J35AD

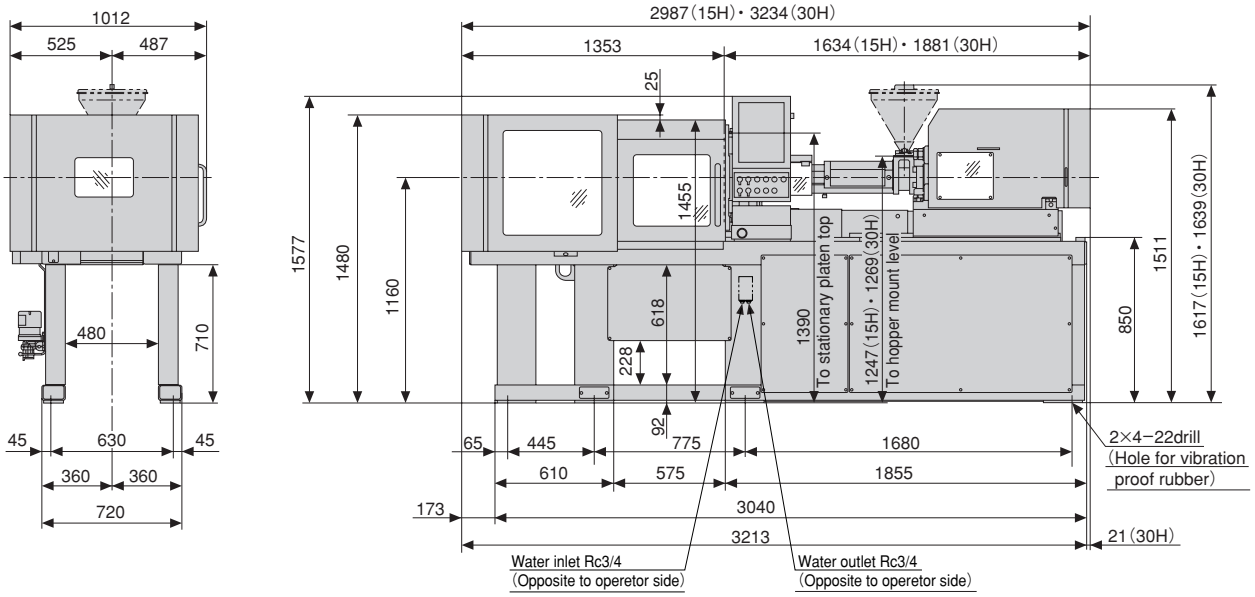
Performance Table

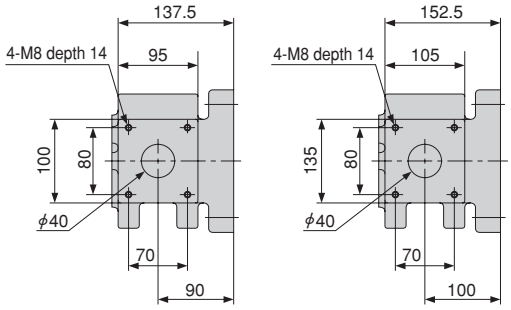
Unit	Item \ Model		J35AD					
			15H			30H		
Injection Unit	Screw cylinder type		K	A	B	K	A	B
	Screw diameter	mm	16	18	20	20	22	25
	Screw stroke	mm	60			80		
	Theoretical injection capacity	cm^3	12	15	18	25	30	39
	Injection capacity (GP-PS)	g	11	14	17	23	28	38
	Standard: Injection pressure (Max.)	MPa {kgf/cm²}	276 {2810}	218 {2220}	177 {1800}	270 {2750}	223 {2270}	172 {1750}
	Standard: Holding pressure (Max.)	MPa {kgf/cm²}	251 {2560}	198 {2010}	161 {1640}	245 {2490}	203 {2070}	157 {1600}
	Standard: Injection speed	mm/s	350			350		
	Standard: Injection rate	cm^3/s	70	89	110	110	133	172
	Standard: Plasticizing rate (GP-PS)	kg/h	10	14	17	17	21	28
	Standard: Screw speed	min^{-1}	500			500		
	High speed (HS): Injection pressure (Max.)	MPa {kgf/cm²}	276 {2810}	218 {2220}	177 {1800}	270 {2750}	223 {2270}	172 {1750}
	High speed (HS): Holding pressure (Max.)	MPa {kgf/cm²}	251 {2560}	198 {2010}	161 {1640}	245 {2490}	203 {2070}	157 {1600}
	High speed (HS): Injection speed	mm/s	550			550		
	High speed (HS): Injection rate	cm^3/s	111	140	173	173	209	270
	High speed (HS): Plasticizing rate (GP-PS)	kg/h	10	14	17	17	21	28
	High speed (HS): Screw speed	min^{-1}	500			500		
	Ultra speed (US): Injection pressure (Max.)	MPa {kgf/cm²}	276 {2810}	218 {2220}	177 {1800}	270 {2750}	223 {2270}	172 {1750}
	Ultra speed (US): Holding pressure (Max.)	MPa {kgf/cm²}	251 {2560}	198 {2010}	161 {1640}	245 {2490}	203 {2070}	157 {1600}
	Ultra speed (US): Injection speed	mm/s	800			800		
	Ultra speed (US): Injection rate	cm^3/s	161	204	251	251	304	393
	Ultra speed (US): Plasticizing rate (GP-PS)	kg/h	10	14	17	17	21	28
	Ultra speed (US): Screw speed	min^{-1}	500			500		
	Nozzle touch force	kN {tf}	9.9 {1.0}			14.8 {1.5}		
	Nozzle stroke from platen	mm	50					
	Type of nozzle		Open nozzle					
	Cylinder temperature control		Cylinder 3 / Nozzle 2					
	Heater wattage	kW	3.1			3.9		
Clamping Unit	Mechanism		Double toggle					
	Clamping force	kN {tf}	344 {35}					
	Daylight opening (Max.)	mm	560					
	Opening stroke (Max.)	mm	230					
	Mold height	mm	150～330					
	Distance between tie-bars (H×V)	mm	310×290					
	Platen size (H×V)	mm	450×430					
	Ejector point		3 points					
	Ejector force	kN {tf}	9.9 {1.0}					
	Ejector stroke	mm	50					
General	Machine weight	t	2.5			2.6		
	Machine dimensions (L×W×H)	m	3.21×1.01×1.58			3.23×1.01×1.58		

