



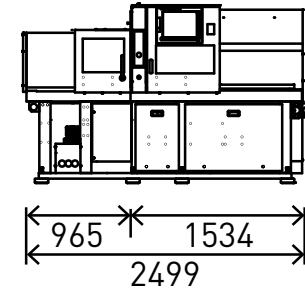
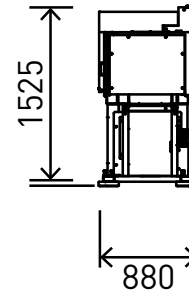
ROBOSHOT

ALPHA SERIES

Tonnage: 17

**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 60 2,499 x 880 x 1,525		
Machine Weight	lbs kg	3,197 1,450		
Nominal Input Power Source	Ph/Volt	3 Phase, 220V +/- 10%, 60 Hz +/- 1Hz		
Breaker Size Machine Only	Amp	40		
Breaker Size with Aux Outlets	Amp	100		
Machine	kva	9.5		
External Outlet	kva	20.8		
Max Total Capacity	kva	30.3		
Injection Unit Specifications				
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	36,259 2,500	36,259 2,500	33,359 2,300
Maximum Pack Pressure	psi bar	36,259 2,500	33,359 2,300	27,557 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	2.2 56	2.2 56	2.95 75
Screw Diameter	in mm	0.55 14	0.63 16	0.71 18
Screw L/D Ratio	L/D	20:1	20:1	20:1
Screw Speed Max	min ⁻¹	450	450	450
Nozzle Touch Force	ton tonf	0.55 0.5	0.55 0.5	0.55 0.5
Number of Pyrometers (Barrel/Nozzle)	qty	3/1	3/1	3/1
Total Heat Capacity	kW	2.4	2.8	3.1

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Screw Diameter		14	16	18
	ENGLISH METRIC			
Clamp				
Clamping Force	ton kN	16.5 150		
Mold Opening Stroke	in mm	6.3 160		
Clamp Speed	in/sec mm/sec	28.86 733		
Ejector Force	tons kN	0.77 7		
Ejector Stroke Max	in mm	1.97 50		
Maximum Daylight	in mm	16.54 420		
Min/Max Mold Thickness	in mm	5.12 / 10.24 130 / 260		
Minimum Mold Size	in mm	5.91 x 5.31 150 x 135		
Maximum Mold Weight	lbs kg	264 120		
Platen Size (H x V)	in mm	13.98 x 13.39 355 x 340		
Distance Between Tie Rods (H x V)	in mm	10.24 x 9.25 260 x 235		
Tie Rod Diameter	in mm	1.57 40		
Euromap 6 Dry Cycle Time	sec	0.85		
Mold locating ring inside diameter	in mm	2.36 60		

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.



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