Performance Table

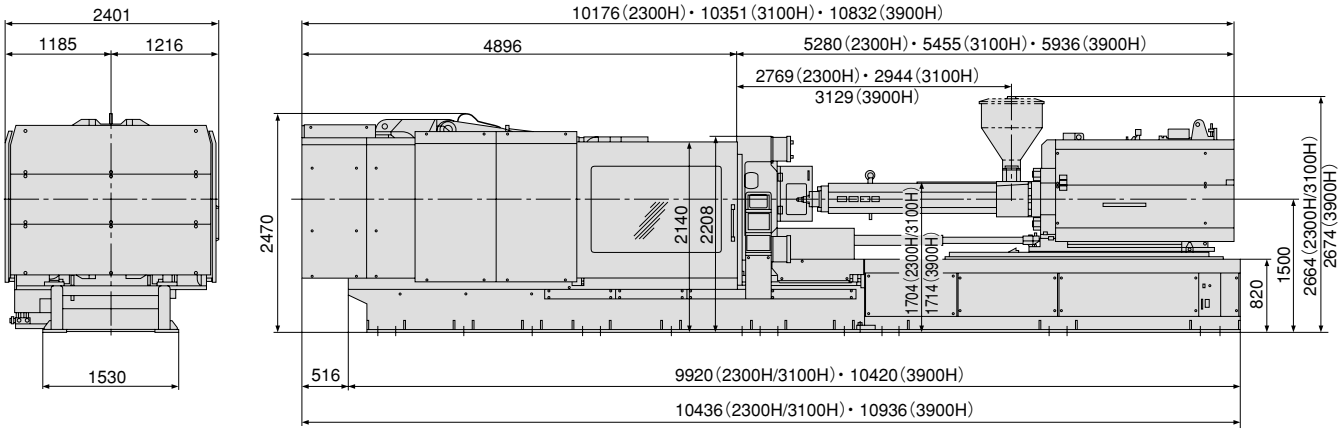
Unit	Item \ Model	J650ELⅢ					
		2300H		3100H		3900H	
Injection Unit	Screw cylinder type	A	B	A	B	A	B
	Screw diameter mm	84	92	92	100	100	110
	Screw stroke mm	420		460		500	
	Theoretical injection capacity cm^3	2328	2792	3058	3613	3927	4752
	Injection capacity (GP-PS) g	2118	2541	2783	3288	3574	4324
	Injection pressure (Max.) MPa {kgf/cm^2}	190 {1930}	158 {1610}	185 {1880}	156 {1590}	185 {1880}	153 {1560}
	Holding pressure (Max.) MPa {kgf/cm^2}	171 {1740}	142 {1440}	167 {1700}	140 {1420}	167 {1700}	138 {1400}
	Injection speed mm/s	160		160		160	
	Injection rate cm^3/s	887	1064	1064	1257	1257	1521
	Plasticizing rate (GP-PS) kg/h	370	470	470	580	500	620
	Screw speed min^{-1}	165		165		140	
	Nozzle touch force kN {tf}	59.0 {6.0}		59.0 {6.0}		59.0 {6.0}	
	Nozzle stroke from platen mm	50					
	Type of nozzle	Open nozzle					
	Cylinder temperature control	Cylinder 4 / Nozzle 1					
	Heater wattage kW	40.0		45.2		47.0	
Clamping Unit	Mechanism	Double toggle					
	Clamping force kN {tf}	6380 {650}					
	Daylight opening (Max.) mm	2000					
	Opening stroke (Max.) mm	1000					
	Mold height mm	450～1000					
	Distance between tie-bars (H×V) mm	1060×960					
	Platen size (H×V) mm	1500×1400					
	Ejector type	25 points					
	Ejector force kN {tf}	177 {18.0}					
	Ejector stroke mm	200					
General	Machine weight t	41		41		44	
	Machine dimensions (L×W×H) m	10.44×2.40×2.47		10.44×2.40×2.47		10.94×2.40×2.47	

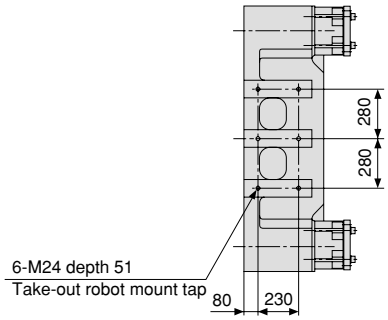
Remarks:
1.Injection pressure of J-EL Ⅲ series is different from that of JSW's hydraulic machines.
2.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
3.The theoretical injection capacity is (cross sectional area of cylinder) × (stroke of screw).
4.The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
5.The plasticizing rate is applicable for GP-PS.
6.PC (polycarbonate), HPVC, other 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.

