

Technical Specifications

INJECTION UNIT	English						Metric					
Injection Capacity, Maximum GPPS	oz	0.29	0.37	0.63	0.78	0.95	gm	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	37,710	39,160	31,908	bar	2,500	2,500	2,600	2,700	2,200
Maximum Pack Pressure	psi	36,259	36,259	37,710	36,259	29,008	bar	2,500	2,500	2,600	2,500	2,000
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	4.88	6.41	8.11	10.01	12.14	cm ³ /sec	80	105	133	164	199
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		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	0.99	0.99	0.99	0.99	0.99	tonf	0.9	0.9	0.9	0.9	0.9
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	2.4	2.8	3.1	3.5	3.8	kW	2.4	2.8	3.1	3.5	3.8

CLAMP

Clamping Force	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	sec	0.87	sec	0.87
Maximum Daylight	in	22.05	mm	560
Min/Max mold thickness	in	5.9 / 12.99	mm	150 / 330
Minimum mold size	in	6.89 x 6.5	mm	175 x 165
Maximum mold weight	lbs	Consult Factory	kgs	Consult Factory
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 Max	in	2.36	mm	60
Ejector Force	tons	0.88	kN	8
Mold locating ring inside diameter	in	4.00	mm	101.6

GENERAL

Overall Dimensions (L x W x H)	in	119.5 x 38.7 x 60.3	mm	3,035 x 982 x 1,532
Machine Weight	lbs	4,409	kg	2,000
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	50	Amp	50
Breaker Size with Aux Outlets	Amp	100	Amp	100
Machine	kva	14.2	kva	14.2
External Outlet	kva	20.8	kva	20.8
Max Total Capacity	kva	35.0	kva	35.0

