

## Performance Table

Unit	Item	Model							
		J450AD			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 <sup>3</sup>	687	890	1059	1026	1361	1663	
	Injection capacity (GP-PS)	g	625	810	965	934	1238	1513	
	Standard	Injection pressure(Max.)	MPa {kgf/cm <sup>2</sup> }	229 {2330}	177 {1800}	149 {1510}	241 {2450}	182 {1850}	149 {1510}
		Holding pressure(Max.)	MPa {kgf/cm <sup>2</sup> }	208 {2120}	161 {1640}	135 {1370}	216 {2200}	163 {1660}	134 {1360}
		Injection speed	mm/s	160			160		
		Injection rate	cm <sup>3</sup> /s	423	547	651	547	726	887
		Plasticizing rate (GP-PS)	kg/h	197	282	336	237	338	418
		Screw speed	min <sup>-1</sup>	250			210		
	High speed (OP)	Injection pressure(Max.)	MPa {kgf/cm <sup>2</sup> }	229 {2330}	177 {1800}	149 {1510}	241 {2450}	182 {1850}	149 {1510}
		Holding pressure(Max.)	MPa {kgf/cm <sup>2</sup> }	208 {2120}	161 {1640}	135 {1370}	216 {2200}	163 {1660}	134 {1360}
		Injection speed	mm/s	270			270		
		Injection rate	cm <sup>3</sup> /s	713	924	1099	924	1225	1496
		Plasticizing rate (GP-PS)	kg/h	197	282	336	237	338	418
		Screw speed	min <sup>-1</sup>	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		

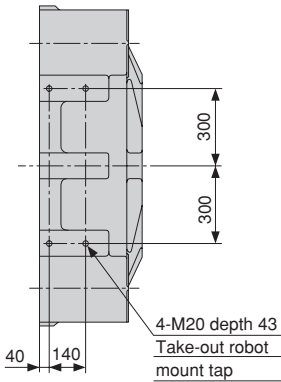
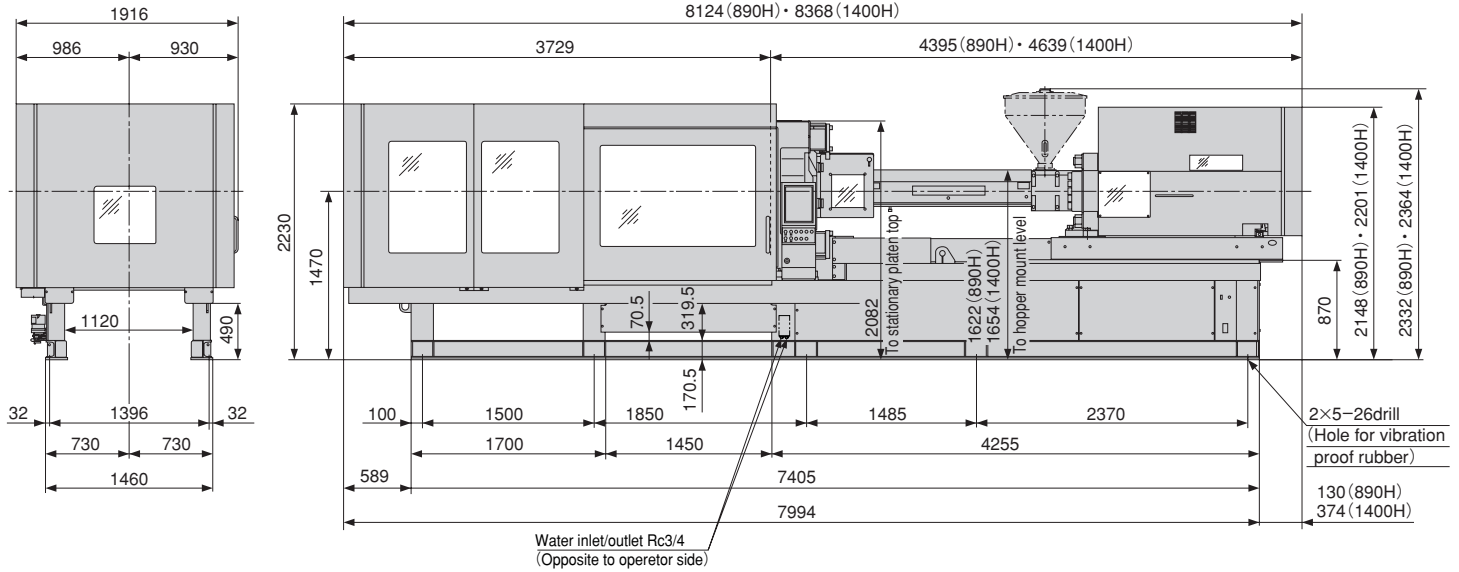
**Remarks:**

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

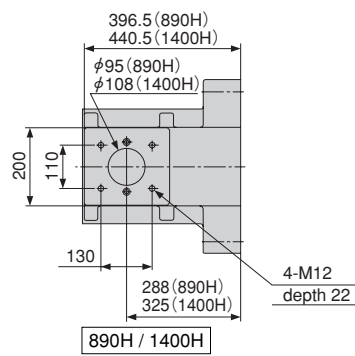
**Note:**

- Due to continual improvements, specifications are subject to change without notice.
- 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.
- High speed injection is optional.
- The ( ) \* in the table is the value of wide platen specification. (option)
- 1MPa=10.2 kgf/cm<sup>2</sup>, 1kN=0.102tf

## Equipment Dimensions and Mold Related Dimensions



Upper surface of stationary platen



Hopper mount

