Performance Table

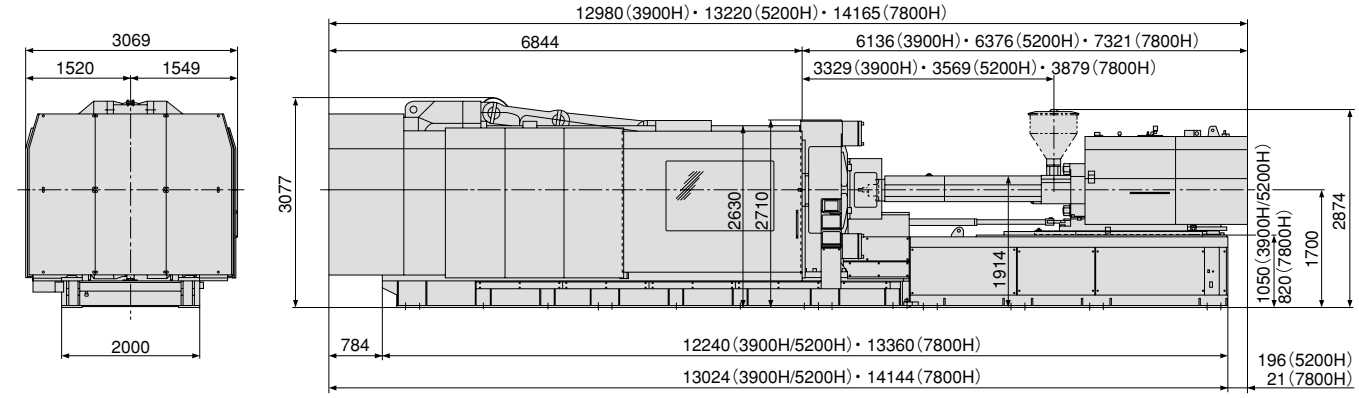
Unit	Item \ Model	J1300ELⅢ					
		3900H		5200H		7800H	
Injection Unit	Screw cylinder type	A	B	A	B	A	B
	Screw diameter mm	100	110	110	120	110	120
	Screw stroke mm	500		550		825	
	Theoretical injection capacity cm^3	3927	4752	5227	6220	7840	9331
	Injection capacity (GP-PS) g	3574	4324	4757	5660	7135	8491
	Injection pressure (Max.) MPa {kgf/cm^2}	185 {1880}	153 {1560}	172 {1750}	144 {1460}	180 {1830}	151 {1530}
	Holding pressure (Max.) MPa {kgf/cm^2}	167 {1700}	138 {1400}	155 {1580}	130 {1320}	162 {1650}	136 {1380}
	Injection speed mm/s	160		160		150	
	Injection rate cm^3/s	1257	1521	1521	1810	1425	1696
	Plasticizing rate (GP-PS) kg/h	500	620	580	720	570	660
	Screw speed min^{-1}	140		130		150	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				Cylinder 6 / Nozzle 2	
	Heater wattage kW	47.0		55.0		59.0	
Clamping Unit	Mechanism	Double toggle					
	Clamping force kN {tf}	12800 {1300}					
	Daylight opening (Max.) mm	2800					
	Opening stroke (Max.) mm	1500					
	Mold height mm	650～1300					
	Distance between tie-bars (H×V) mm	1400×1400					
	Platen size (H×V) mm	2000×2000					
	Ejector type	29 points					
	Ejector force kN {tf}	300 {30.5}					
	Ejector stroke mm	250					
General	Machine weight t	89		89		91	
	Machine dimensions (L×W×H) m	13.02×3.07×3.08		13.22×3.07×3.08		14.17×3.07×3.08	

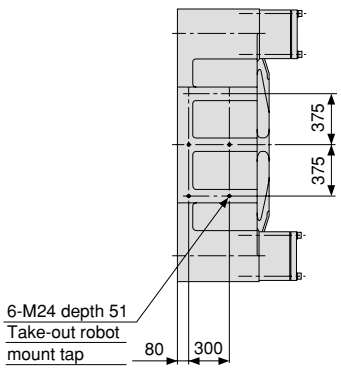
Remarks:
1.Injection pressure of J-EL Ⅲ series is different from that of JSW's hydraulic machines.
2.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
3.The theoretical injection capacity is (cross sectional area of cylinder) × (stroke of screw).
4.The 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

