

Performance Table

Unit	Model	J220AD									
		300H			460H			890H			
	Item	K	A	B	K (OP)	A	B	K (OP)	A	B	
	Screw cylinder type	K	A	B	K (OP)	A	B	K (OP)	A	B	
	Screw diameter in	1.57	1.81	2.01	1.81	2.09	2.28	2.28	2.60	2.83	
	Screw stroke in	7.087			8.268			10.236			
	Theoretical injection capacity in ³	13.79	18.25	22.46	21.30	28.26	33.87	41.93	54.31	64.63	
	Injection capacity (GP-PS) oz	7.3	9.6	11.8	11.2	14.8	17.8	22.0	28.5	34.0	
Injection Unit	Standard	Injection pressure (Max.) psi	36260	27410	22340	33940	25670	21320	33210	25670	21610
		Holding pressure (Max.) psi	32920	24950	20310	30890	23350	19430	30170	23350	19580
		Injection speed in/s	9.45			6.30			6.30		
		Injection rate in ³ /s	18.9	24.3	29.9	16.2	21.5	25.8	25.8	33.4	39.8
		Plasticizing rate (GP-PS) oz/s	1.27	1.80	2.27	1.12	1.59	1.93	1.93	2.76	3.29
		Screw speed rpm	400			250			250		
	High speed (OP)	Injection pressure (Max.) psi	36260	27410	22340	33940	25670	21320	33210	25670	21610
		Holding pressure (Max.) psi	32920	24950	20310	30890	23350	19430	30170	23350	19580
		Injection speed in/s	12.99			11.81			10.63		
		Injection rate in ³ /s	25.1	33.4	41.2	30.4	40.4	48.4	43.5	56.4	67.1
		Plasticizing rate (GP-PS) oz/s	1.27	1.80	2.27	1.57	2.23	2.69	1.93	2.76	3.29
		Screw speed rpm	400			350			250		
	Nozzle touch force U.S.ton	2.77			2.77			3.32			
	Nozzle stroke from platen in	2.0									
	Type of nozzle	Open nozzle (Tip type)									
	Cylinder temperature control	Cylinder 4 / Nozzle 1									
	Heater wattage kW	13.0			17.8			23.8			
Clamping Unit	Mechanism	Double toggle									
	Clamping force U.S.ton	242.8									
	Daylight opening (Max.) in	44.49									
	Opening stroke (Max.) in	21.65									
	Mold height in	9.055~22.835									
	Distance between tie-bars (H×V) in	23.23×23.23 (25.59×23.23)*									
	Platen size (H×V) in	34.25×34.25 (36.61×34.25)*									
	Ejector point	13 points									
	Ejector force U.S.ton	4.97									
	Ejector stroke in	5.118									
General	Machine weight U.S.ton	13.4 (13.9)*			13.8 (14.2)*			14.2 (14.7)*			
	Machine dimensions (L×W×H) ft	20.62×5.07×7.25			20.62×5.07×7.25			23.01×5.07×7.25			

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)

Equipment Dimensions and Mold Related Dimensions

