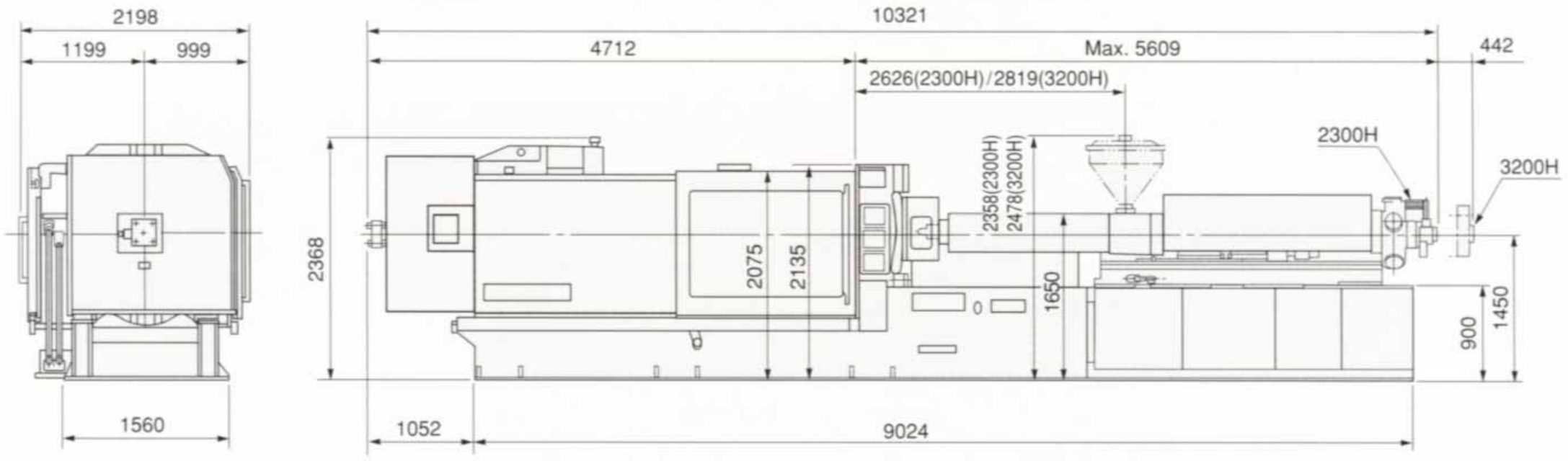
- Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
- Performance specifications are based on theoretical data.
- Due to continual improvements, specifications are subject to change without notice.
- 1MPa=10.2kgf/cm^2, 1kN=0.102tf

■ Machine Dimensions

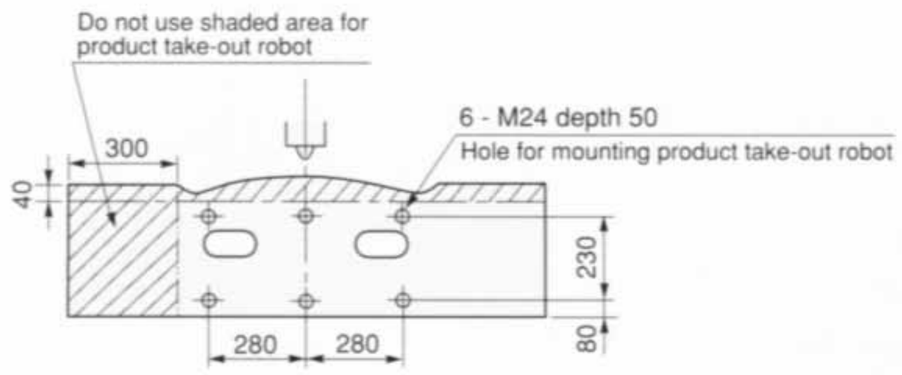
J650EⅢ

Machine dimensions (L×W×H) m

J650EⅢ-2300H	10.3×2.2×2.4
J650EⅢ-3200H	10.8×2.2×2.4



■ Mold Dimensions and Relative Equipment



Stationary platen top