

J450ADS-1400H-US

	Screw Model	-	K	A	B	
	Injection Unit	Screw Diameter	in (mm)	2.60 (66)	2.99 (76)	3.31 (84)
Screw and Barrel		-	M7 or HP Screw (option) / N2000F Barrel			
Screw L/D		-	Long L/D 24:1			
Screw Stroke		in (mm)	11.811 (300)			
Thoretical Injection Capacity		in ³ (cm ³)	62.61 (1026)	83.06 (1361)	101.49 (1663)	
Injection Capacity (GP-PS)		oz (g)	32.9 (934)	43.7 (1238)	53.4 (1513)	
Injection Pressure (max)		psi (MPa)	29010 (200)	27560 (190)	22480 (155)	
Holding Pressure (max)		psi (MPa)	26110 (180)	24800 (171)	20160 (139)	
Injection speed		in/s (mm/s)	19.69 (500)			
Injection acceleration		G	1.40			
Injection rate		in ³ /s (cm ³ /s)	104.4 (1710)	138.4 (2268)	169.1 (2771)	
Plasticizing rate (GP-PS)		oz/s (kg/hr)	2.65 (270)	3.79 (386)	4.10 (418)	
Screw rotation Speed		rpm (min ⁻¹)	240		210	
Nozzle touch force		U.S.ton (kN)	8.8 (78.5) Hyd. Center Touch			
Nozzle Stroke from Platen		in (mm)	1.97 (50)			
Type of Nozzle		-	Open Nozzle			
Barrel Temperature Control		-	Barrel 5 Nozzle 1			
Heater Wattage		kW	50.1 (H1/H2 Ceramic Heater)			
Clamping Unit		Clamp mechanism	-	Double Toggle		
		Clamping force	U.S.ton (kN)	496.8 (4420)		
	Daylight	in (mm)	66.93 (1700)			
	Mold open stroke	in (mm)	31.50 (800)			
	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)	13.780 ~ 35.434 (350 ~ 900)			
	Distance between Tie-bar	in (mm)	35.43 x 31.89 (900 x 810)			
	Platen size (H x V)	in (mm)	51.18 x 47.64 (1300 x 1210)			
	Ejector points	-	17			
	Ejector force	U.S.ton (kN)	11.13 (99.0)			
	Ejector stroke	in (mm)	7.078 (180)			
	Machine weight	U.S.ton (t)	28.22 (25.6)			
Machine size (L x W x H)	ft (m)	28.28 x 6.89 x 7.25 (8.62 x 2.10 x 2.21)				

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=0.102t