J280AD

Performance Table

Unit	Item \ Model		J280AD					
			460H			890H		
Injection Unit	Screw cylinder type		K (OP)	A	B	K (OP)	A	B
	Screw diameter	mm	46	53	58	58	66	72
	Screw stroke	mm	210			260		
	Theoretical injection capacity	cm^3	349	463	555	687	890	1059
	Injection capacity (GP-PS)	g	318	421	505	625	810	965
	Standard: Injection pressure (Max.)	MPa {kgf/cm^2}	234 {2380}	177 {1800}	147 {1490}	229 {2330}	177 {1800}	149 {1510}
	Standard: Holding pressure (Max.)	MPa {kgf/cm^2}	213 {2170}	161 {1640}	134 {1360}	208 {2120}	161 {1640}	135 {1370}
	Standard: Injection speed	mm/s	160			160		
	Standard: Injection rate	cm^3/s	266	353	423	423	547	651
	Standard: Plasticizing rate (GP-PS)	kg/h	115	163	197	197	282	336
	Standard: Screw speed	min^{-1}	250			250		
	High speed (OP): Injection pressure (Max.)	MPa {kgf/cm^2}	234 {2380}	177 {1800}	147 {1490}	229 {2330}	177 {1800}	149 {1510}
	High speed (OP): Holding pressure (Max.)	MPa {kgf/cm^2}	213 {2170}	161 {1640}	134 {1360}	208 {2120}	161 {1640}	135 {1370}
	High speed (OP): Injection speed	mm/s	300			270		
	High speed (OP): Injection rate	cm^3/s	499	662	793	713	924	1099
	High speed (OP): Plasticizing rate (GP-PS)	kg/h	161	228	275	197	282	336
	High speed (OP): Screw speed	min^{-1}	350			250		
	Nozzle touch force	kN {tf}	24.6 {2.5}			29.6 {3.0}		
	Nozzle stroke from platen	mm	50					
	Type of nozzle		Open nozzle (Tip type)					
	Cylinder temperature control		Cylinder 4 / Nozzle 1					
	Heater wattage	kW	17.8			23.8		
Clamping Unit	Mechanism		Double toggle					
	Clamping force	kN {tf}	2750 {280}					
	Daylight opening (Max.)	mm	1220					
	Opening stroke (Max.)	mm	600					
	Mold height	mm	250~620					
	Distance between tie-bars (H×V)	mm	630×630 (730×630)*					
	Platen size (H×V)	mm	935×935 (1035×935)*					
	Ejector point		13 points					
	Ejector force	kN {tf}	59.0 {6.0}					
	Ejector stroke	mm	150					
General	Machine weight	t	14.4 (15.0)*			15.2 (15.8)*		
	Machine dimensions (L×W×H)	m	6.64×1.75×2.21			7.36×1.75×2.21		

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

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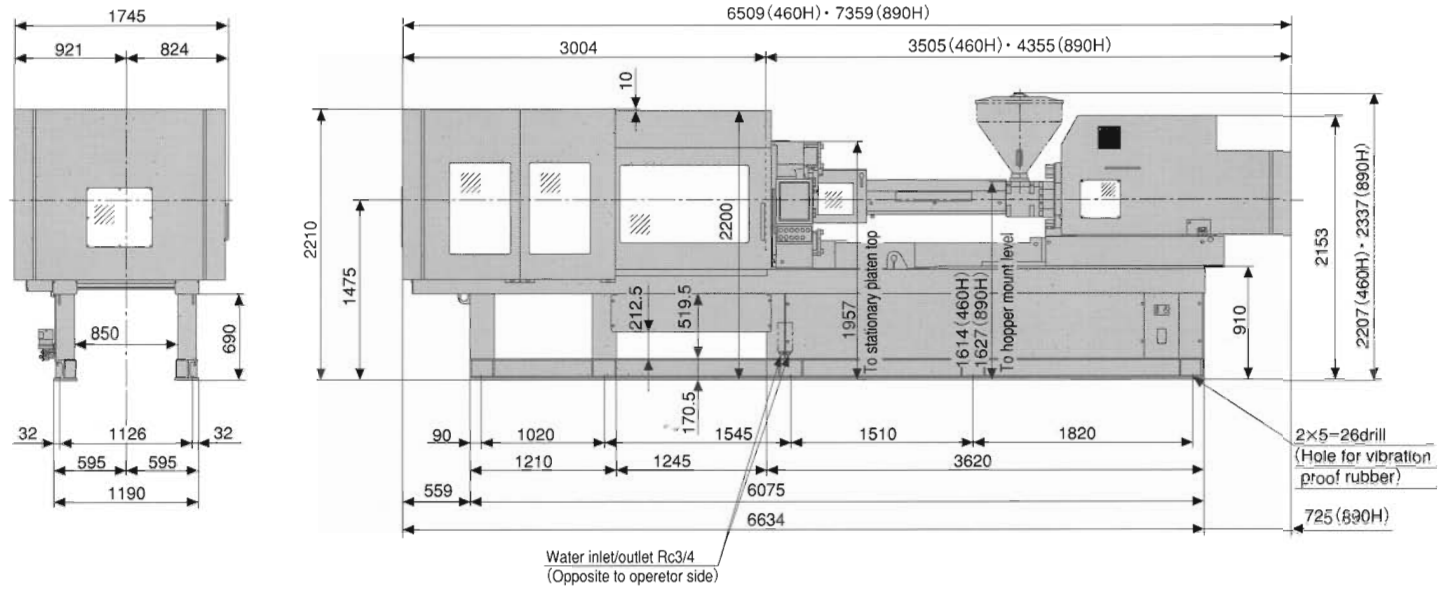
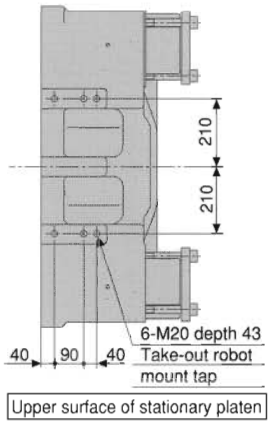
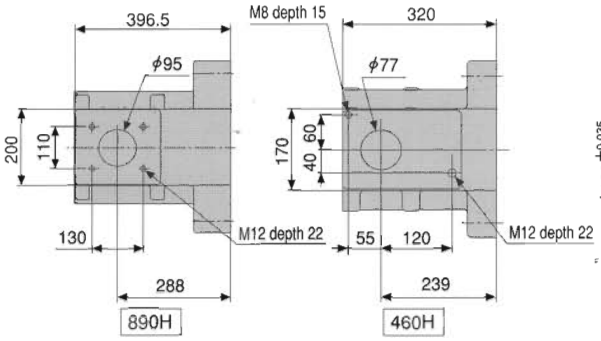
JAD SERIES

