

Technical Specifications

INJECTION UNIT	English				Metric			
Injection Capacity, Maximum GPPS	oz	0.29	0.37	0.63	gm	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	2,500	2,500	2,300
Maximum Pack Pressure	psi	36,259	33,359	27,557	bar	2,500	2,300	1,900
Maximum Injection Velocity	in/sec	20.67	20.67	20.67	cm/sec	52.5	52.5	52.5
Maximum Injection Rate	in ³ /sec	4.88	6.41	8.11	cm ³ /sec	80	105	133
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		20:1	20:1	20:1		20:1	20:1	20:1
Screw Speed Max	min ⁻¹	450	450	450	min ⁻¹	450	450	450
Nozzle Touch Force	ton	0.55	0.55	0.55	tonf	0.5	0.5	0.5
Number of Pyrometers (Barrel/Nozzle)	qty	3/1	3/1	3/1	qty	3/1	3/1	3/1
Total Heat Capacity	kW	2.4	2.8	3.1	kW	2.4	2.8	3.1

CLAMP

Clamping Force	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	sec	0.81		sec	0.81
Maximum Daylight	in	16.54		mm	420
Min/Max 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	Consult Factory		kgs	Consult Factory
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 Max	in	1.97		mm	50
Ejector Force	tons	0.77		kN	7
Mold locating ring inside diameter	in	2.36		mm	60

GENERAL

Overall Dimensions (L x W x H)	in	98.4 x 34.6 x 60.0		mm	2,499 x 880 x 1,525
Machine Weight	lbs	3,197		kg	1,450
Nominal input power source	Ph/Volt	3 Phase, 220V -10%, 60 Hz +/-1Hz		Ph/Volt	3 Phase, 200V -10% 50/60 Hz +/-1Hz
Breaker Size Machine Only	Amp	40		Amp	40
Breaker Size with Aux Outlets	Amp	100		Amp	100
Machine	kva	9.5		kva	9.5
External Outlet	kva	20.8		kva	20.8
Max Total Capacity	kva	30.3		kva	30.3

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GENERAL ASSEMBLY DRAWINGS



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