

Performance Table

Unit	Item	Model									
		460H			890H			1400H			
Injection Unit	Screw cylinder type	K (OP)	A	B	K (OP)	A	B	K (OP)	A	B	
	Screw diameter mm	46	53	58	58	66	72	66	76	84	
	Screw stroke mm	210			260			300			
	Theoretical injection capacity cm <sup>3</sup>	349	463	555	687	890	1059	1026	1361	1663	
	Injection capacity (GP-PS) g	318	421	505	625	810	965	934	1238	1513	
	Standard	Injection pressure(Max.) MPa (kgf/cm <sup>2</sup> )	234 {2380}	177 {1800}	147 {1490}	229 {2330}	177 {1800}	149 {1510}	241 {2450}	182 {1850}	149 {1510}
		Holding pressure(Max.) MPa (kgf/cm <sup>2</sup> )	213 {2170}	161 {1640}	134 {1360}	208 {2120}	161 {1640}	135 {1370}	216 {2200}	163 {1660}	134 {1360}
		Injection speed mm/s	160			160			160		
		Injection rate cm <sup>3</sup> /s	266	353	423	423	547	651	547	726	887
		Plasticizing rate (GP-PS) kg/h	115	163	197	197	282	336	237	338	418
		Screw speed min <sup>-1</sup>	250			250			210		
	High speed (OP)	Injection pressure(Max.) MPa (kgf/cm <sup>2</sup> )	234 {2380}	177 {1800}	147 {1490}	229 {2330}	177 {1800}	149 {1510}	241 {2450}	182 {1850}	149 {1510}
		Holding pressure(Max.) MPa (kgf/cm <sup>2</sup> )	213 {2170}	161 {1640}	134 {1360}	208 {2120}	161 {1640}	135 {1370}	216 {2200}	163 {1660}	134 {1360}
		Injection speed mm/s	300			270			270		
		Injection rate cm <sup>3</sup> /s	499	662	793	713	924	1099	924	1225	1496
		Plasticizing rate (GP-PS) kg/h	161	228	275	197	282	336	237	338	418
		Screw speed min <sup>-1</sup>	350			250			210		
	Nozzle touch force kN (tf)	24.6 {2.5}			29.6 {3.0}			39.3 {4.0}			
	Nozzle stroke from platen mm	50									
	Type of nozzle	Open nozzle (Tip type)									
Cylinder temperature control	Cylinder 4 / Nozzle 1										
Heater wattage kW	17.8			23.8			34.7				
Clamping Unit	Mechanism	Double toggle									
	Clamping force kN (tf)	3440 {350}									
	Daylight opening (Max.) mm	1370									
	Opening stroke (Max.) mm	700									
	Mold height mm	300~670									
	Distance between tie-bars (H×V) mm	730×730 (810×730)*									
	Platen size (H×V) mm	1085×1085 (1115×1085)*									
	Ejector point	17 points									
	Ejector force kN (tf)	59.0 {6.0}									
	Ejector stroke mm	150									
General	Machine weight t	18.9 (19.6)*			19.3 (20.0)*			21.5 (22.2)*			
	Machine dimensions (L×W×H) m	6.93×1.82×2.21			7.65×1.82×2.21			7.89×1.82×2.23			

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 is optional.
5. The ( ) \* in the table is the value of wide platen specification. (option)
6. 1MPa=10.2 kgf/cm<sup>2</sup>, 1kN=0.102tf

## Equipment Dimensions and Mold Related Dimensions

