



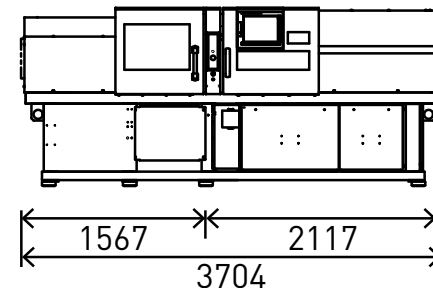
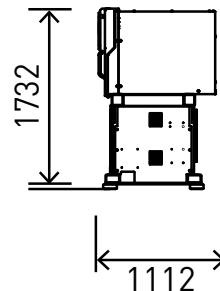
ROBOSHOT

ALPHA SERIES

Tonnage: 55

**Screw Diameter:
20, 22, 26, 28, 32**

TECHNICAL SPECIFICATIONS



Screw Diameter		20	22	26	28	32
	ENGLISH					
	METRIC					
General						
Overall Dimensions (L x W x H)	in mm	145 x 43.8 x 70.2 3,704 x 1,112 x 1,782				
Machine Weight	lbs kg	6,393 2,900				
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	150				
Machine	kva	25.6				
External Outlet	kva	35				
Max Total Capacity	kva	60.6				
Injection Unit Specifications						
Injection Capacity, Maximum GPPS	oz gms	0.78 22	0.95 27	1.68 48	1.95 55	2.54 72
Theoretical Displacement	in ³ cm ³	1.4 24	1.7 29	3.1 50	3.6 58	4.7 76
Maximum Injection Pressure	psi bar	40,611 2,800	37,710 2,600	30,458 2,100	27,557 1,900	21,756 1,500
Maximum Pack Pressure	psi bar	40,611 2,800	34,809 2,400	27,557 1,900	23,206 1,600	18,855 1,300
Maximum Injection Velocity	in/sec cm/sec	12.99 33	12.99 33	12.99 33	12.99 33	12.99 33
Maximum Injection Rate	in ³ /sec cm ³ /sec	6.33 104	7.65 125	10.69 175	12.4 203	16.19 265
Screw Stroke	in mm	2.95 75	2.95 75	3.74 95	3.74 95	3.74 95
Screw Diameter	in mm	0.79 20	0.87 22	1.02 26	1.10 28	1.26 32
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	1.65 1.5	1.65 1.5	1.65 1.5	1.65 1.5	1.7 1.5
Number of Pyrometers (Barrel/Nozzle)	qty	3/1	3/1	3/1	3/1	3/1
Total Heat Capacity	kW	3.5	3.8	6.5	7.2	8.4

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Screw Diameter		20	22	26	28	32
		ENGLISH METRIC				
Clamp		Standard			Optional	
Clamping Force	ton kN	55 500			71.5 650	
Mold Opening Stroke	in mm	9.84 250				
Ejector Force	tons kN	2.2 20				
Ejector Stroke Max	in mm	2.76 70				
Maximum Daylight (single platen)	in mm	25.98 660			27.95 710	
Min/Max Mold Thickness (single platen)	in mm	8.27 / 16.14 210 / 410			8.27 / 18.1 210 / 460	
Maximum Daylight (double platen)	in mm	23.62 600			25.59 650	
Min/Max Mold Thickness (double platen)	in mm	5.9 / 13.8 150 / 350			5.9 / 15.7 150 / 400	
Minimum Mold Size	in mm	8.1 x 7.3 205 x 185				
Maximum Mold Weight (single platen)	lbs kg	1,146 520				
Maximum Mold Weight (double platen)	lbs kg	970 440				
Platen Size (H x V)	in mm	19.6 x 18.5 500 x 470				
Distance Between Tie Rods (H x V)	in mm	14.2 x 12.6 360 x 320				
Tie Rod Diameter	in mm	1.97 50				
Euromap 6 Dry Cycle Time*	sec	1.29				
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.
- 2) *Increased tonnage may affect max clamp speed



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