

THE ROBOSHOT

ALPHA SERIES

TONNAGE: S17-iA

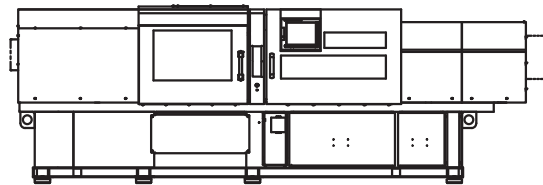
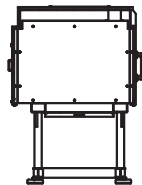
Screw Diameter:
14, 16, 18

TECHNICAL SPECIFICATIONS

Screw Diameter		14	16	18
	ENGLISH METRIC			
General				
Overall Dimensions (L x W x H)	in mm	98.4 x 34.6 x 62.0 2,499 x 880 x 1,575		
Machine Weight	lbs kg	3,197 1,450		
Nominal Input Power Source	Ph/Volt	3 Phase, 200 - 220V *		
Standard Breaker Size	Amp	40		
Increased capacity Breaker Size	Amp	100		
Min Transformer w/std breaker	kva	20		
Min Transformer w/increased breaker	kva	30		
Injection Unit Specifications				
Screw Diameter	in mm	0.55 14	0.63 16	0.71 18
Injection Capacity, Maximum GPPS	oz gms	0.29 8	0.37 11	0.63 18
Theoretical Displacement	in ³ cm ³	0.5 9	0.7 11	1.2 19
Maximum Injection Pressure	psi bar	35,558 2,500	35,558 2,500	36,980 2,600
Maximum Pack Pressure	psi bar	35,558 2,500	35,558 2,500	27,024 1,900
Maximum Injection Velocity	in/sec cm/sec	20.67 52.5	20.67 52.5	20.67 52.5
Maximum Injection Rate	in ³ /sec cm ³ /sec	4.88 80	6.41 105	8.11 133
Screw Stroke	in mm	22.0 56	22.0 56	2.95 75
Screw L/D Ratio	L/D	20:1	20:1	20:1
Screw Speed Max	min ⁻¹	450	450	450
Nozzle Touch Force	ton kN	0.55 5	0.55 5	0.55 5
Number of Pyrometers (Barrel/Nozzle)	qty	3/1	3/1	3/1
Total Heat Capacity	kW	2.4	2.8	3.1

1) *Allowable fluctuation V +/- 10%, +/- 1 Hz.

THE ROBOSHOT SERIES (17-550 TON)



Not actual model, for visual reference only.

Screw Diameter		14		16		18	
		ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC
Clamp							
Clamping Force	ton			16.5			
	kN			150			
Platen Size (HxV)	in			13.98 x 13.39			
	mm			355 x 340			
Distance Between Tie Rods (HxV)	in			10.24 x 9.25			
	mm			260 x 235			
Tie Rod Diameter	in			1.57			
	mm			40			
Mold Opening Stroke	in			6.3			
	mm			160			
Clamp Speed	in/sec			28.86			
	mm/sec			733			
Maximum Daylight	in			16.54			
	mm			420			
Min/Max Mold Thickness	in			5.12 / 10.24			
	mm			130 / 260			
Minimum Mold Size (HxV)	in			5.91 x 5.31			
	mm			150 x 135			
Maximum Mold Weight	lbs			132 / 132			
	kg			60 / 60			
Euromap 6 Dry Cycle Time	sec			0.85			
Mold locating ring inside diameter	in			2.36			
	mm			60			
Ejector Force	tons			0.77			
	kN			0.7			
Ejector Stroke Max	in			1.97			
	mm			50			

Notes

1) All machine dimensions and specifications are subject to change. Values are for reference only. All general assembly drawings or visuals included herein are for reference only. Please consult the general assembly drawing from a Milacron representative.