Note:
1.Due to continual improvements, specifications are subject to change without notice.
2.Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
3.Performance specifications are based on theoretical data.
4.1MPa=10.2 kgf/cm^2,1kN=0.102tf

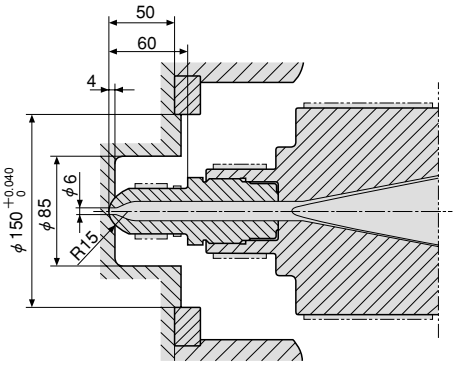
Equipment Dimensions and Mold Related Dimensions

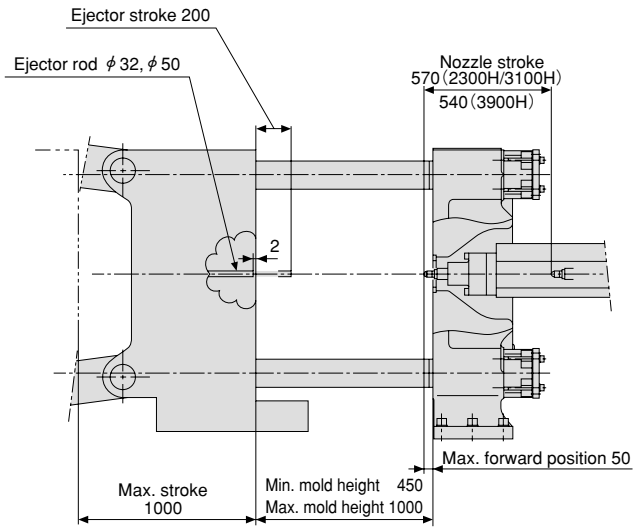
J650EL Ⅲ

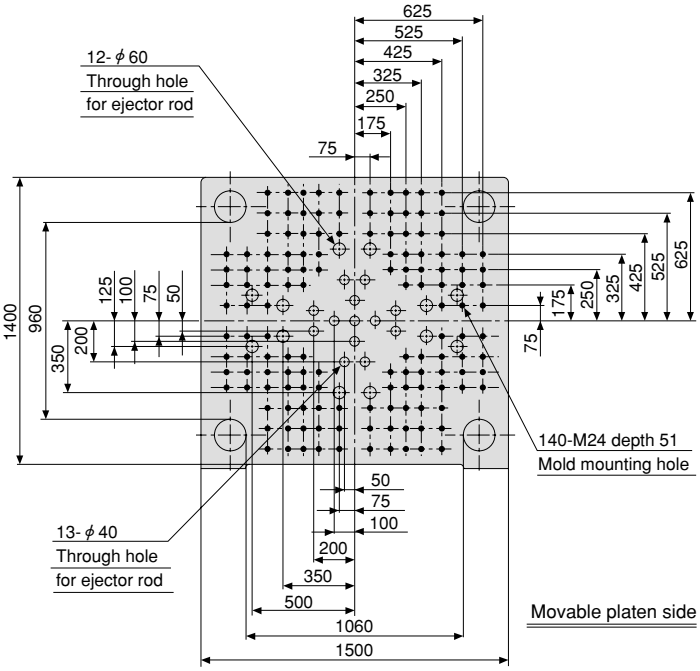




Upper surface of stationary platen







Movable platen side