

Injection Unit		English					Metric					
Injection Capacity Maximum GPPS	Ounces	0.29	0.37	0.63	0.78	0.95	Grams	8	11	18	22	27
Theoretical Displacement	In ³	0.5	0.7	1.2	1.4	1.7	Cm ³	9	11	19	24	29
Maximum Injection Pressure	PSI	36,259	36,259	33,359	29,008	26,107	Bar	2500	2500	2300	2000	1800
Maximum Pack Pressure	PSI	36,259	33,359	27,557	26,107	23,206	Bar	2500	2300	1900	1800	1600
Maximum Injection Velocity	In/Sec	20.67	20.67	20.67	20.67	20.67	Cm/Sec	53	53	53	53	53
Maximum Injection Rate	In ³ /Sec	4.93	6.44	8.15	10.06	12.18	Cm ³ /Sec	81	106	134	165	200
Maximum Injection Pressure (increased rate)	PSI	36,259	36,259	36,259	29,008	n/a	Bar	2500	2500	2500	2000	1800
Maximum Pack Pressure (increased rate)	PSI	36,259	33,359	27,557	26,107	n/a	Bar	2500	2300	1900	1800	1600
Maximum Injection Velocity (increased rate)	In/Sec	27.56	27.56	27.56	27.56	n/a	Cm/Sec	70	70	70	70	70
Maximum Injection Rate (increased rate)	In ³ /Sec	6.57	8.59	10.87	13.42	n/a	Cm ³ /Sec	108	141	178	220	266
Screw Stroke	In	2.20	2.20	2.95	2.95	2.95	mm	56	56	75	75	75
Screw Diameter	In	0.55	0.63	0.71	0.79	0.87	mm	14	16	18	20	22
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 ⁻¹	450	450	450	450	450	min ⁻¹	450	450	450	450	450
Screw Speed Maximum (increased rate)	min ⁻¹	450	450	450	450	450	min ⁻¹	450	450	450	450	450
Nozzle Touch Force	US Tons	0.55	0.55	0.55	0.99	0.99	Tons	0.5	0.5	0.5	0.9	0.9
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	2.4	2.8	3.1	3.5	3.8	kW	2.4	2.8	3.1	3.5	3.8
Clamping Unit												
Clamping Force	US Tons	33				kN	300					
Mold Opening Stroke	In	9.06				mm	230					
Clamp Speed	In/Sec	27.56				mm/sec	700					
Dry Cycle Time @ 50% Stroke	Seconds	-				Seconds	-					
Maximum Daylight	In	21.65				mm	550					
Minimum/Maximum Mold Thickness	In	5.9 ~ 12.99				mm	130 ~ 260					
Minimum Mold Size	In	6.89 x 6.5				mm	150 X 135					
Maximum Mold Weight	Lbs	507				Kg	230					
Platen Size (H x V)	In	17.3 x 16.5				mm	440 x 420					
Distance Between Tie Rods (H x V)	In	12.2 x 11.4				mm	310 x 290					
Tie Rod Diameter	In	1.57				mm	40					
Eject Stroke Maximum	In	2.36				mm	60					
Ejector Force	US Tons	0.88				kN	8					
Mold Locating Ring Inside Diameter	In	4.00				mm	101.6					
General Data		Standard		Optional Increased Injection Rate		Standard		Optional Increased Injection Rate				
Length Overall	In	112.0		112.0		mm		2845				
Width Overall	In	36.5		36.5		mm		927				
Height Overall	In	61.0		61.0		mm		1550				
Weight	Lbs	4,145		4,299		Kg		1880				
Input Power	Ph/Volt	3 Phase, 220 +/- 10%, 60 Hz +/- 1Hz				Ph/Volt		200V +/- 10% 50/60 Hz +/- 1 Hz				
Breaker Size (machine only)	Amp	50		60		Amp		50				
Breaker Size (with outlets or mold heater)	Amp	100		125		Amp		100				
Machine	kva	13.6		13.6		kva		13.6				
External Outlet	kva	20.8		20.8		kva		20.8				
Maximum Total Capacity	kva	34.4		34.4		kva		34.4				