

## PRINCIPAL SPECIFICATIONS AND VALUES FOR ISE - P MACHINES

Item	Model		ISE 30P			
	Unit					
Injection Unit						
Injection Symbol			I0.5	I1		
Screw Symbol			Y	Y	A	B
Screw Diameter	in		0.71	0.87	0.98	1.10
Injection Volume - Calculated	in <sup>3</sup>		1.1	2.0	3.4	4.2
Injection Capacity						
PS	OZ		0.5	1.0	1.6	2.1
PE	OZ		0.4	0.8	1.3	1.6
Injection Pressure	psi		36550	38120	29440	23750
Injection Rate						
Standard	in <sup>3</sup> /sec		2.6	2.4	3.2	4.0
Speed Acceleration (Optional)	in <sup>3</sup> /sec		5.1	4.9	6.3	7.9
Plasticizing Capacity PS	lbs/hr		22.0	37.5	44.1	55.1
Maximum Screw Rotation Speed	r.p.m.		480	380	380	360
Clamping Unit						
Clamping Force	sh.tons		27.6			
Mold Opening Force	sh.tons		2.8			
Distance Between Tie Rods (H x V)	in		10.2 x 10.2			
Platen Dimensions (H x V)	in		15.0 x 15.0			
Clamping Stroke	in		11.0			
Open Daylight - Maximum	in		16.9			
Closed Daylight - Minimum	in		5.9			
Mold Closing Speed						
Fast Speed	in/min		275 ~ 1496			
Slow speed	in/min		98			
Mold Opening Speed						
Fast Speed	in/min		275 ~ 1220			
Slow Speed	in/min		118			
Ejection Force (Hydraulic Ejection)	sh.tons		1.9			
Ejection Stroke	in		1.9			
Common						
Required Oil Quantity	US gal		28			
Motor for Pump	KW		7.5			
Heater Capacity	KW		3.4	4.7	4.7	5.4
Machine Dimensions (LxWxH)	ft		9.5 x 3.6 x 5.6	9.8 x 3.6 x 5.6		
Machine Weight	lbs		4000	4200		

NOTES: (1) The above values are for 220V, 60 Hz. Numeral values in parentheses are for 200V, 50 Hz.

(2) Injection capacity, injection rate and plasticizing capacity will vary according to the utilized resin and the molding conditions.