

ROBOSHOT a-S140iAg



Technical Specifications

INJECTION UNIT	English				Metric			
Injection Capacity, Maximum GPPS	oz	3.42	4.87	6.02	gm	97	138	171
Theoretical Displacement	in ³	6.3	8.9	11.0	cm ³	103	147	181
Maximum Injection Pressure	psi	31,908	27,557	23,206	bar	2,200	1,900	1,600
Maximum Pack Pressure	psi	29,008	24,656	21,756	bar	2,000	1,700	1,400
Maximum Injection Velocity	in/sec	7.87	7.87	7.87	cm/sec	20	20	20
Maximum Injection Rate	in ³ /sec	9.81	12.42	15.31	cm ³ /sec	161	204	251
Screw Stroke	in	5.04	5.67	5.67	mm	128	144	144
Screw Diameter	in	1.26	1.42	1.57	mm	32	36	40
Screw L/D Ratio		20:1	20:1	20:1		20:1	20:1	20:1
Screw Speed Max	min ⁻¹	300	300	300	min ⁻¹	300	300	300
Nozzle Touch Force	ton	1.65	1.65	1.65	tonf	1.5	1.5	1.5
Number of Pyrometers (Barrel/Nozzle)	qty	3/1	3/1	3/1	qty	3/1	3/1	3/1
Total Heat Capacity	kW	8.4	9.1	9.9	kW	8.4	9.1	9.9

CLAMP		Standard		Optional	
Clamping Force	tons	143		kN 1300	
Mold Opening Stroke	in	15.75		mm 400	
Dry Cycle Time @ 93% Stroke	sec	1.91		sec 1.91	
Maximum Daylight	in	38.19	42.13	mm 970	1070
Min/Max Mold Thickness	in	7.87 / 22.44		mm 200 / 570 200 / 670	
Minimum mold size	in	11.81 x 11.81		mm 300 x 300	
Maximum mold weight	lbs	Consult Factory		kgs Consult Factory	
Platen Size (h x v)	in	28.74 x 28.74		mm 730 x 730	
Distance between tie rods (h x v)	in	20.86 x 20.86		mm 530 x 530	
Tie Rod Diameter	in	2.76		mm 70	
Eject Stroke Max	in	3.94		mm 100	
Ejector Force	tons	2.75		kN 25	
Mold locating ring inside diameter	in	4.00		mm 101.6	

GENERAL						
Overall Dimensions (L x W x H)	in	181.9 x 55.4 x 64.0			mm	4,620 x 1,408 x 1,626
Machine Weight	lbs	10,803			kg	4,900
Nominal input power source	Ph/Volt	3 Phase, 200V -10%, 50/60 Hz +/- 1Hz			Ph/Volt	3 Phase, 200V -10%, 50/60 Hz +/- 1Hz
Breaker Size Machine Only	Amp	60			Amp	60
Breaker Size with Aux Outlets	Amp	150			Amp	150
Machine	kva	52.8			kva	52.8
External Outlet	kva	18.1			kva	18.1
Max Total Capacity	kva	70.9			kva	70.9

