

Technical Specifications

INJECTION UNIT	English						Metric					
Injection Capacity, Maximum GPPS	oz	0.78	0.95	1.68	1.95	2.54	gm	22	27	48	55	72
Theoretical Displacement	in ³	1.4	1.7	3.1	3.6	4.7	cm ³	24	29	50	58	76
Maximum Injection Pressure	psi	40,611	37,710	30,458	27,557	21,756	bar	2,800	2,600	2,100	1,900	1,500
Maximum Pack Pressure	psi	40,611	34,809	27,557	23,206	18,855	bar	2,800	2,400	1,900	1,600	1,300
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 ³ /sec	6.33	7.65	10.69	12.40	16.19	cm ³ /sec	104	125	175	203	265
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		20:1	20:1	20:1	20:1	20:1		20:1	20:1	20:1	20:1	20:1
Screw Speed Max	min ⁻¹	450	450	450	450	450	min ⁻¹	450	450	450	450	450
Nozzle Touch Force	ton	1.65	1.65	1.65	1.65	1.7	tonf	1.5	1.5	1.5	1.5	1.5
Number of Pyrometers (Barrel/Nozzle)	qty	3/1	3/1	3/1	3/1	3/1	qty	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

CLAMP		Standard		Optional		Standard		Optional		
Clamping Force	tons	55		71.5		kN	500		650	
Mold Opening Stroke	in	9.84				mm	250			
Dry Cycle Time @ 100% Stroke	sec	1.25				sec	1.25			
Maximum Daylight (single platen)	in	25.98		27.95		mm	660		710	
Min/Max Mold Thickness (single platen)	in	8.27 / 16.14		8.27 / 18.1		mm	210 / 410		210 / 460	
Maximum Daylight (double platen)	in	23.62		25.59		mm	600		650	
Min/Max mold thickness (double platen)	in	5.9 / 13.8		5.9 / 15.7		mm	150 / 350		150 / 400	
Minimum mold size	in	8.1 x 7.3				mm	205 x 185			
Maximum mold weight	lbs	Consult Factory				kgs	Consult Factory			
Platen Size (h x v)	in	19.6 x 18.5				mm	500 x 470			
Distance between tie rods (h x v)	in	14.2 x 12.6				mm	360 x 320			
Tie Rod Diameter	in	1.97				mm	50			
Eject Stroke Max	in	2.76				mm	70			
Ejector Force	tons	2.2				kN	20			
Mold locating ring inside diameter	in	4.00				mm	101.6			

GENERAL		Standard		Optional		Standard		Optional		
Overall Dimensions (L x W x H)	in	145 x 43.8 x 70.2		145.8 x 43.8 x 70.2		mm	3,684 x 1,112 x 1,782		3,704 x 1,112 x 1,782	
Machine Weight	lbs	6,393				kg	2,900			
Nominal input power source	Ph/Volt	3 Phase, 220 +/- 10%, 60 Hz +/- 1Hz				Ph/Volt	3 Phase, 200 V -10%, 50/60 Hz +/- 1Hz			
Breaker Size Machine Only	Amp	50				Amp	50			
Breaker Size with Aux Outlets	Amp	150				Amp	150			
Machine	kva	25.6				kva	25.6			
External Outlet	kva	35.0				kva	35.0			
Max Total Capacity	kva	60.6				kva	60.6			

