J140AD

Performance Table

Unit	Item \ Model		J140AD								
			60H			110H			180H		
Injection Unit	Screw cylinder type		K	A	B	K	A	B	K	A	B
	Screw diameter	mm	25	28	32	32	35	40	35	40	45
	Screw stroke	mm	100			120			140		
	Theoretical injection capacity	cm^3	49	62	80	97	115	151	135	176	223
	Injection capacity (GP-PS)	g	45	56	73	88	105	137	123	160	203
	Standard: Injection pressure (Max.)	MPa {kgf/cm^2}	270 {2750}	215 {2190}	165 {1680}	270 {2750}	225 {2290}	172 {1750}	260 {2650}	199 {2020}	157 {1600}
	Standard: Holding pressure (Max.)	MPa {kgf/cm^2}	245 {2490}	195 {1980}	150 {1530}	245 {2490}	205 {2090}	157 {1600}	236 {2400}	181 {1840}	143 {1450}
	Standard: Injection speed	mm/s	350			350			350		
	Standard: Injection rate	cm^3/s	172	216	281	281	337	440	337	440	557
	Standard: Plasticizing rate (GP-PS)	kg/h	34	46	74	74	92	123	92	127	166
	Standard: Screw speed	min^{-1}	400			400			400		
	High speed (HS): Injection pressure (Max.)	MPa {kgf/cm^2}	270 {2750}	215 {2190}	165 {1680}	—	—	—	—	—	—
	High speed (HS): Holding pressure (Max.)	MPa {kgf/cm^2}	245 {2490}	195 {1980}	150 {1530}	—	—	—	—	—	—
	High speed (HS): Injection speed	mm/s	500			—			—		
	High speed (HS): Injection rate	cm^3/s	245	308	402	—	—	—	—	—	—
	High speed (HS): Plasticizing rate (GP-PS)	kg/h	34	46	74	—	—	—	—	—	—
	High speed (HS): Screw speed	min^{-1}	400			—			—		
	Ultra speed (US): Injection pressure (Max.)	MPa {kgf/cm^2}	270 {2750}	215 {2190}	165 {1680}	—	—	—	—	—	—
	Ultra speed (US): Holding pressure (Max.)	MPa {kgf/cm^2}	245 {2490}	195 {1980}	150 {1530}	—	—	—	—	—	—
	Ultra speed (US): Injection speed	mm/s	800			—			—		
	Ultra speed (US): Injection rate	cm^3/s	393	493	643	—	—	—	—	—	—
	Ultra speed (US): Plasticizing rate (GP-PS)	kg/h	34	46	74	—	—	—	—	—	—
	Ultra speed (US): Screw speed	min^{-1}	400			—			—		
	Nozzle touch force	kN {tf}	14.8 {1.5}			19.7 {2.0}			19.7 {2.0}		
	Nozzle stroke from platen	mm	50								
	Type of nozzle		Open nozzle								
	Cylinder temperature control		Cylinder 4 / Nozzle 2								
	Heater wattage	kW	5.5			9.2			10.2		
Clamping Unit	Mechanism		Double toggle								
	Clamping force	kN {tf}	1370 {140}								
	Daylight opening (Max.)	mm	850								
	Opening stroke (Max.)	mm	400								
	Mold height	mm	200～450								
	Distance between tie-bars (H×V)	mm	530×460								
	Platen size (H×V)	mm	780×660								
	Ejector point		5 points								
	Ejector force	kN {tf}	32.4 {3.3}								
	Ejector stroke	mm	100								
General	Machine weight	t	6.3			6.4			6.5		
	Machine dimensions (L×W×H)	m	4.77×1.26×1.79			4.91×1.26×1.79			4.98×1.26×1.79		

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.

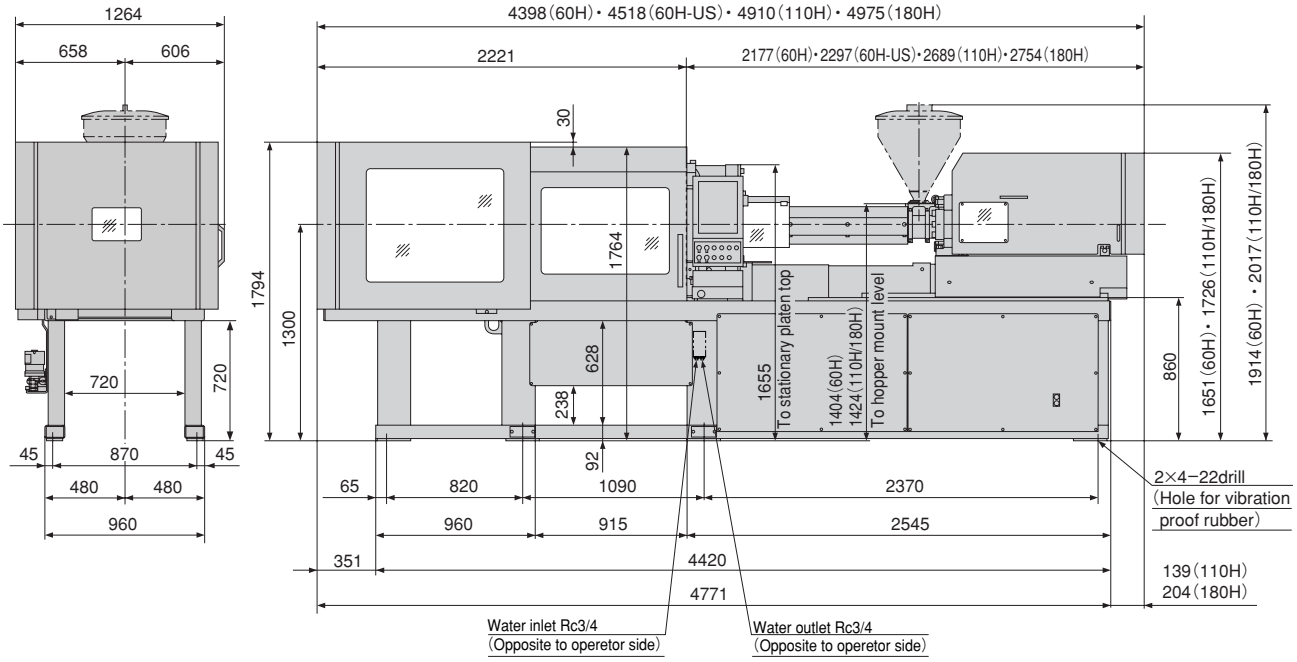
Note:
1.Due to continual improvements, specifications are subject to change without notice.
2.Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
3.Performance specifications are based on theoretical data.
4.High speed injection and Ultra speed injection are optional.
5.1MPa=10.2 kgf/cm^2,1kN=0.102tf

