

## Performance Table

Unit	Item	Model											
		30H			60H			110H					
General Unit	Screw cylinder type	K	A	B	K	A	B	K	A	B			
	Screw diameter mm	20	22	25	25	28	32	32	35	40			
	Screw stroke mm	80			100			120					
	Theoretical injection capacity cm <sup>3</sup>	25	30	39	49	62	80	97	115	151			
	Injection capacity (GP-PS) g	23	28	38	45	56	73	88	105	137			
	Standard	Injection pressure(Max.) MPa {kgf/cm <sup>2</sup> }	270 {2750}	223 {2270}	172 {1750}	270 {2750}	215 {2190}	165 {1680}	270 {2750}	225 {2290}	172 {1750}		
		Holding pressure(Max.) MPa {kgf/cm <sup>2</sup> }	245 {2490}	203 {2070}	157 {1600}	245 {2490}	195 {1980}	150 {1530}	245 {2490}	205 {2090}	157 {1600}		
		Injection speed mm/s	350			350			350				
		Injection rate cm <sup>3</sup> /s	110	133	172	172	216	281	281	337	440		
		Plasticizing rate (GP-PS) kg/h	17	21	28	34	46	74	74	92	123		
		Screw speed min <sup>-1</sup>	500			400			400				
		Injection Unit	High speed (HS)	Injection pressure(Max.) MPa {kgf/cm <sup>2</sup> }	270 {2750}	223 {2270}	172 {1750}	270 {2750}	215 {2190}	165 {1680}	—	—	—
	Holding pressure(Max.) MPa {kgf/cm <sup>2</sup> }			245 {2490}	203 {2070}	157 {1600}	245 {2490}	195 {1980}	150 {1530}	—	—	—	
	Injection speed mm/s			550			500			—			
	Injection rate cm <sup>3</sup> /s			173	209	270	245	308	402	—	—	—	
	Plasticizing rate (GP-PS) kg/h			17	21	28	34	46	74	—	—	—	
	Ultra speed (US)	Screw speed min <sup>-1</sup>	Injection pressure(Max.) MPa {kgf/cm <sup>2</sup> }	270 {2750}	223 {2270}	172 {1750}	270 {2750}	215 {2190}	165 {1680}	—	—	—	
			Holding pressure(Max.) MPa {kgf/cm <sup>2</sup> }	245 {2490}	203 {2070}	157 {1600}	245 {2490}	195 {1980}	150 {1530}	—	—	—	
			Injection speed mm/s	800			800			—			
			Injection rate cm <sup>3</sup> /s	251	304	393	393	493	643	—	—	—	
			Plasticizing rate (GP-PS) kg/h	17	21	28	34	46	74	—	—	—	
	General Unit	Screw speed min <sup>-1</sup>	Screw speed	500			400			—			
			Nozzle touch force kN {tf}	14.8 {1.5}			14.8 {1.5}			19.7 {2.0}			
			Nozzle stroke from platen mm	50									
			Type of nozzle	Open nozzle									
			Cylinder temperature control	Cylinder 3 / Nozzle 2			Cylinder 4 / Nozzle 2						
			Heater wattage kW	3.9			5.5			9.2			
Clamping Unit			Mechanism	Mechanism	Double toggle								
				Clamping force kN {tf}	834 {85}								
				Daylight opening (Max.) mm	710								
				Opening stroke (Max.) mm	300								
	Mold height mm	180~410											
	Distance between tie-bars (H×V) mm	410×360											
	Platen size (H×V) mm	580×530											
General Unit	Ejector point	Ejector point	5 points										
		Ejector force kN {tf}	32.4 {3.3}										
		Ejector stroke mm	80										
General Unit	Machine weight t	Machine weight	3.9			3.9			4.0				
		Machine dimensions (L×W×H) m	4.14×1.12×1.59			4.14×1.12×1.59			4.35×1.12×1.62				

**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, 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 and Ultra speed injection are optional.
- 1MPa=10.2 kgf/cm<sup>2</sup>, 1kN=0.102tf

## Equipment Dimensions and Mold Related Dimensions

