

Injection Unit		English			Metric				
Injection Capacity Maximum GPPS	Ounces	0.29	0.37	0.63	Grams	8	11	18	
Theoretical Displacement	In ³	0.5	0.7	1.2	Cm ³	9	11	19	
Maximum Injection Pressure	PSI	36,259	36,259	33,359	Bar	2500	2500	2300	
Maximum Pack Pressure	PSI	36,259	33,359	27,557	Bar	2500	2300	1900	
Maximum Injection Velocity	In/Sec	20.67	20.67	20.67	Cm/Sec	53	53	53	
Maximum Injection Rate	In ³ /Sec	4.93	6.44	8.15	Cm ³ /Sec	81	106	134	
Maximum Injection Pressure (increased rate)	PSI	36,259	36,259	36,259	Bar	2500	2500	2500	
Maximum Pack Pressure (increased rate)	PSI	36,259	33,359	27,557	Bar	2500	2300	1900	
Maximum Injection Velocity (increased rate)	In/Sec	27.56	27.56	27.56	Cm/Sec	70	70	70	
Maximum Injection Rate (increased rate)	In ³ /Sec	6.57	8.59	10.87	Cm ³ /Sec	108	141	178	
Screw Stroke	In	2.20	2.20	2.95	mm	56	56	75	
Screw Diameter	In	0.55	0.63	0.71	mm	14	16	18	
Screw L/D Ratio	L/D	20:1	20:1	20:1	L/D	20:1	20:1	20:1	
Screw Speed Maximum	min ⁻¹	450	450	450	min ⁻¹	450	450	450	
Screw Speed Maximum (increased rate)	min ⁻¹	450	450	450	min ⁻¹	450	450	450	
Nozzle Touch Force	US Tons	0.55	0.55	0.55	Tons	0.5	0.5	0.5	
Number of Pyrometers (barrel/nozzle)		3 / 1	3 / 1	3 / 1		3 / 1	3 / 1	3 / 1	
Total Heat Capacity	kW	2.4	2.8	3.1	kW	2.4	2.8	3.1	
Clamping Unit									
Clamping Force	US Tons	16.5			kN	150			
Mold Opening Stroke	In	6.30			mm	160			
Clamp Speed	In/Sec	28.86			mm/sec	733			
Dry Cycle Time @ 50% Stroke	Seconds	-			Seconds	-			
Maximum Daylight	In	16.54			mm	420			
Minimum/Maximum Mold Thickness	In	5.12 ~ 10.24			mm	130 ~ 260			
Minimum Mold Size	In	5.91 x 5.31			mm	150 X 135			
Maximum Mold Weight	Lbs	265			Kg	120			
Platen Size (H x V)	In	13.98 x 13.39			mm	355 x 340			
Distance Between Tie Rods (H x V)	In	10.24 x 9.25			mm	260 x 235			
Tie Rod Diameter	In	1.57			mm	40			
Eject Stroke Maximum	In	1.97			mm	50			
Ejector Force	US Tons	7.7			kN	70			
Mold Locating Ring Inside Diameter	In	2.36			mm	60			
General Data		Standard		Optional Increased Rate		Standard		Optional Increased Rate	
Length Overall	In	88.9		88.9		mm		2259	2259
Width Overall	In	34.3		34.3		mm		870	870
Height Overall	In	61.0		61.0		mm		1550	1550
Weight (Standard Machine)	Lbs	3,042		3,152		Kg		1380	1430
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	40		50		Amp		40	50
Breaker Size (with outlets or mold heater)	Amp	100		100		Amp		100	100
Machine	kva	9.5		13.2		kva		9.5	13.2
External Outlet	kva	20.8		20.8		kva		20.8	20.8
Maximum Total Capacity	kva	30.3		34.0		kva		30.3	34.0