Equipment Dimensions and Mold Related Dimensions

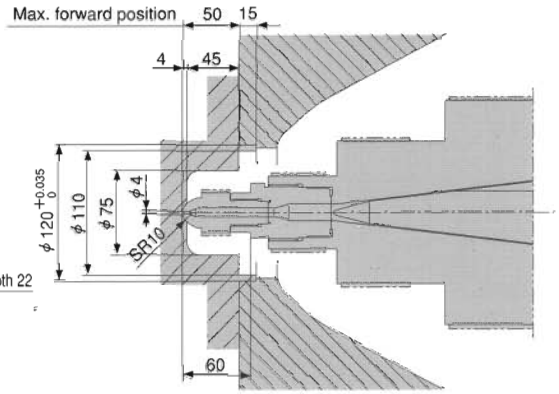


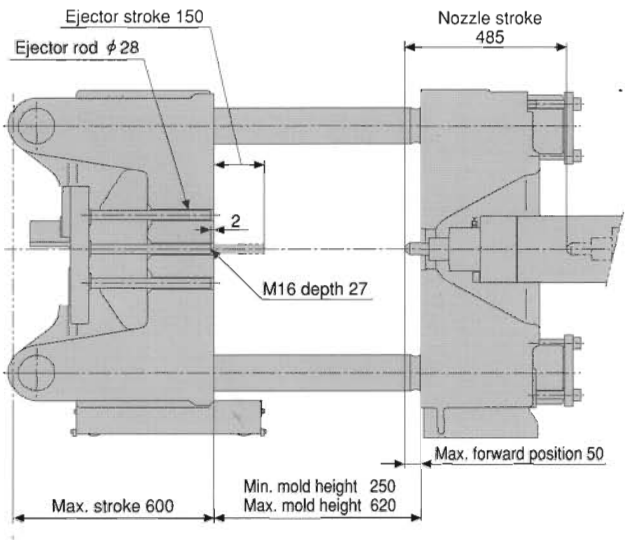


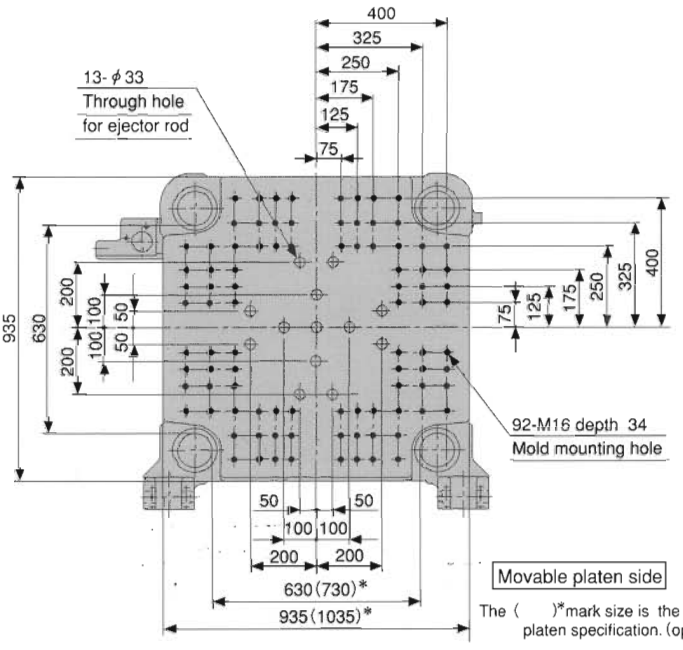
Upper surface of stationary platen



Hopper mount







Movable platen side

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