

Performance Table

Unit	Item	Model	J610ELIII					
			1400H			2300H		3100H
Injection Unit	Screw cylinder type	K (OP)	A	B	A	B	A	B
	Screw diameter in	2.60	2.99	3.31	3.31	3.62	3.62	3.94
	Screw stroke in	11.811			16.536		18.111	
	Theoretical injection capacity in <sup>3</sup>	62.6	83.1	101.5	142.1	170.4	186.6	220.5
	Injection capacity (GP-PS) oz	32.9	43.7	53.4	74.7	89.6	98.2	116.0
	Injection pressure (Max.) psi	34900	26300	21600	27500	22900	26800	22600
	Holding pressure (Max.) psi	31300	23600	19400	24800	20500	24200	20300
	Injection speed in/sec	6.30			6.30		6.30	
	Injection rate in <sup>3</sup> /sec	33.4	44.3	54.1	54.1	64.9	64.9	76.7
	Plasticizing rate (GP-PS)oz/sec	2.32	3.31	4.10	3.63	4.61	4.61	5.68
	Screw speed rpm	210			165		165	
	Nozzle touch force US ton	4.4			6.6		6.6	
	Nozzle stroke from platen in	2.0						
	Type of nozzle	Open nozzle						
	Cylinder temperature control	Cylinder 4 / Nozzle 1						
Heater wattage kW	34.9			40.0		45.2		
Clamping Unit	Mechanism	Double toggle						
	Clamping force US ton	607						
	Daylight opening (Max.) in	66.927						
	Opening stroke (Max.) in	35.43						
	Mold height in	15.748 ~ 31.497						
	Distance between tie-bars (H×V) in	37.8 × 35.4						
	Platen size (H×V) in	54.3 × 52.0						
	Ejector type	21 points						
	Ejector force US ton	13.3						
	Ejector stroke in	7.087						
General	Machine weight US ton	35.3			38.6		38.6	
	Machine dimensions (L×W×H) ft	29.33 × 7.58 × 8.27			31.71 × 7.58 × 8.27		31.82 × 7.58 × 8.27	
	Hopper capacity ft <sup>3</sup>	4.4			4.4		6.0	

## Remarks:

1. Injection pressure of J-ELIII series is different from that of JSW's hydraulic machines.
2. Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
3. The theoretical injection capacity is (cross sectional area of cylinder) × (stroke of screw) .
4. The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
5. The plasticizing rate is applicable for GP-PS.
6. PC (polycarbonate) , 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.

