Performance Table

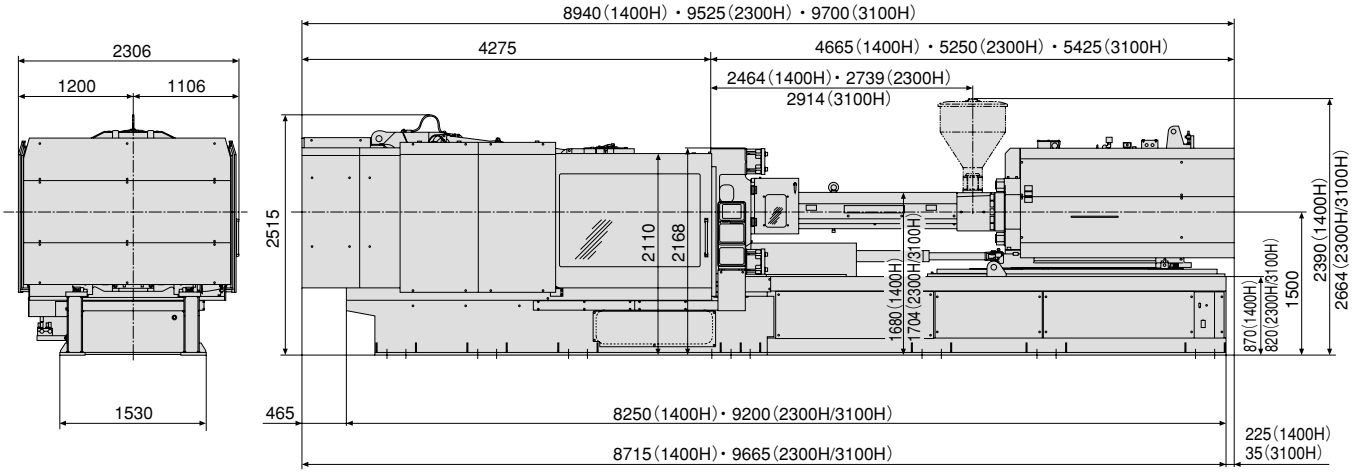
Unit	Item \ Model	J550ELⅢ						
		1400H			2300H		3100H	
Injection Unit	Screw cylinder type	K (OP)	A	B	A	B	A	B
	Screw diameter mm	66	76	84	84	92	92	100
	Screw stroke mm	300			420		460	
	Theoretical injection capacity cm^3	1026	1361	1663	2328	2792	3058	3613
	Injection capacity (GP-PS) g	934	1238	1513	2118	2541	2783	3288
	Injection pressure (Max.) MPa {kgf/cm^2}	241 {2450}	182 {1850}	149 {1510}	190 {1930}	158 {1610}	185 {1880}	156 {1590}
	Holding pressure (Max.) MPa {kgf/cm^2}	216 {2200}	163 {1660}	134 {1360}	171 {1740}	142 {1440}	167 {1700}	140 {1200}
	Injection speed mm/s	160			160		160	
	Injection rate cm^3/s	547	726	887	887	1064	1064	1257
	Plasticizing rate (GP-PS) kg/h	237	338	418	370	470	470	580
	Screw speed min^{-1}	210			165		165	
	Nozzle touch force kN {tf}	39.3 {4.0}			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	34.9			40.0		45.2	
Clamping Unit	Mechanism	Double toggle						
	Clamping force kN {tf}	5400 {550}						
	Daylight opening (Max.) mm	1700						
	Opening stroke (Max.) mm	900						
	Mold height mm	400～800						
	Distance between tie-bars (H×V) mm	960×900						
	Platen size (H×V) mm	1380×1320						
	Ejector type	21 points						
	Ejector force kN {tf}	118 {12.0}						
	Ejector stroke mm	180						
General	Machine weight t	32			35		35	
	Machine dimensions (L×W×H) m	8.94×2.31×2.52			9.67×2.31×2.52		9.70×2.31×2.52	

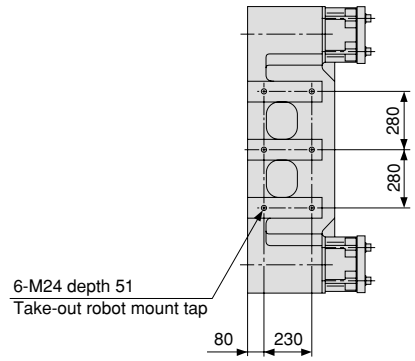
Remarks:
1.Injection pressure of J-ELⅢ series is different from that of JSW's hydraulic machines.
2.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
3.The theoretical injection capacity is (cross sectional area of cylinder)×(stroke of screw).
4.The injection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

J550EL Ⅲ





Upper surface of stationary platen