

ROBOSHOT a-S240iAg



Technical Specifications

INJECTION UNIT	English				Metric			
Injection Capacity, Maximum GPPS	oz	8.9	10.59	14.69	gm	252	300	416
Theoretical Displacement	in ³	16.3	19.4	27.0	cm ³	268	318	442
Maximum Injection Pressure	psi	31,908	27,557	23,206	bar	2,200	1,900	1,600
Maximum Pack Pressure	psi	27,557	23,206	18,855	bar	1,900	1,600	1,300
Maximum Injection Velocity	in/sec	7.87	7.87	7.87	cm/sec	20	20	20
Maximum Injection Rate	in ³ /sec	18.55	22.08	25.91	cm ³ /sec	304	362	425
Screw Stroke	in	6.93	6.93	8.19	mm	176	176	208
Screw Diameter	in	1.73	1.89	2.05	mm	44	48	52
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	3.3	3.3	3.3	tonf	3.0	3.0	3.0
Number of Pyrometers (Barrel/Nozzle)	qty	3/1	3/1	3/1	qty	3/1	3/1	3/1
Total Heat Capacity	kW	15.9	17.9	20.2	kW	15.9	17.9	20.2

CLAMP		Standard		Optional	
Clamping Force	tons	242			
Mold Opening Stroke	in	21.65			
Dry Cycle Time @ 83% Stroke	sec	2.54			
Maximum Daylight	in	47.24		51.18	
Min/Max Mold Thickness	in	9.84 / 25.6		9.84 / 29.5	
Minimum Mold Size	in	14.7 x 14.7			
Maximum Mold Weight	lbs	Consult Factory			
Platen Size (h x v)	in	35.4 x 35.4			
Distance between tie rods (h x v)	in	25.6 x 25.6			
Tie Rod Diameter	in	3.94			
Eject Stroke Max	in	5.91			
Ejector Force	tons	3.85			
Mold locating ring inside diameter	in	4.00			

GENERAL		Standard		Optional	
Overall Dimensions (L x W x H)	in	220.2 x 62.2 x 76.0		229.8 x 62.2 x 76.0	
Machine Weight	lbs		19,180		
Nominal input power source	Ph/Volt	3 Phase, 220V -10%, 60Hz +/- 1Hz		3 Phase, 220V -10%, 50/60Hz +/- 1Hz	
Breaker Size Machine Only	Amp		75		75
Breaker Size with Aux Outlets	Amp		175		175
Machine	kva		59.8		59.8
External Outlet	kva		25.1		25.1
Max Total Capacity	kva		84.9		84.9

