

Technical Specifications

INJECTION UNIT	English							Metric						
Injection Capacity, Maximum GPPS	oz	0.95	1.68	1.95	3.42	4.87	6.02	gm	27	48	55	97	138	171
Theoretical Displacement	in ³	1.7	3.1	3.6	6.3	8.9	11.0	cm ³	29	50	58	103	147	181
Maximum Injection Pressure	psi	37,710	37,710	34,809	31,908	27,557	23,206	bar	2,600	2,600	2,400	2,200	1,900	1,600
Maximum Pack Pressure	psi	37,710	37,710	31,908	29,008	24,656	20,305	bar	2,600	2,600	2,200	2,000	1,700	1,400
Maximum Injection Velocity	in/sec	12.99	12.99	12.99	12.99	12.99	12.99	cm/sec	33	33	33	33	33	33
Maximum Injection Rate	in ³ /sec	7.65	10.69	12.40	16.19	20.49	25.30	cm ³ /sec	125	175	203	265	336	415
Screw Stroke	in	2.95	3.74	3.74	5.04	5.67	5.67	mm	75	95	95	128	144	144
Screw Diameter	in	0.87	1.02	1.10	1.26	1.42	1.57	mm	22	26	28	32	36	40
Screw L/D Ratio		20:1	20:1	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	450	min ⁻¹	450	450	450	450	450	450
Nozzle Touch Force	ton	1.65	1.65	1.65	1.65	1.65	1.65	tonf	1.5	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	3/1	qty	3/1	3/1	3/1	3/1	3/1	3/1
Total Heat Capacity	kW	3.8	6.5	7.2	8.4	9.1	10.1	kW	3.8	6.5	7.2	8.4	9.1	10.1

CLAMP		Standard		Optional	
Clamping Force	tons	165		198	
Mold Opening Stroke	in	17.32			
Dry Cycle Time @ 100% Stroke	sec	2.3			
Maximum Daylight (single platen)	in	39.96		43.90	
Min/Max Mold Thickness (single platen)	in	10.83 / 22.64		10.83 / 26.6	
Maximum Daylight (2 platen)	in	37.01		40.94	
Min/Max Mold Thickness (2 platen)	in	7.8 / 19.7		7.8 / 23.6	
Minimum Mold Size	in	13.8 x 11.8			
Maximum Mold Weight	lbs	Consult Factory			
Platen Size (h x v)	in	31.5 x 29.5			
Distance between tie rods (h x v)	in	22.0 x 20.1			
Tie Rod Diameter	in	3.54			
Eject Stroke Max	in	5.91			
Ejector Force	tons	3.85			
Mold locating ring inside diameter	in	4.00			

GENERAL				
Overall Dimensions (L x W x H)	in	196.5 x 55.4 x 71.5	mm	4,990 x 1,408 x 1,815
Machine Weight	lbs	14,330	kg	6,500
Nominal input power source	Ph/Volt	3 Phase, 220V -10%, 60 Hz +/-1 Hz	Ph/Volt	3 Phase, 220V -10%, 50/60 Hz +/-1 Hz
Breaker Size Machine Only	Amp	60	Amp	60
Breaker Size with Aux Outlets	Amp	150	Amp	150
Machine	kva	27.3	kva	27.3
External Outlet	kva	35.0	kva	35.0
Max Total Capacity	kva	62.3	kva	62.3