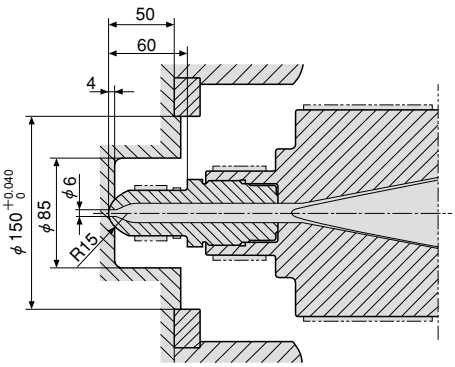
Equipment Dimensions and Mold Related Dimensions

J1300EL Ⅲ

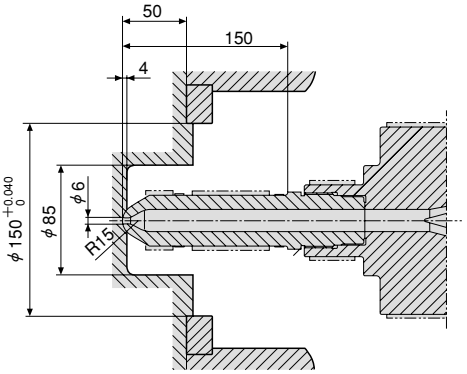




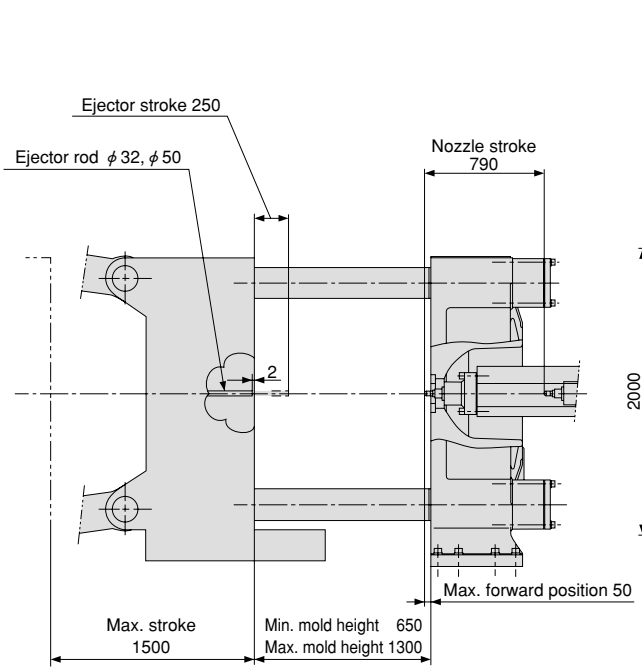
Upper surface of stationary platen

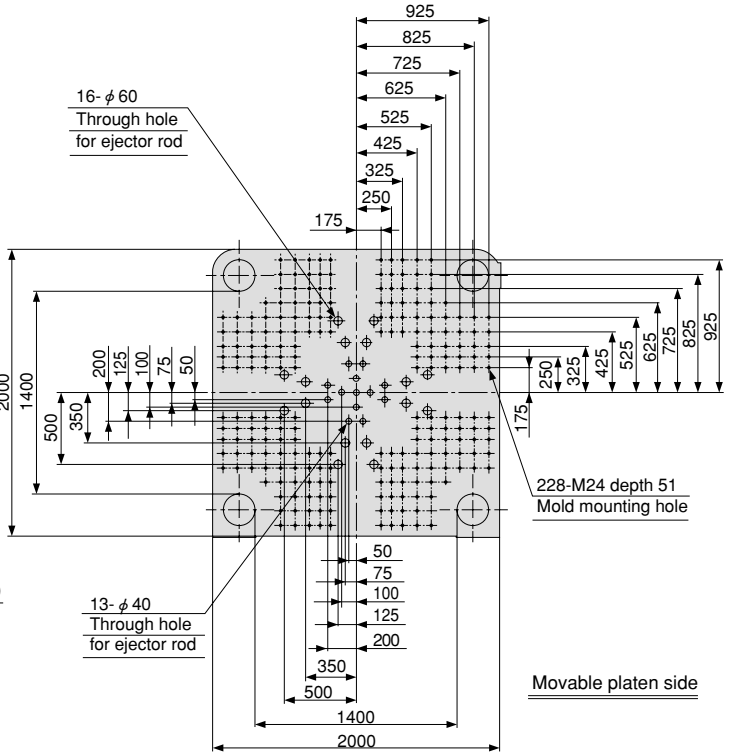


3900H / 5200H



7800H





Movable platen side