

Performance Table

Unit	Model	J55AD								
		15H			30H			60H		
Item		K	A	B	K	A	B	K	A	B
Screw cylinder type		K	A	B	K	A	B	K	A	B
Screw diameter	mm	16	18	20	20	22	25	25	28	32
Screw stroke	mm	60			80			100		
Theoretical injection capacity	cm ³	12	15	18	25	30	39	49	62	80
Injection capacity (GP-PS)	g	11	14	17	23	28	38	45	56	73
Standard	Injection pressure(Max.) MPa {kgf/cm ² }	276 {2810}	218 {2220}	177 {1800}	270 {2750}	223 {2270}	172 {1750}	270 {2750}	215 {2190}	165 {1680}
	Holding pressure(Max.) MPa {kgf/cm ² }	251 {2560}	198 {2010}	161 {1640}	245 {2490}	203 {2070}	157 {1600}	245 {2490}	195 {1980}	150 {1530}
	Injection speed	350			350			350		
	Injection rate	70	89	110	110	133	172	172	216	281
	Plasticizing rate (GP-PS) kg/h	10	14	17	17	21	28	34	46	74
	Screw speed	500			500			400		
	Injection Unit High speed (HS)	Injection pressure(Max.) MPa {kgf/cm ² }	276 {2810}	218 {2220}	177 {1800}	270 {2750}	223 {2270}	172 {1750}	270 {2750}	215 {2190}
Holding pressure(Max.) MPa {kgf/cm ² }		251 {2560}	198 {2010}	161 {1640}	245 {2490}	203 {2070}	157 {1600}	245 {2490}	195 {1980}	150 {1530}
Injection speed		550			550			500		
Injection rate		111	140	173	173	209	270	245	308	402
Plasticizing rate (GP-PS) kg/h		10	14	17	17	21	28	34	46	74
Screw speed		500			500			400		
Ultra speed (US)		Injection pressure(Max.) MPa {kgf/cm ² }	276 {2810}	218 {2220}	177 {1800}	270 {2750}	223 {2270}	172 {1750}	270 {2750}	215 {2190}
	Holding pressure(Max.) MPa {kgf/cm ² }	251 {2560}	198 {2010}	161 {1640}	245 {2490}	203 {2070}	157 {1600}	245 {2490}	195 {1980}	150 {1530}
	Injection speed	800			800			800		
	Injection rate	161	204	251	251	304	393	393	493	643
	Plasticizing rate (GP-PS) kg/h	10	14	17	17	21	28	34	46	74
	Screw speed	500			500			400		
	Nozzle touch force	kN {tf}	9.9 {1.0}			14.8 {1.5}			14.8 {1.5}	
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	3.1			3.9			5.5		
Clamping Unit	Mechanism	Double toggle								
	Clamping force	kN {tf} 540 {55}								
	Daylight opening (Max.)	mm 630								
	Opening stroke (Max.)	mm 260								
	Mold height	mm 160~370								
	Distance between tie-bars (H×V)	mm 360×310								
	Platen size (H×V)	mm 520×470								
	Ejector point	5 points								
Ejector force	kN {tf} 20 {2.0}									
Ejector stroke	mm 70									
General	Machine weight	t 3.0			t 3.1			t 3.1		
	Machine dimensions (L×W×H) m	3.54×1.05×1.58			3.54×1.05×1.58			3.66×1.05×1.58 (US 3.78×1.05×1.58)		

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

