

Unit	Model	J55AD										
		15H			30H			60H				
Item		K	A	B	K	A	B	K	A	B		
Screw cylinder type		K	A	B	K	A	B	K	A	B		
Screw diameter	mm	16	18	20	20	22	25	25	28	32		
Screw stroke	mm	60			80			100				
Theoretical injection capacity	cm <sup>3</sup>	12	15	18	25	30	39	49	62	80		
Injection capacity (PS)	g	11	14	17	23	28	38	45	56	73		
Injection Unit	Standard	Injection pressure(Max.) MPa {kgf/cm <sup>2</sup> }	276 {2810}	218 {2220}	177 {1800}	270 {2750}	223 {2270}	172 {1750}	270 {2750}	215 {2190}	165 {1680}	
		Holding pressure(Max.) MPa {kgf/cm <sup>2</sup> }	251 {2560}	198 {2010}	161 {1640}	245 {2490}	203 {2070}	157 {1600}	245 {2490}	195 {1980}	150 {1530}	
		Injection speed	350			350			350			
		Injection rate	cm <sup>3</sup> /s	70	89	110	110	133	172	172	216	281
		Plasticizing rate (PS)	kg/h	10	14	17	17	21	28	34	46	74
		Screw speed	min <sup>-1</sup>	500			500			400		
		Injection Unit	High speed(OP)	Injection pressure(Max.) MPa {kgf/cm <sup>2</sup> }	276 {2810}	218 {2220}	177 {1800}	270 {2750}	223 {2270}	172 {1750}	270 {2750}	215 {2190}
Holding pressure(Max.) MPa {kgf/cm <sup>2</sup> }	251 {2560}			198 {2010}	161 {1640}	245 {2490}	203 {2070}	157 {1600}	245 {2490}	195 {1980}	150 {1530}	
Injection speed	550			550			500					
Injection rate	cm <sup>3</sup> /s			111	140	173	173	209	270	245	308	402
Plasticizing rate (PS)	kg/h			10	14	17	17	21	28	34	46	74
Screw speed	min <sup>-1</sup>			500			500			400		
Nozzle touch force	kN {tf}			9.9 {1.0}			14.8 {1.5}			14.8 {1.5}		
Nozzle stroke from platen	mm	50										
Type of nozzle		Open nozzle										
Cylinder temperature control		Cylinder 3 / Nozzle 2						Cylinder 4 / Nozzle 2				
Heater wattage	kW	3.1			3.9			5.5				
Clamping Unit	Mechanism	Double toggle										
	Clamping force	kN {tf}	540 {55}									
	Daylight opening (Max.)	mm	630									
	Opening stroke (Max.)	mm	260									
	Mold height	mm	160~370									
	Distance between tie-bars (H×V)	mm	360×310									
	Platen size (H×V)	mm	520×470									
	Ejector point		5 points									
	Ejector force	kN {tf}	20 {2.0}									
	Ejector stroke	mm	70									
General	Machine weight	t	3.0			3.1			3.1			
	Machine dimensions (L×W×H)	m	3.54×1.05×1.58			3.54×1.05×1.58			3.66×1.05×1.58			

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 (polycarbonate), 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:

