

Unit	Item	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 (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}
		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}
		Injection speed mm/s	350			350			350		
		Injection rate cm ³ /s	172	216	281	281	337	440	337	440	557
		Plasticizing rate (PS) kg/h	34	46	74	74	92	123	92	127	166
		Screw speed min ⁻¹	400			400			400		
		High speed (OP)	Injection pressure (Max.) MPa {kgf/cm ² }	270 {2750}	215 {2190}	165 {1680}	—	—	—	—	—
	Holding pressure (Max.) MPa {kgf/cm ² }		245 {2490}	195 {1980}	150 {1530}	—	—	—	—	—	—
	Injection speed mm/s		500			—			—		
	Injection rate cm ³ /s		245	308	402	—	—	—	—	—	—
	Plasticizing rate (PS) kg/h		34	46	74	—	—	—	—	—	—
	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:

- 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/cm², 1kN=0.102tf



JSW Hiroshima Plant



JSW Injection Molding Machinery Division

