



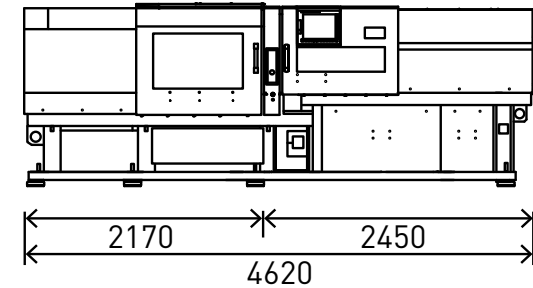
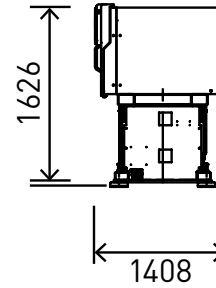
ROBOSHOT

ALPHA SERIES

Tonnage: 140

**Screw Diameter:
22, 26, 28, 32, 36, 40**

TECHNICAL SPECIFICATIONS



Screw Diameter		22	26	28	32	36	40
	ENGLISH METRIC						
General							
Overall Dimensions (L x W x H)	in mm	181.9 x 55.4 x 64.0 4,620 x 1,408 x 1,626					
Machine Weight	lbs kg	10,803 4,900					
Nominal Input Power Source	Ph/Volt	3 Phase, 220V +/-10%, 60 Hz +/- 1 Hz					
Breaker Size Machine Only	Amp	60					
Breaker Size with Aux Outlets	Amp	150					
Machine	kva	52.8					
External Outlet	kva	18.1					
Max Total Capacity	kva	70.9					
Injection Unit Specifications							
Injection Capacity, Maximum GPPS	oz gms	0.95 27	1.68 48	1.95 55	3.42 97	4.87 138	6.02 171
Theoretical Displacement	in ³ cm ³	1.7 29	3.1 50	3.6 58	6.3 103	8.9 147	11 181
Maximum Injection Pressure	psi bar	37,710 2,600	37,710 2,600	34,809 2,400	31,908 2,200	27,557 1,900	23,206 1,600
Maximum Pack Pressure	psi bar	37,710 2,600	37,710 2,600	31,908 2,200	29,008 2,000	24,656 1,700	21,756 1,400
Maximum Injection Velocity	in/sec cm/sec	7.87 20	7.87 20	7.87 20	7.87 20	7.87 20	7.87 20
Maximum Injection Rate	in ³ /sec cm ³ /sec	4.64 125	6.48 125	7.51 175	9.81 161	12.42 204	15.31 251
Screw Stroke	in mm	2.95 76	3.74 106	3.74 123	5.04 128	5.67 144	5.67 144
Screw Diameter	in mm	0.87 22	1.02 26	1.1 28	1.26 32	1.42 36	1.57 40
Screw L/D Ratio	L/D	20:1	20:1	20:1	20:1	20:1	20:1
Screw Speed Max	min ⁻¹	300	300	300	300	300	300
Nozzle Touch Force	ton tonf	1.65 1.5	1.65 1.5	1.65 1.5	1.65 1.5	1.65 1.5	1.65 1.5
Number of Pyrometers (Barrel/Nozzle)	qty	3/1	3/1	3/1	3/1	3/1	3/1
Total Heat Capacity	kW	3.8	6.5	7.2	8.4	9.1	9.9

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Screw Diameter		22	26	28	32	36	40
	ENGLISH METRIC						
Clamp		Standard			Optional		
Clamping Force	ton kN	143 1,300					
Mold Opening Stroke	in mm	15.75 400					
Ejector Force	tons kN	2.75 25					
Ejector Stroke Max	in mm	3.94 100					
Maximum Daylight	in mm	38.19 970			42.13 1,070		
Min/Max Mold Thickness	in mm	7.87 / 22.44 200 / 570			7.87 / 26.27 200 / 670		
Minimum Mold Size	in mm	11.81 x 11.81 300 x 300					
Maximum Mold Weight	lbs kg	3,306 1,500					
Platen Size (H x V)	in mm	28.74 x 28.74 730 x 730					
Distance Between Tie Rods (H x V)	in mm	20.86 x 20.86 530 x 530					
Tie Rod Diameter	in mm	2.76 70					
Euromap 6 Dry Cycle Time	sec	1.91					
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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