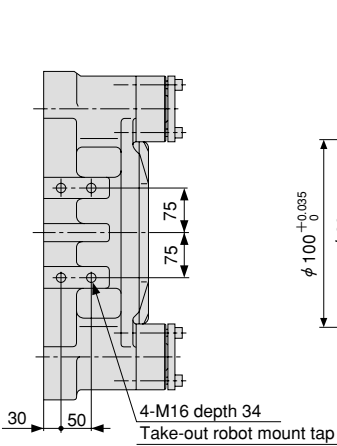
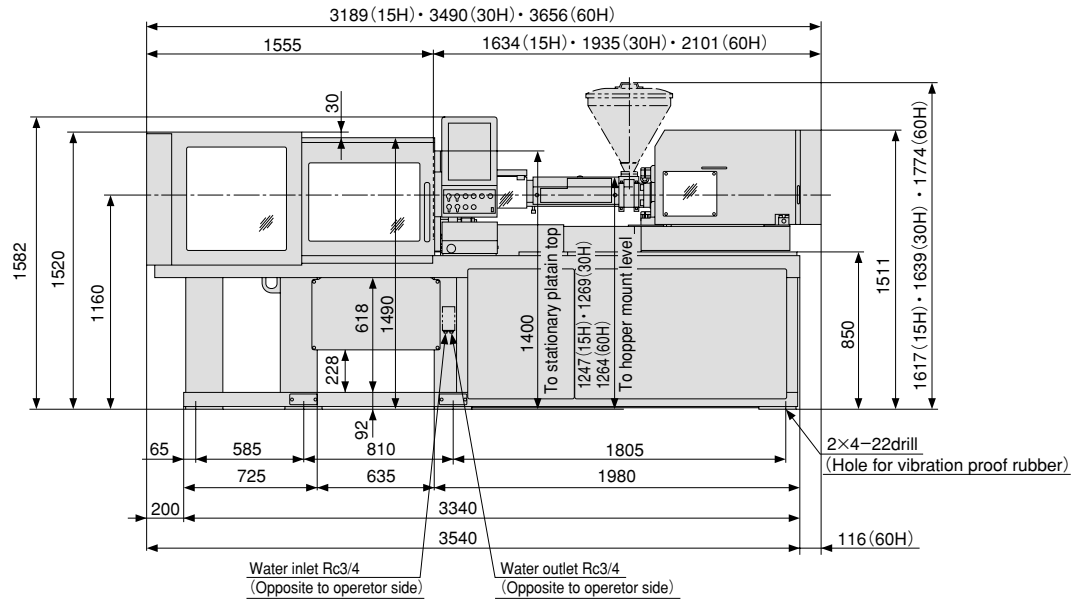
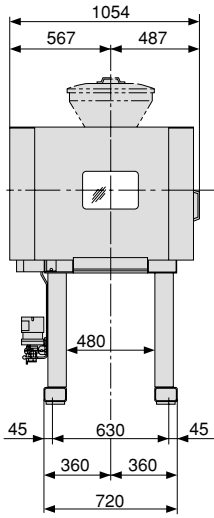
- Due to continual improvements, specifications are subject to change without notice.
- Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
- Performance specifications are based on theoretical data.
- High speed injection is optional.
- 1MPa=10.2 kgf/cm<sup>2</sup>, 1kN=0.102tf



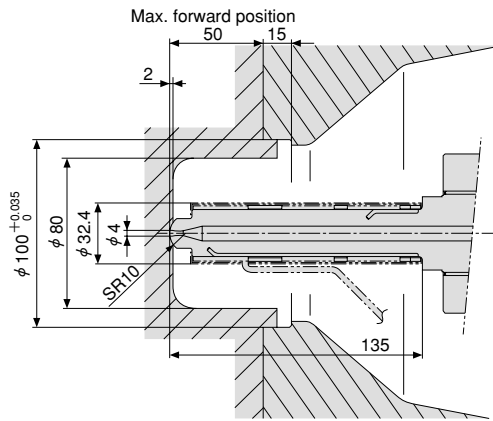
JSW Hiroshima Plant



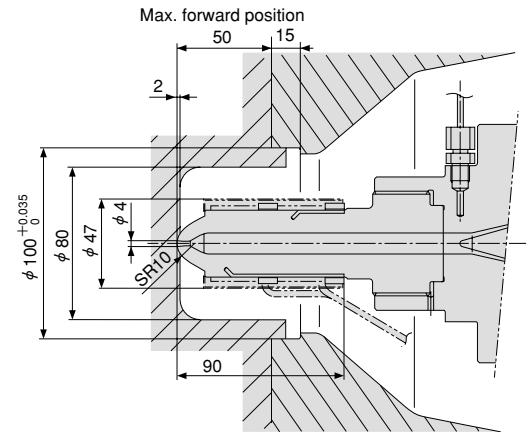
JSW Injection Molding Machinery Division



Upper surface of stationary platen



15H / 30H



60H

