J450AD

Performance Table

Unit	Item \ Model		J450AD					
			890H			1400H		
Injection Unit	Screw cylinder type		K(OP)	A	B	K(OP)	A	B
	Screw diameter	in	2.28	2.60	2.83	2.60	2.99	3.31
	Screw stroke	in	10.236			11.811		
	Theoretical injection capacity	in^3	41.93	54.31	64.63	62.61	83.06	101.49
	Injection capacity (GP-PS)	oz	22.0	28.5	34.0	32.9	43.6	53.3
	Standard: Injection pressure (Max.)	psi	33210	25670	21610	34950	26400	21610
	Standard: Holding pressure (Max.)	psi	30170	23350	19580	31330	23640	19430
	Standard: Injection speed	in/s	6.30			6.30		
	Standard: Injection rate	in^3/s	25.8	33.4	39.8	33.4	44.3	54.1
	Standard: Plasticizing rate (GP-PS)	oz/s	1.93	2.76	3.29	2.32	3.31	4.09
	Standard: Screw speed	rpm	250			210		
	High speed (OP): Injection pressure (Max.)	psi	33210	25670	21610	34950	26400	21610
	High speed (OP): Holding pressure (Max.)	psi	30170	23350	19580	31330	23640	19430
	High speed (OP): Injection speed	in/s	10.63			10.63		
	High speed (OP): Injection rate	in^3/s	43.5	56.4	67.1	56.3	74.8	91.3
	High speed (OP): Plasticizing rate (GP-PS)	oz/s	1.93	2.76	3.29	2.32	3.31	4.09
	High speed (OP): Screw speed	rpm	250			210		
	Nozzle touch force	U.S.ton	3.32			4.42		
	Nozzle stroke from platen	in	2.0					
	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	U.S.ton	496.8					
	Daylight opening (Max.)	in	62.99					
	Opening stroke (Max.)	in	31.50					
	Mold height	in	13.780～31.497					
	Distance between tie-bars (H×V)	in	31.89×31.89 (35.43×31.89)*					
	Platen size (H×V)	in	47.64×47.64 (51.18×47.64)*					
	Ejector point		17 points					
	Ejector force	U.S.ton	11.13					
	Ejector stroke	in	7.087					
General	Machine weight	U.S.ton	25.8 (26.5)*			27.6 (28.2)*		
	Machine dimensions (L×W×H)	ft	26.60×6.30×7.32			27.46×6.30×7.32		

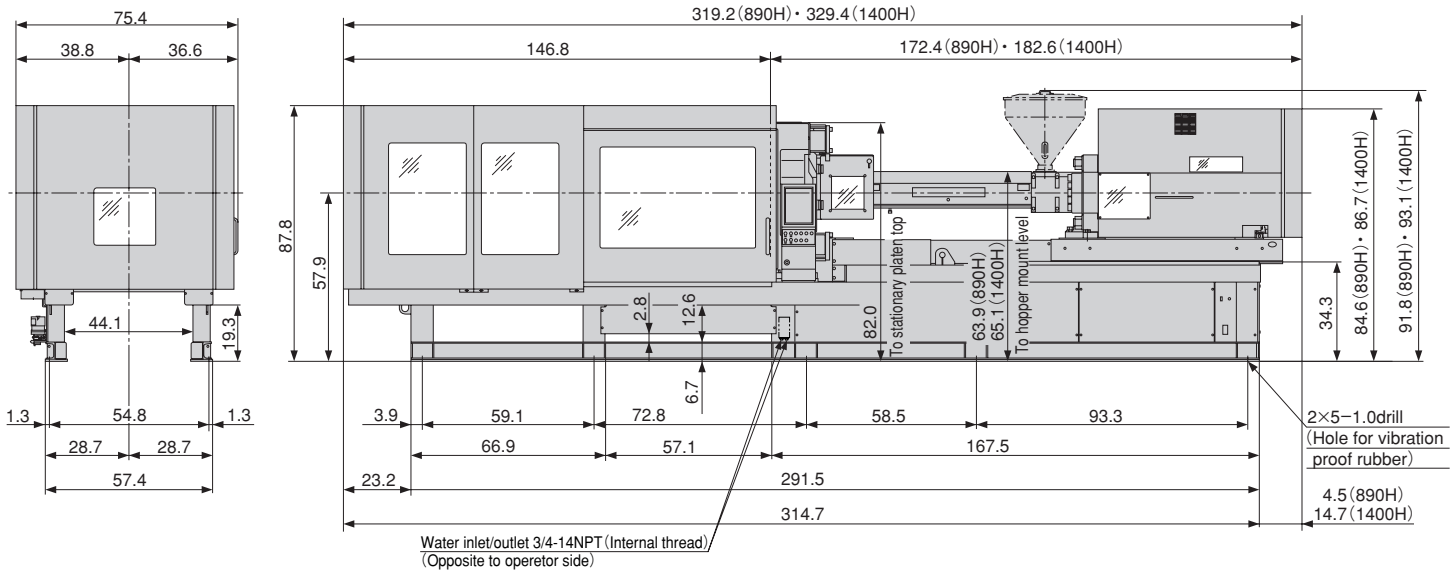
Remarks:
1.Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2.The theoretical injection capacity is (cross sectional area of cylinder)×(stroke of screw).
3.The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding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

