

Performance Table

Unit	Item	J110AD										
		60H			110H			180H				
General 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}	
		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 (GP-PS) kg/h	34	46	74	74	92	123	92	127	166	
		Screw speed min ⁻¹	400			400			400			
		Injection Unit	High speed (HS)	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 (GP-PS) kg/h			34	46	74	—	—	—	—	—	—
	Ultra speed (US)	Screw speed min ⁻¹	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	800			—			—		
			Injection rate cm ³ /s	393	493	643	—	—	—	—	—	—
			Plasticizing rate (GP-PS) kg/h	34	46	74	—	—	—	—	—	—
	General Unit	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}	1080 {110}									
		Daylight opening (Max.) mm	800									
		Opening stroke (Max.) mm	350									
		Mold height mm	200~450									
	Distance between tie-bars (H×V) mm	460×410										
	Platen size (H×V) mm	660×610										
	Ejector point	5 points										
General Unit	Ejector force kN {tf}	32.4 {3.3}										
	Ejector stroke mm	100										
	Machine weight t	4.8			4.9			4.9				
Machine dimensions (L×W×H) m	4.38×1.16×1.68			4.58×1.16×1.68			4.61×1.16×1.68					

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/cm², 1kN=0.102tf

Equipment Dimensions and Mold Related Dimensions