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) × (st roke 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.

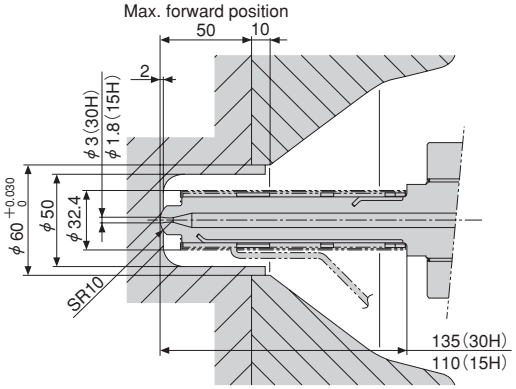
Note:
1.Due to continual improvements, specifications are subject to change without notice.
2.Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
3.Performance specifications are based on theoretical data.
4.High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

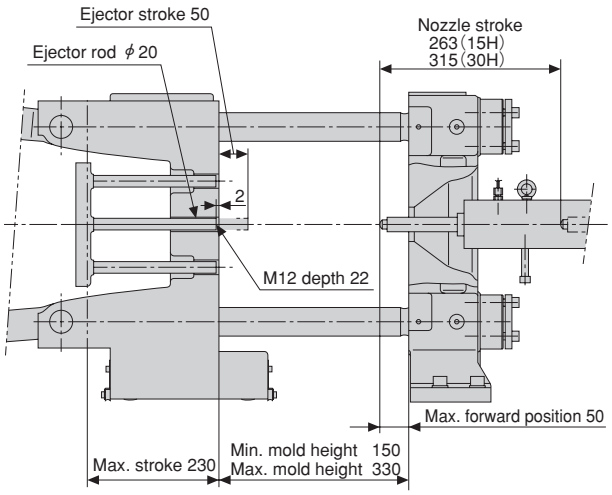
Equipment Dimensions and Mold Related Dimensions

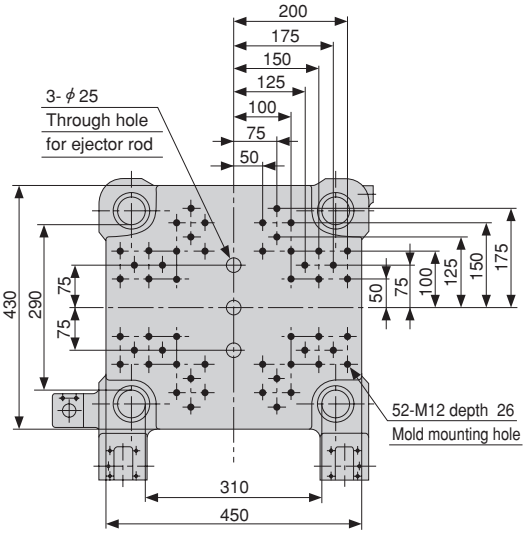




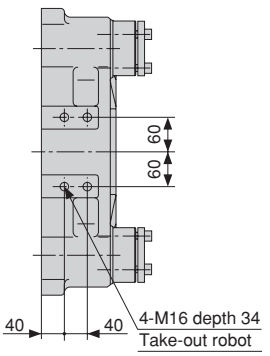
Hopper mount







Movable platen side



Upper surface of stationary platen