J450AD

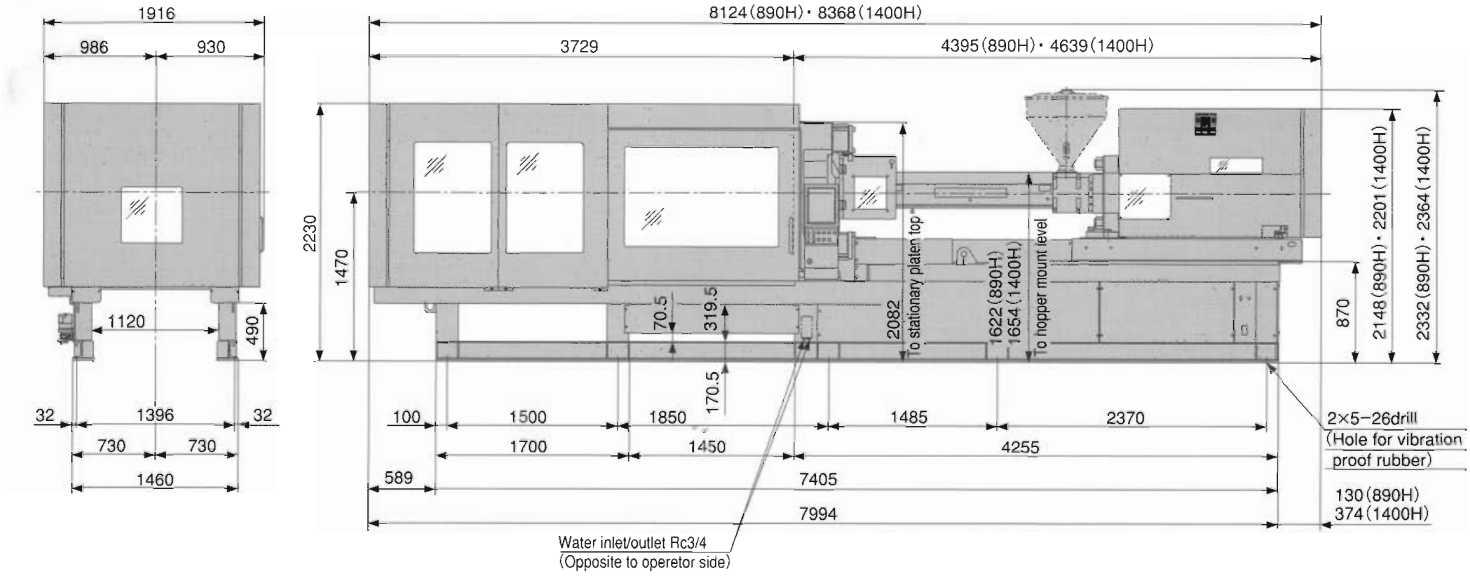
Performance Table

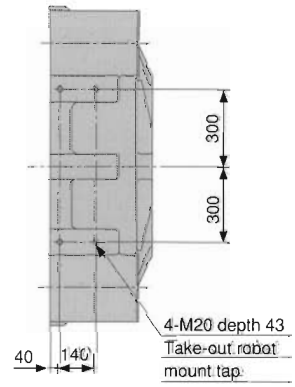
Unit	Item \ Model		J450AD					
			890H			1400H		
Injection Unit	Screw cylinder type		K(OP)	A	B	K(OP)	A	B
	Screw diameter	mm	58	66	72	66	76	84
	Screw stroke	mm	260			300		
	Theoretical injection capacity	cm^3	687	890	1059	1026	1361	1663
	Injection capacity (GP-PS)	g	625	810	965	934	1238	1513
	Standard: Injection pressure (Max.)	MPa {kgf/cm^2}	229 {2330}	177 {1800}	149 {1510}	241 {2450}	182 {1850}	149 {1510}
	Standard: Holding pressure (Max.)	MPa {kgf/cm^2}	208 {2120}	161 {1640}	135 {1370}	216 {2200}	163 {1660}	134 {1360}
	Standard: Injection speed	mm/s	160			160		
	Standard: Injection rate	cm^3/s	423	547	651	547	726	887
	Standard: Plasticizing rate (GP-PS)	kg/h	197	282	336	237	338	418
	Standard: Screw speed	min^{-1}	250			210		
	High speed (OP): Injection pressure (Max.)	MPa {kgf/cm^2}	229 {2330}	177 {1800}	149 {1510}	241 {2450}	182 {1850}	149 {1510}
	High speed (OP): Holding pressure (Max.)	MPa {kgf/cm^2}	208 {2120}	161 {1640}	135 {1370}	216 {2200}	163 {1660}	134 {1360}
	High speed (OP): Injection speed	mm/s	270			270		
	High speed (OP): Injection rate	cm^3/s	713	924	1099	924	1225	1496
	High speed (OP): Plasticizing rate (GP-PS)	kg/h	197	282	336	237	338	418
	High speed (OP): Screw speed	min^{-1}	250			210		
	Nozzle touch force	kN {tf}	29.6 {3.0}			39.3 {4.0}		
	Nozzle stroke from platen	mm	50					
	Type of nozzle		Open nozzle (Tip type)					
	Cylinder temperature control		Cylinder 4 / Nozzle 1					
	Heater wattage	kW	23.8			34.7		
Clamping Unit	Mechanism		Double toggle					
	Clamping force	kN {tf}	4420 {450}					
	Daylight opening (Max.)	mm	1600					
	Opening stroke (Max.)	mm	800					
	Mold height	mm	350~800					
	Distance between tie-bars (H×V)	mm	810×810 (900×810)*					
	Platen size (H×V)	mm	1210×1210 (1300×1210)*					
	Ejector point		17 points					
	Ejector force	kN {tf}	99.0 {10.0}					
	Ejector stroke	mm	180					
General	Machine weight	t	23.4 (24.0)*			25.0 (25.6)*		
	Machine dimensions (L×W×H)	m	8.12×1.92×2.23			8.37×1.92×2.23		

