



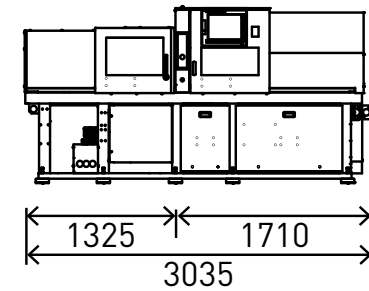
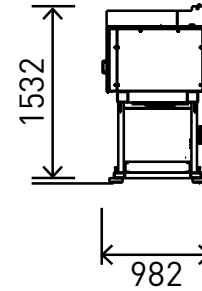
ROBOSHOT

ALPHA SERIES

Tonnage: 33

**Screw Diameter:
14, 16, 18, 20, 22**

TECHNICAL SPECIFICATIONS



Screw Diameter		14	16	18	20	22
	ENGLISH					
	METRIC					
General						
Overall Dimensions (L x W x H)	in mm	119.5 x 38.7 x 60.3 3,035 x 982 x 1,532				
Machine Weight	lbs kg	4,409 2,000				
Nominal Input Power Source	Ph/Volt	3 Phase, 220V +/- 10%, 60 Hz +/- 1Hz				
Breaker Size Machine Only	Amp	50				
Breaker Size with Aux Outlets	Amp	100				
Machine	kva	14.2				
External Outlet	kva	20.8				
Max Total Capacity	kva	35				
Injection Unit Specifications						
Injection Capacity, Maximum GPPS	oz gms	0.29 8	0.37 11	0.63 18	0.78 22	0.95 27
Theoretical Displacement	in ³ cm ³	0.5 9	0.7 11	1.2 19	1.4 24	1.7 29
Maximum Injection Pressure	psi bar	36,259 2,500	36,259 2,500	37,710 2,600	39,160 2,700	31,908 2,200
Maximum Pack Pressure	psi bar	36,259 2,500	36,259 2,500	37,710 2,600	36,259 2,500	29,008 2,000
Maximum Injection Velocity	in/sec cm/sec	20.67 53	20.67 53	20.67 53	20.67 53	20.67 53
Maximum Injection Rate	in ³ /sec cm ³ /sec	4.88 80	6.41 105	8.11 133	10.01 164	12.14 199
Screw Stroke	in mm	2.2 56	2.2 56	2.95 75	2.95 75	2.95 75
Screw Diameter	in mm	0.55 14	0.63 16	0.71 18	0.79 20	0.87 22
Screw L/D Ratio	L/D	20:1	20:1	20:1	20:1	20:1
Screw Speed Max	min ⁻¹	450	450	450	450	450
Nozzle Touch Force	ton tonf	0.99 0.9	0.99 0.9	0.99 0.9	0.99 0.9	0.99 0.9
Number of Pyrometers (Barrel/Nozzle)	qty	3/1	3/1	3/1	3/1	3/1
Total Heat Capacity	kW	2.4	2.8	3.1	3.5	3.8

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Screw Diameter		14	16	18	20	22
	ENGLISH METRIC					
Clamp						
Clamping Force	ton kN			33 300		
Mold Opening Stroke	in mm			9.06 230		
Clamp Speed	in/sec mm/sec			27.56 700		
Ejector Force	tons kN			0.88 8		
Ejector Stroke Max	in mm			2.36 60		
Maximum Daylight	in mm			22.05 560		
Min/Max Mold Thickness	in mm			5.9 / 12.99 150 / 330		
Minimum Mold Size	in mm			6.89 x 6.5 175 x 165		
Maximum Mold Weight	lbs kg			661 300		
Platen Size (H x V)	in mm			17.3 x 16.5 440 x 420		
Distance Between Tie Rods (H x V)	in mm			12.2 x 11.4 310 x 290		
Tie Rod Diameter	in mm			1.57 40		
Eurompa 6 Dry Cycle Time	sec			0.99		
Mold locating ring inside diameter	in mm			4.0 101.6		

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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