J220AD

Performance Table

Unit	Item \ Model		J220AD								
			300H			460H			890H		
Injection Unit	Screw cylinder type		K	A	B	K (OP)	A	B	K (OP)	A	B
	Screw diameter	mm	40	46	51	46	53	58	58	66	72
	Screw stroke	mm	180			210			260		
	Theoretical injection capacity	cm^3	226	299	368	349	463	555	687	890	1059
	Injection capacity (GP-PS)	g	206	273	355	318	421	505	625	810	965
	Standard: Injection pressure (Max.)	MPa {kgf/cm^2}	250 {2550}	189 {1920}	154 {1570}	234 {2380}	177 {1800}	147 {1490}	229 {2330}	177 {1800}	149 {1510}
	Standard: Holding pressure (Max.)	MPa {kgf/cm^2}	227 {2310}	172 {1750}	140 {1420}	213 {2170}	161 {1640}	134 {1360}	208 {2120}	161 {1640}	135 {1370}
	Standard: Injection speed	mm/s	240			160			160		
	Standard: Injection rate	cm^3/s	302	399	490	266	353	423	423	547	651
	Standard: Plasticizing rate (GP-PS)	kg/h	130	184	232	115	163	197	197	282	336
	Standard: Screw speed	min^{-1}	400			250			250		
	High speed (OP): Injection pressure (Max.)	MPa {kgf/cm^2}	250 {2550}	189 {1920}	154 {1570}	234 {2380}	177 {1800}	147 {1490}	229 {2330}	177 {1800}	149 {1510}
	High speed (OP): Holding pressure (Max.)	MPa {kgf/cm^2}	227 {2310}	172 {1750}	140 {1420}	213 {2170}	161 {1640}	134 {1360}	208 {2120}	161 {1640}	135 {1370}
	High speed (OP): Injection speed	mm/s	330			300			270		
	High speed (OP): Injection rate	cm^3/s	415	548	674	499	662	793	713	924	1099
	High speed (OP): Plasticizing rate (GP-PS)	kg/h	130	184	232	161	228	275	197	282	336
	High speed (OP): Screw speed	min^{-1}	400			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	13.0			17.8			23.8		
Clamping Unit	Mechanism		Double toggle								
	Clamping force	kN {tf}	2160 {220}								
	Daylight opening (Max.)	mm	1130								
	Opening stroke (Max.)	mm	550								
	Mold height	mm	230～580								
	Distance between tie-bars (H×V)	mm	590×590 (650×590)*								
	Platen size (H×V)	mm	870×870 (930×870)*								
	Ejector point		13 points								
	Ejector force	kN {tf}	44.2 {4.5}								
	Ejector stroke	mm	130								
General	Machine weight	t	12.2 (12.6)*			12.5 (12.9)*			12.9 (13.3)*		
	Machine dimensions (L×W×H)	m	6.29×1.55×2.21			6.29×1.55×2.21			7.01×1.55×2.21		

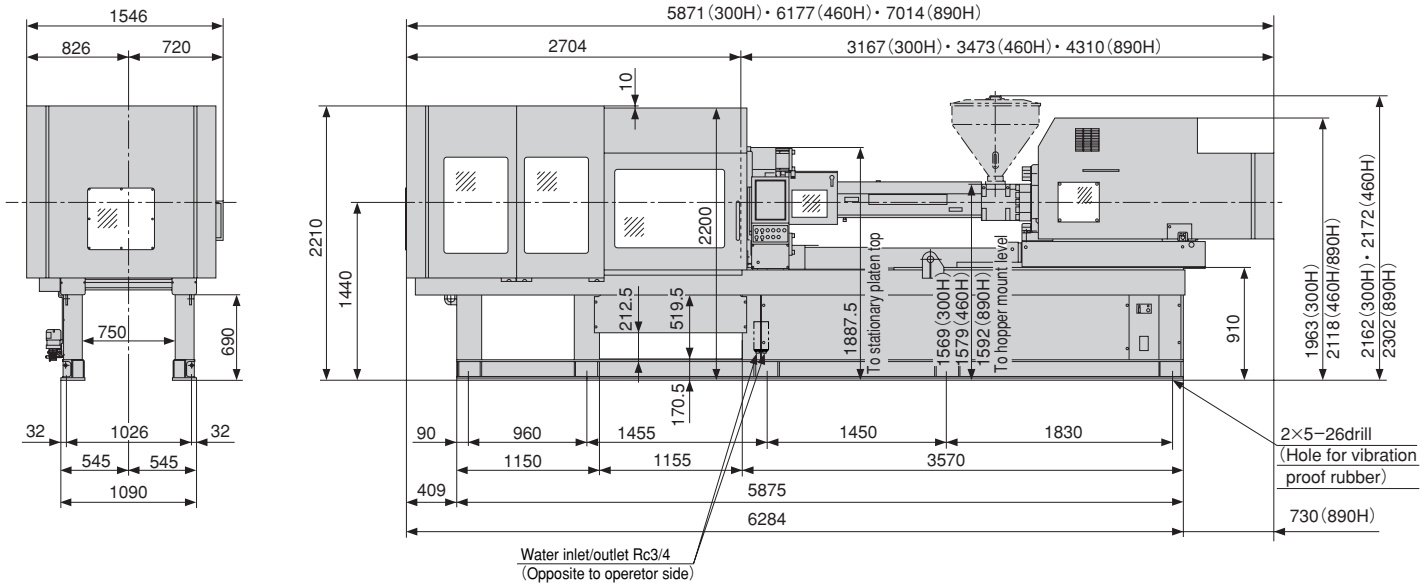
Remarks:
1.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2.The theoretical injection capacity is (cross sectional area of cylinder) × (stroke of screw).
3.The injection capacity is applicable for GP-PS and variable according to the grade of resin,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