Remarks:
1. Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2. The theoretical injection capacity is (cross sectional area of cylinder) × (stroke of screw).
3. The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4. The plasticizing rate is applicable for GP-PS.
5. PC, 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.

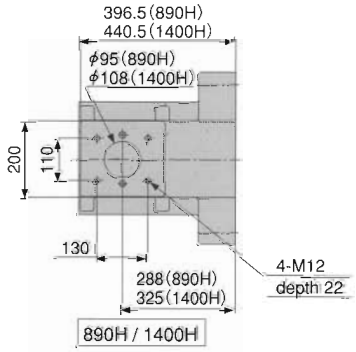
Note:
1. Due to continual improvements, specifications are subject to change without notice.
2. Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
3. Performance specifications are based on theoretical data.
4. High speed injection is optional.
5. The ( )* in the table is the value of wide platen specification. (option)
6. 1MPa=10.2 kgf/cm^2, 1kN=0.102tf

Equipment Dimensions and Mold Related Dimensions

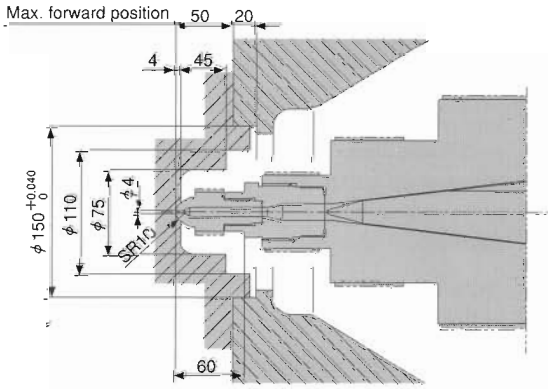


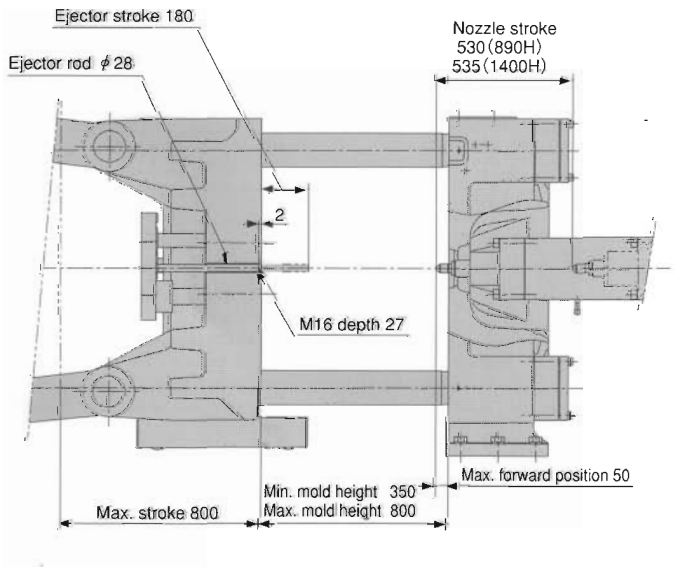


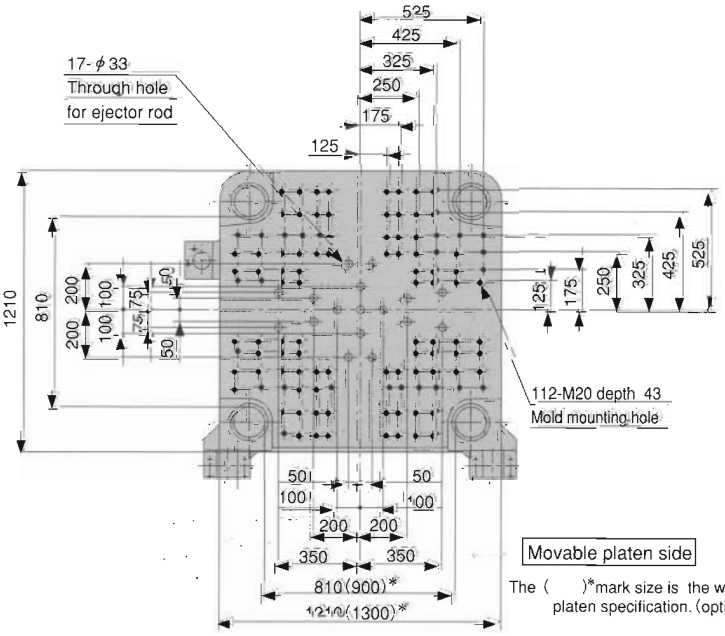
Upper surface of stationary platen



Hopper mount







Movable platen side

The ( )*mark size is the wide platen specification. (option)