

Performance Table

Unit	Item	Model	J180AD									
			110H			180H			300H			
Injection Unit	Screw cylinder type		K	A	B	K	A	B	K	A	B	
	Screw diameter	in	1.26	1.38	1.57	1.38	1.57	1.77	1.57	1.81	2.01	
	Screw stroke	in	4.724			5.512			7.087			
	Theoretical injection capacity	in ³	5.92	7.02	9.22	8.24	10.74	13.61	13.79	18.25	22.46	
	Standard	Injection capacity (GP-PS)	oz	3.1	3.7	4.8	4.3	5.6	7.2	7.3	9.6	11.8
		Injection pressure(Max.)	psi	39160	32630	24950	37710	28860	22770	36260	27410	22340
		Holding pressure(Max.)	psi	35530	29730	22770	34230	26250	20740	32920	24950	20310
		Injection speed	in/s	13.78			13.78			9.45		
		Injection rate	in ³ /s	17.2	20.6	26.7	20.6	26.7	33.9	18.4	24.3	29.9
		Plasticizing rate (GP-PS)	oz/s	0.73	0.90	1.21	0.90	1.24	1.63	1.27	1.80	2.27
		Screw speed	rpm	400			400			400		
		High speed (HS)	Injection pressure(Max.)	psi	—	—	—	—	—	—	36260	27410
	Holding pressure(Max.)		psi	—	—	—	—	—	—	32920	24950	20310
	Injection speed		in/s	—			—			12.99		
	Injection rate		in ³ /s	—	—	—	—	—	—	25.3	33.5	41.1
	Plasticizing rate (GP-PS)		oz/s	—	—	—	—	—	—	1.27	1.80	2.27
	Ultra speed (US)	Screw speed	rpm	—			—			400		
		Injection pressure(Max.)	psi	—	—	—	—	—	—	—	—	—
		Holding pressure(Max.)	psi	—	—	—	—	—	—	—	—	—
		Injection speed	in/s	—			—			—		
		Injection rate	in ³ /s	—	—	—	—	—	—	—	—	—
	General	Plasticizing rate (GP-PS)	oz/s	—	—	—	—	—	—	—	—	—
		Screw speed	rpm	—			—			—		
		Nozzle touch force	U.S. ton	2.21			2.21			2.77		
		Nozzle stroke from platen	in	2.0								
		Type of 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	U.S. ton	199.0								
		Daylight opening (Max.)	in	37.40								
	Opening stroke (Max.)	in	17.72									
	Mold height	in	7.874~19.685									
	Distance between tie-bars (H×V)	in	23.23×20.87									
	Platen size (H×V)	in	33.07×30.71									
	Ejector point		9 points									
Ejector force	U.S. ton	3.86										
	in	5.118										
Machine weight	U.S. ton	9.9			9.9			10.5				
	Machine dimensions (L×W×H)	ft	17.13×4.46×6.30			17.13×4.46×6.30			18.08×4.46×6.30			

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.

Equipment Dimensions and Mold Related Dimensions

