

Performance Table

Unit	Model	J2500AD							
		7500H		9500H		15000H			
Injection Unit	Screw barrel type	A	B	A	B	A	B	C	
	Screw diameter	mm [in]	120 {4.72}	130 {5.12}	130 {5.12}	140 {5.51}	150 {5.91}	160 {6.30}	170 {6.69}
	Screw stroke	mm [in]	660 {25.985}		715 {28.150}		825 {32.481}		
	Theoretical injection capacity	cm ³ [in ³]	7464 {455.5}	8760 {534.6}	9490 {579.1}	11007 {671.7}	14579 {889.7}	16588 {1012.3}	18726 {1142.8}
	Injection capacity (GP-PS)	g [oz]	6793 {239.6}	7972 {281.2}	8636 {304.6}	10016 {353.3}	13267 {468.0}	15095 {532.5}	17041 {601.1}
	Injection pressure (Max.)	MPa (kgf/cm ²) [psi]	180 (1830) {26100}	153 (1560) {22100}	180 (1830) {26100}	155 (1580) {22400}	180 (1830) {26100}	158 (1610) {22900}	140 (1420) {20300}
	Holding pressure (Max.)	MPa (kgf/cm ²) [psi]	158 (1610) {22900}	135 (1370) {19500}	162 (1650) {23400}	140 (1420) {20300}	158 (1610) {22900}	139 (1410) {20100}	123 (1250) {17800}
	Injection speed	mm/s [in/s]	130 {5.12}		130 {5.12}		130 {5.12}		
	Injection rate	cm ³ /s [in ³ /s]	1470 {89.7}	1726 {105.3}	1726 {105.3}	2001 {122.1}	2297 {140.2}	2614 {159.5}	2951 {180.1}
	Plasticizing rate (GP-PS)	kg/h [oz/s]	700 {6.86}	730 {7.15}	850 {8.33}	880 {8.62}	1080 {10.58}	1100 {10.78}	1150 {11.27}
	Screw speed	min ⁻¹ (rpm)	140	130	135	130	120	115	110
	Nozzle touch force	kN (tf) [USton]	65 (6.6) {7.3}		75 (7.6) {8.4}		115 (11.7) {12.9}		
	Nozzle stroke from platen	mm [in]	50 {2.0}						
	Type of nozzle		Open nozzle						
	Barrel temperature control		Barrel 5, Nozzle2						
	Heater wattage	kW	72.8		90.4		113.0		
	Clamping Unit	Mechanism	Double toggle						
Clamping force		kN (tf) [USton]	24600 (2500) {2765}						
Daylight opening (Max.)		mm [in]	3500 {137.798}						
Opening stroke (Max.)		mm [in]	1800 {70.87}						
Mold height		mm [in]	900~1700 {35.434~66.930}						
Platen speed		m/min [ft/s]	62 {3.39}						
Distance between tie-bars (H×V)		mm [in]	2050×1770 {80.7×69.7}						
Platen size (H×V)		mm [in]	2900×2550 {114.2×100.4}						
Ejector point			37 (29) points						
Ejector force		kN (tf) [USton]	400 (40.8) {45.0}						
Ejector stroke	mm [in]	350 {13.780}							
General	Machine weight	t [USton]	186 {205.0}		196 {216.0}		204 {224.9}		
	Machine dimensions (L×W×H)	m [ft]	16.09×4.47×3.76 {52.80×14.67×12.32}		16.33×4.47×3.76 {53.56×14.67×12.32}		17.28×4.47×3.76 {56.69×14.67×12.32}		
	Hopper capacity (Option)	l [ft ³]	340 {12.0}		340 {12.0}		340 {12.0}		

- 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 barrel) × (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. 1MPa=10.2 kgf/cm², 1kN=0.102tf

■ Total Power Capacity

Machine Model	Total Power Capacity (kVA)
J2500AD	7500H 101.9
	9500H 153.7
	15000H 177.3

- Note:
1. Total power capacity does not include external outlets.
 2. We recommend that the rated interrupting current of the main power supply breaker is more than 25 kA at AC400V/460V.



JQA-QMA13993
JQA-EM6416

■ Cooling Water Capacity for Barrel Temperature Control

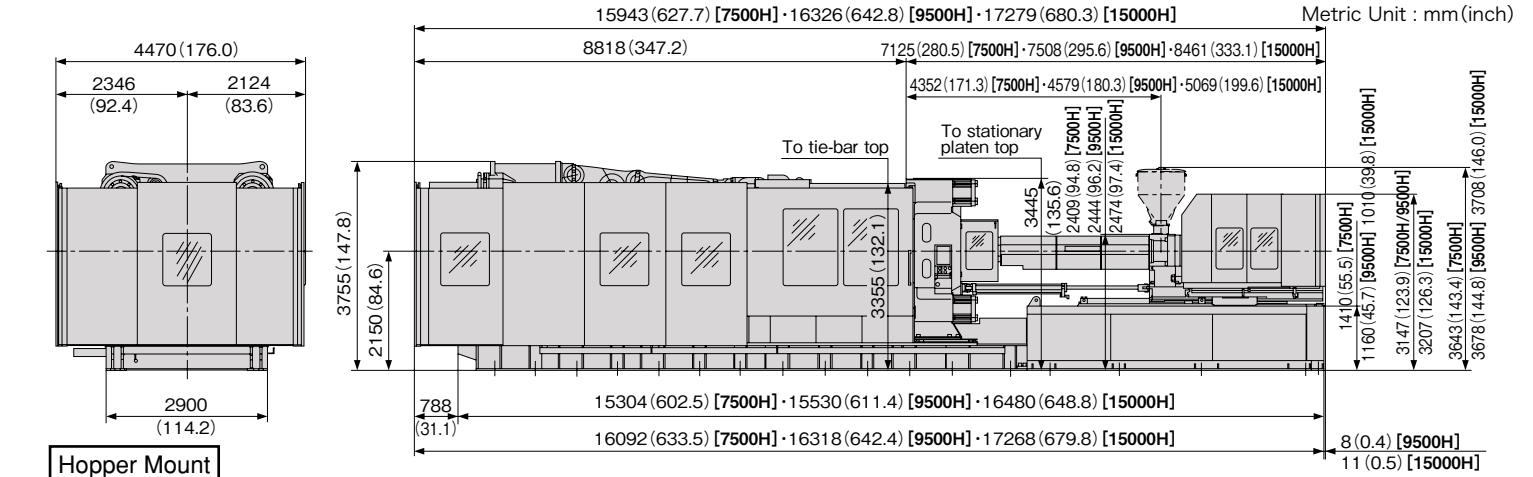
Injection Unit	Cooling Water Capacity for Barrel Temperature Control m ³ /h [ft ³ /h]
7500H	1.6 {56.5}
9500H	2.8 {98.9}
15000H	

