

J280ADS-300H-US

	Screw Model	-	K	A	B	
	Injection Unit	Screw Diameter	in (mm)	1.57 (40)	1.81 (46)	2.01 (51)
Screw and Barrel		-	M7 or HP Screw (option) / N2000F Barrel			
Screw L/D		-	Long L/D 24:1			
Screw Stroke		in (mm)	7.087 (180)			
Thoretical Injection Capacity		in ³ (cm ³)	13.79 (226)	18.25 (299)	22.46 (368)	
Injection Capacity (GP-PS)		oz (g)	7.3 (206)	9.6 (273)	11.8 (335)	
Injection Pressure (max)		psi (MPa)	29010 (200)	29010 (200)	29010 (200)	
Holding Pressure (max)		psi (MPa)	26110 (180)	26110 (180)	26110 (180)	
Injection speed		in/s (mm/s)	19.69 (500)			
Injection acceleration		G	1.40			
Injection rate		in ³ /s (cm ³ /s)	38.4 (629)	50.7 (831)	62.4 (1022)	
Plasticizing rate (GP-PS)		oz/s (kg/hr)	1.27 (130)	1.80 (184)	2.27 (232)	
Screw rotation Speed		rpm (min ⁻¹)	400			
Nozzle touch force		U.S.ton (kN)	4.8 (43.0) Hyd. Center Touch			
Nozzle Stroke from Platen		in (mm)	1.97 (50)			
Type of Nozzle		-	Open Nozzle			
Barrel Temperature Control		-	Barrel 4 Nozzle 1			
Heater Wattage		kW	13.7 (H1/H2 Ceramic Heater)			
Clamping Unit		Clamp mechanism	-	Double Toggle		
		Clamping force	U.S.ton (kN)	309.1 (2750)		
	Daylight	in (mm)	51.97 (1320)			
	Mold open stroke	in (mm)	23.62 (600)			
	Platen open/close speed	-	High Speed			
	Platen design	-	Standard			
	Movable platen support	-	Linear Guide			
	Mold support for Stack Molds	-	Support Block on Linear Guide Available (option)			
	Mold height	in (mm)	9.843~28.347 (250~720)			
	Distance between Tie-bar	in (mm)	28.74 x 24.80 (730 x 630)			
	Platen size (H x V)	in (mm)	41.34 x 36.81 (1050 x 935)			
	Ejector points	-	13			
	Ejector force	U.S.ton (kN)	6.63 (59)			
	Ejector stroke	in (mm)	5.906 (150)			
	Machine weight	U.S.ton (t)	16.76 (15.2)			
Machine size (L x W x H)	ft (m)	24.61 x 6.04 x 7.02 (7.5 x 1.84 x 2.14)				

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) x (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 high torque depending on the grade or molding conditions. Please contact us if you plan.
- Red border denotes changes from Standard.

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.
- Low inertia injection specifications and high-speed injection specifications can be handled as option.
- 1 MPa=10.2kgf/cm², 1 kN=0.102tf