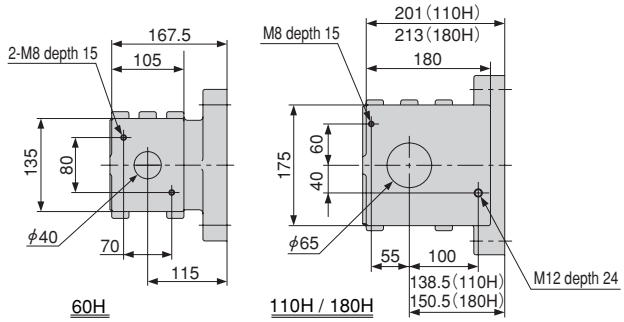
JSW

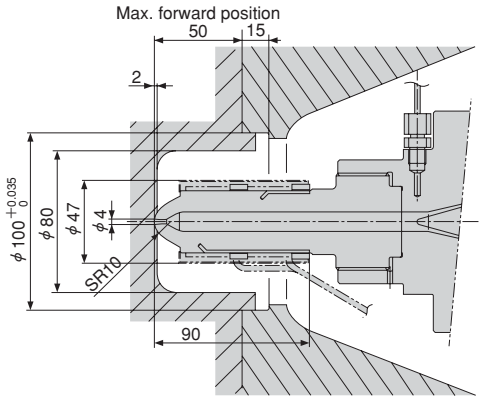
J140AD

JAD SERIES

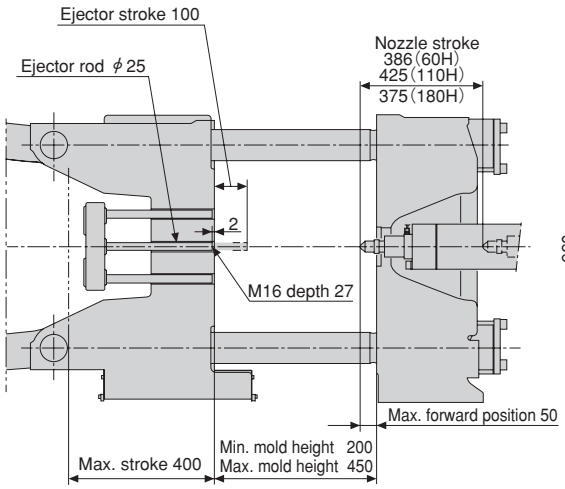
Equipment Dimensions and Mold Related Dimensions

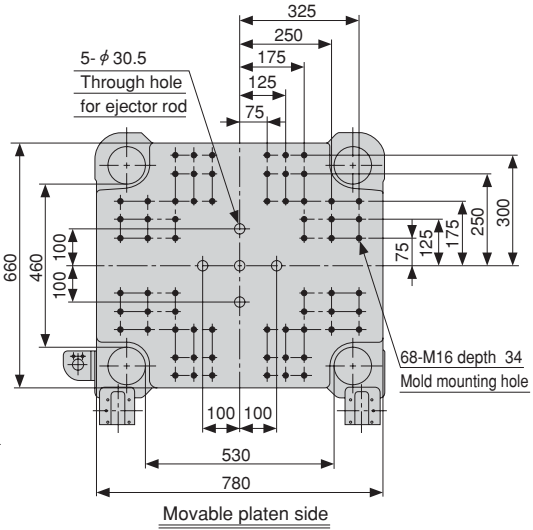




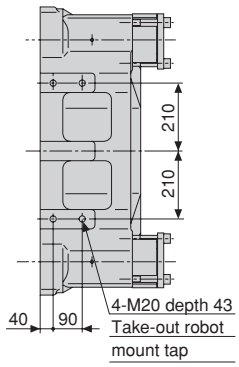


Hopper mount





Movable platen side



Upper surface of stationary platen