

Injection Unit		English					Metric					
Injection Capacity Maximum GPPS	Ounces	0.78	0.95	1.68	1.95	2.54	Grams	22	27	48	55	72
Theoretical Displacement	In <sup>3</sup>	1.4	1.7	3.1	3.6	4.7	Cm <sup>3</sup>	24	29	50	58	76
Maximum Injection Pressure	PSI	40,611	37,710	30,458	27,557	21,756	Bar	2800	2600	2100	1900	1500
Maximum Pack Pressure	PSI	40,611	34,809	27,557	23,206	18,855	Bar	2800	2400	1900	1600	1300
Maximum Injection Velocity	In/Sec	12.99	12.99	12.99	12.99	12.99	Cm/Sec	33	33	33	33	33
Maximum Injection Rate	In <sup>3</sup> /Sec	6.33	7.65	10.69	12.40	16.19	Cm <sup>3</sup> /Sec	104	125	175	203	265
Maximum Injection Pressure (increased rate)	PSI	40,611	37,710	30,458	27,557	n/a	Bar	2800	2600	2100	1900	n/a
Maximum Pack Pressure (increased rate)	PSI	40,611	34,809	27,557	23,206	n/a	Bar	2800	2400	1900	1600	n/a
Maximum Injection Velocity (increased rate)	In/Sec	19.69	19.69	19.69	19.69	n/a	Cm/Sec	50	50	50	50	n/a
Maximum Injection Rate (increased rate)	In <sup>3</sup> /Sec	9.58	11.60	16.20	18.78	n/a	Cm <sup>3</sup> /Sec	157	190	265	308	n/a
Screw Stroke	In	2.95	2.95	3.74	3.74	3.74	mm	75	75	95	95	95
Screw Diameter	In	0.79	0.87	1.02	1.10	1.26	mm	20	22	26	28	32
Screw L/D Ratio	L/D	20:1	20:1	20:1	20:1	20:1	L/D	20:1	20:1	20:1	20:1	20:1
Screw Speed Maximum	min <sup>-1</sup>	450	450	450	450	450	min <sup>-1</sup>	450	450	450	450	450
Screw Speed Maximum (increased rate)	min <sup>-1</sup>	450	450	450	450	n/a	min <sup>-1</sup>	450	450	450	450	n/a
Nozzle Touch Force	US Tons	1.65	1.65	1.65	1.65	1.65	Tons	1.5	1.5	1.5	1.5	1.5
Number of Pyrometers (barrel/nozzle)		3 / 1	3 / 1	3 / 1	3 / 1	3 / 1		3 / 1	3 / 1	3 / 1	3 / 1	3 / 1
Total Heat Capacity	kW	3.5	3.8	6.5	7.2	8.4	kW	3.5	3.8	6.5	7.2	8.4
Clamping Unit		Standard		Optional		Standard		Optional				
Clamping Force	US Tons	55		71.5		kN		500		650		
Mold Opening Stroke	In	9.84		9.84		mm		250		250		
Clamp Speed	In/Sec	21.85		18.5		mm/sec		555		470		
Dry Cycle Time @ 50% Stroke	Seconds	1.12		1.12		Seconds		1.12		1.12		
Maximum Daylight	In	23.62		25.59		mm		600		650		
Minimum/Maximum Mold Thickness	In	5.9 ~ 13.8		7.9 ~ 15.7		mm		150 ~ 350		200 ~ 400		
Minimum Mold Size	In	8.1 x 7.3		8.1 x 7.3		mm		205 x 185		205 x 185		
Maximum Mold Weight	Lbs	728		728		Kg		330		330		
Platen Size (H x V)	In	19.6 x 18.5		19.6 x 18.5		mm		500 x 470		500 x 470		
Distance Between Tie Rods (H x V)	In	14.2 x 12.6		14.2 x 12.6		mm		360 x 320		360 x 320		
Tie Rod Diameter	In	1.97		1.97		mm		50		50		
Eject Stroke Maximum	In	2.76		2.76		mm		70		70		
Ejector Force	US Tons	2.2		2.2		kN		20		20		
Mold Locating Ring Inside Diameter	In	4.00		4.00		mm		101.6		101.6		
General Data		Standard		Optional Increased Rate		Standard		Optional Increased Rate				
Length Overall	In	145.0		161.5		mm		3.684		4.103		
Width Overall	In	42.5		42.5		mm		1.080		1.080		
Height Overall	In	63.0		63.0		mm		1.601		1.601		
Weight	Lbs	6,173		6,393		Kg		2.800		2.900		
Input Power	Ph/Volt	3 Phase, 220 +/- 10%, 60 Hz +/- 1Hz		200V +/- 10% 50/60 Hz +/- 1 Hz		Ph/Volt		3 Phase, 220 +/- 10%, 60 Hz +/- 1Hz		200V +/- 10% 50/60 Hz +/- 1 Hz		
Breaker Size (machine only)	Amp	50		100		Amp		50		100		
Breaker Size (with outlets or mold heater)	Amp	150		200		Amp		150		200		
Machine	kva	25.6		39.8		kva		25.6		39.8		
External Outlet	kva	35.0		35.0		kva		35.0		35.0		
Maximum Total Capacity	kva	60.6		74.8		kva		60.6		74.8		