Note: The above figures do not include the required quantity of water for the mold temperature controller.

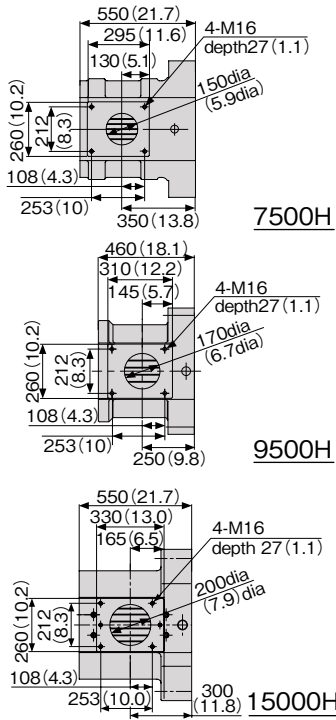
■ Hydraulic Oil Tank Capacity

Machine Model	Hydraulic Oil Tank Capacity L [USgal]
J2500AD	30 {7.9}

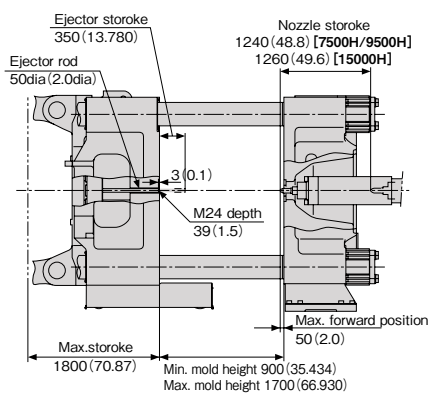
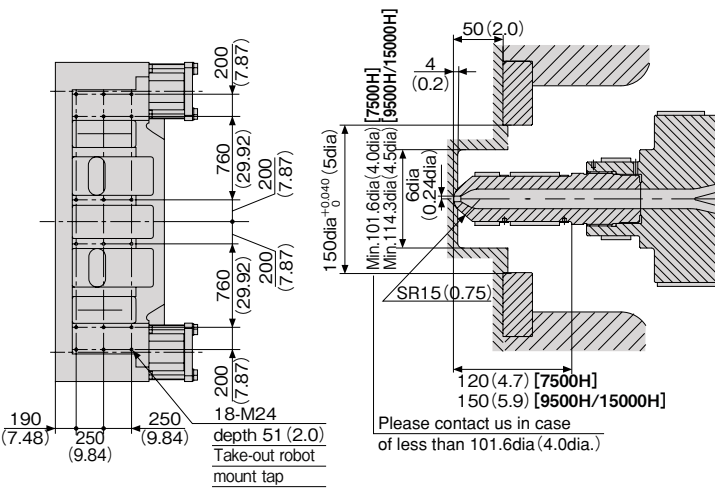
Equipment Dimensions and Mold Related Dimensions



Hopper Mount

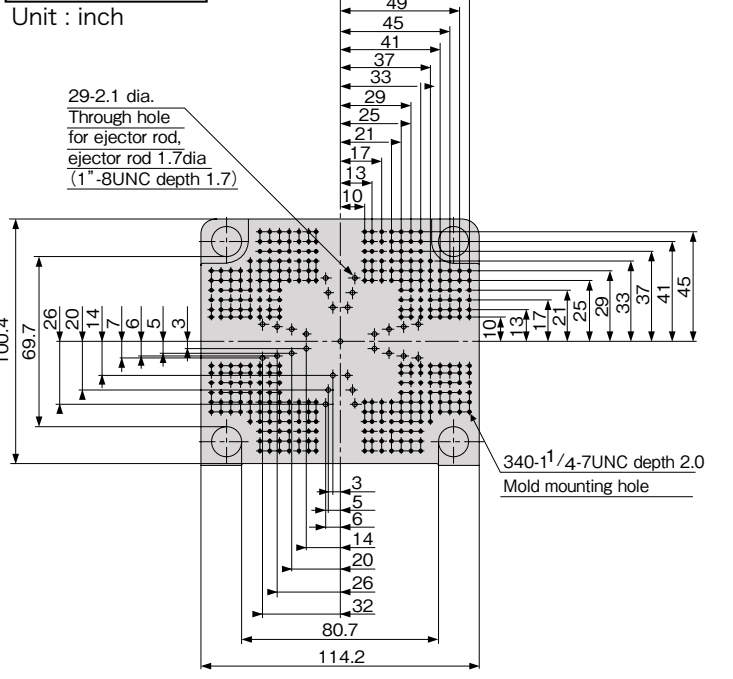


Stationary Platen Top



Movable Platen

SPI Specification



JIS Specification

