

Unit	Item	Model									
		110H			180H			300H			
Injection Unit	Screw cylinder type	K	A	B	K	A	B	K	A	B	
	Screw diameter mm	32	35	40	35	40	45	40	46	51	
	Screw stroke mm	120			140			180			
	Theoretical injection capacity cm ³	97	115	151	135	176	223	226	299	368	
	Injection capacity (GP-PS) g	88	105	137	123	160	203	206	273	335	
	Standard	Injection pressure(Max.) MPa(kgf/cm ²)	270 {2750}	225 {2290}	172 {1750}	260 {2650}	199 {2020}	157 {1600}	250 {2550}	189 {1920}	154 {1570}
		Holding pressure(Max.) MPa(kgf/cm ²)	245 {2490}	205 {2090}	157 {1600}	236 {2400}	181 {1840}	143 {1450}	227 {2310}	172 {1750}	140 {1420}
		Injection speed mm/s	350			350			240		
		Injection rate cm ³ /s	281	337	440	337	440	557	302	399	490
		Plasticizing rate (GP-PS) kg/h	74	92	123	92	127	166	130	184	232
		Screw speed min ⁻¹	400			400			400		
	High speed (HS)	Injection pressure(Max.) MPa(kgf/cm ²)	—	—	—	—	—	—	250 {2550}	189 {1920}	154 {1570}
		Holding pressure(Max.) MPa(kgf/cm ²)	—	—	—	—	—	—	227 {2310}	172 {1750}	140 {1420}
		Injection speed mm/s	—			—			330		
		Injection rate cm ³ /s	—	—	—	—	—	—	415	548	674
		Plasticizing rate (GP-PS) kg/h	—	—	—	—	—	—	130	184	232
	Ultra speed (US)	Screw speed min ⁻¹	—			—			400		
		Injection pressure(Max.) MPa(kgf/cm ²)	—	—	—	—	—	—	—	—	—
		Holding pressure(Max.) MPa(kgf/cm ²)	—	—	—	—	—	—	—	—	—
		Injection speed mm/s	—			—			—		
Injection rate cm ³ /s		—	—	—	—	—	—	—	—	—	
General	Plasticizing rate (GP-PS) kg/h	—	—	—	—	—	—	—	—	—	
	Screw speed min ⁻¹	—			—			—			
	Nozzle touch force kN {tf}	19.7 {2.0}			19.7 {2.0}			24.6 {2.5}			
	Nozzle stroke from platen mm	50									
	Type of nozzle	Open nozzle						Open nozzle (tip type)			
	Cylinder temperature control	Cylinder 4 / Nozzle 2						Cylinder 4 / Nozzle 1			
	Heater wattage kW	9.2			10.2			13.0			
	Clamping Unit	Mechanism	Double toggle								
		Clamping force kN {tf}	1770 {180}								
		Daylight opening (Max.) mm	950								
Opening stroke (Max.) mm		450									
Mold height mm		200~500									
Distance between tie-bars (H×V) mm		590×530									
Platen size (H×V) mm		840×780									
Ejector point		9 points									
Ejector force kN {tf}		34.3 {3.5}									
Ejector stroke mm	130										
General	Machine weight t	9.0			9.0			9.5			
	Machine dimensions (L×W×H) m	5.22×1.36×1.92			5.22×1.36×1.92			5.51×1.36×1.92			

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