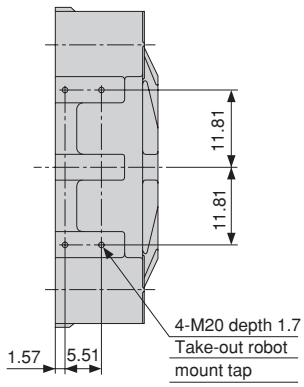
Note:
1.Due to continual improvements, specifications are subject to change without notice.
2.Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
3.Performance specifications are based on theoretical data.
4.High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

J450AD

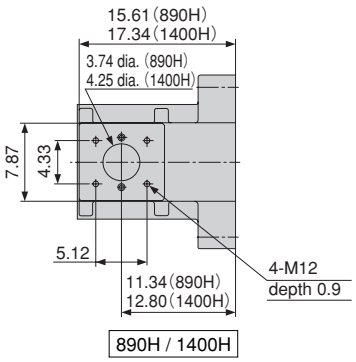
JAD SERIES

Equipment Dimensions and Mold Related Dimensions



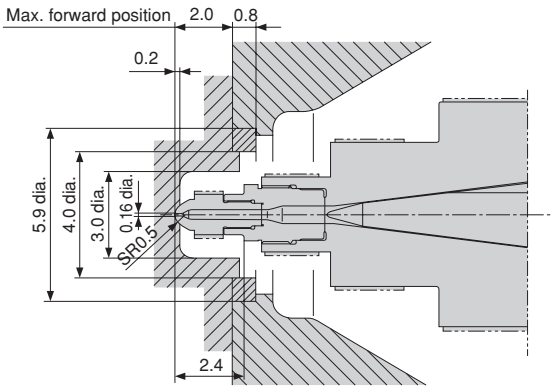


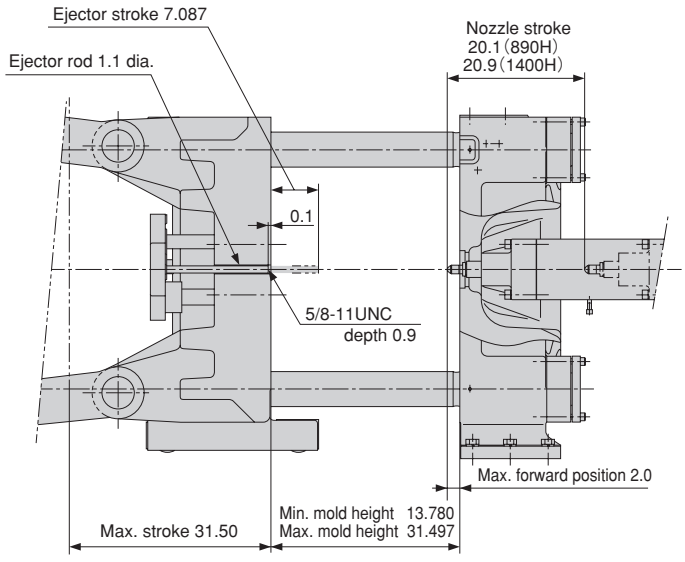
Upper surface of stationary platen

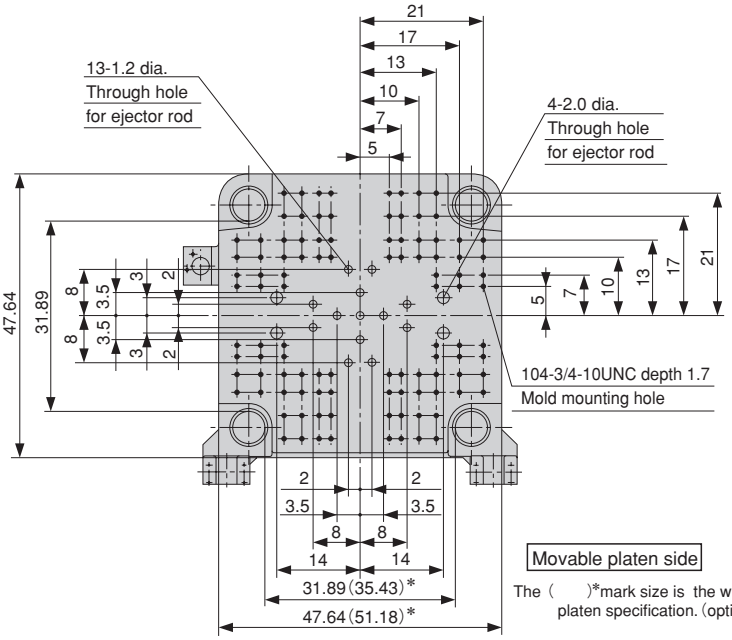


890H / 1400H

Hopper mount







Movable platen side

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