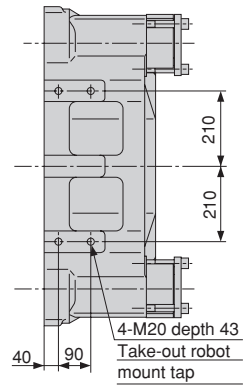
Note:
1.Due to continual improvements, specifications are subject to change without notice.
2.Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
3.Performance specifications are based on theoretical data.
4.High 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

J220AD

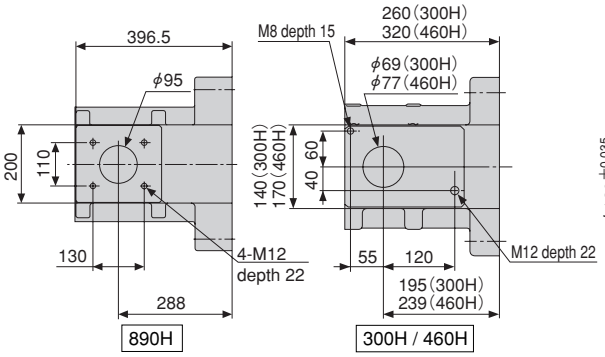
JAD SERIES

Equipment Dimensions and Mold Related Dimensions

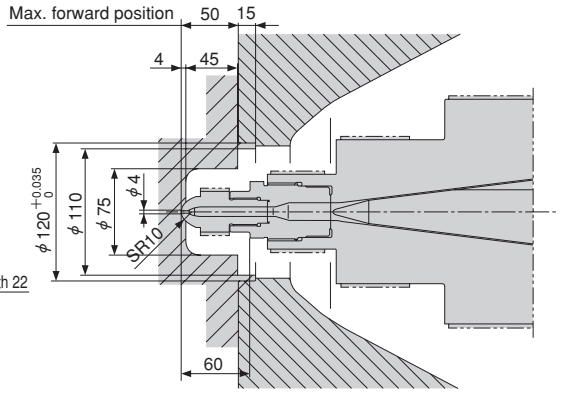


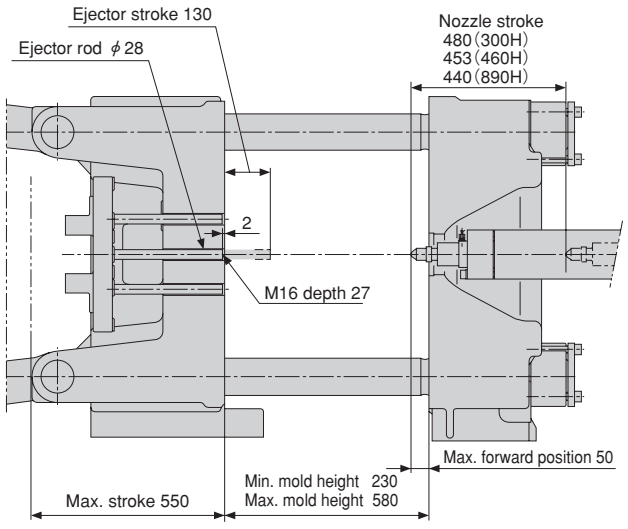


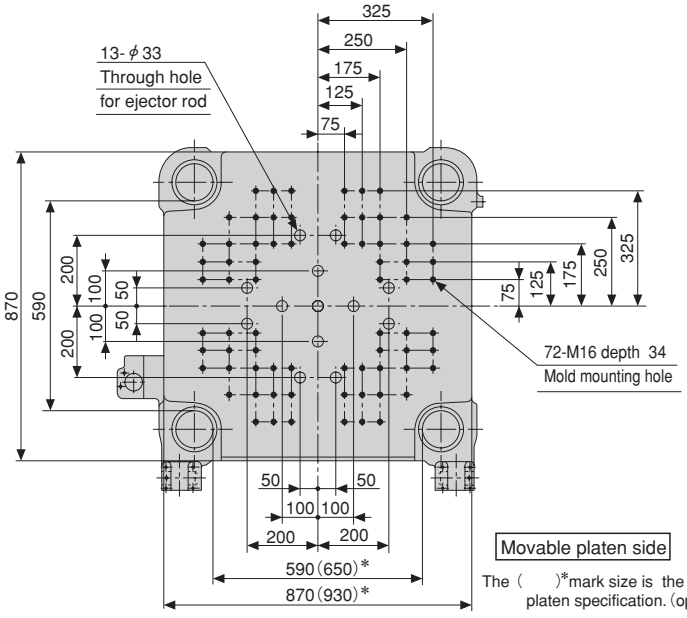
Upper surface of stationary platen



Hopper mount







Movable platen side

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