



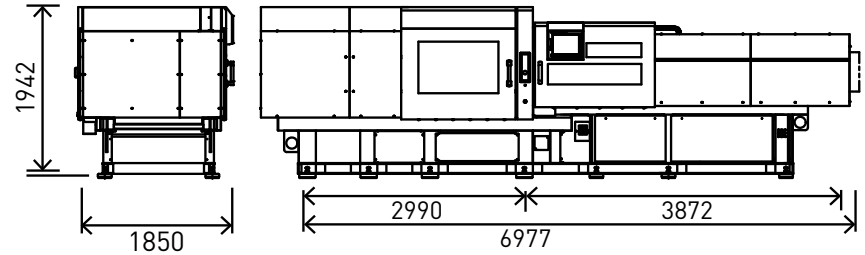
# ROBOSHOT

## ALPHA SERIES

**Tonnage: 330**

**Screw Diameter:  
40, 44, 48, 52, 56, 64, 68, 72**

## TECHNICAL SPECIFICATIONS



Screw Diameter		40	44	48	52	56	64	68	72
	ENGLISH METRIC								
<b>General</b>									
Overall Dimensions (L x W x H)	in mm	275.2 x 71.6 x 78.4 6,977 x 1,850 x 1,942							
Machine Weight	lbs kg	32,187 14,600							
Nominal Input Power Source	Ph/Volt	3 Phase, 220V +/-10%, 60 Hz +/- 1 Hz							
Breaker Size Machine Only	Amp	150							
Breaker Size with Aux Outlets	Amp	225							
Machine	kva	97.5							
External Outlet	kva	35							
Max Total Capacity	kva	132.5							
<b>Injection Unit Specifications</b>									
Injection Capacity, Maximum GPPS	oz gms	6.27 178	8.9 252	10.59 300	14.69 416	21.29 604	27.81 788	31.4 890	35.2 998
Theoretical Displacement	in <sup>3</sup> cm <sup>3</sup>	11.5 188	16.3 268	19.4 318	27 442	39.1 640	51 836	57.6 944	64.6 1,059
Maximum Injection Pressure	psi bar	40,611 2,800	40,611 2,800	39,160 2,700	34,809 2,400	32,633 2,250	25,382 1,750	22,481 1,550	19,580 1,350
Maximum Pack Pressure	psi bar	40,611 2,800	37,710 2,600	34,809 2,400	31,908 2,200	28,282 1,950	21,756 1,500	18,855 1,300	17,405 1,200
Maximum Injection Velocity	in/sec cm/sec	9.45 24	9.45 24	9.45 24	9.45 24	9.45 24	9.45 24	9.45 24	9.45 24
Maximum Injection Rate	in <sup>3</sup> /sec cm <sup>3</sup> /sec	18.4 302	22.27 365	26.5 434	31.1 510	36.07 591	47.11 772	53.18 872	59.62 977
Screw Stroke	in mm	5.91 150	6.93 176	6.93 176	8.19 208	10.24 260	10.24 260	10.24 260	10.24 260
Screw Diameter	in mm	1.57 40	1.73 44	1.89 48	2.05 52	2.2 56	2.52 64	2.68 68	2.83 72
Screw L/D Ratio	L/D	20:1	20:1	20:1	20:1	20:1	20:1	20:1	20:1
Screw Speed Max	min <sup>-1</sup>	400	400	400	400	400	400	400	400
Nozzle Touch Force	ton tonf	3.3 3	3.3 3	3.3 3	3.3 3	3.3 3	3.3 3	3.3 3	3.3 3
Number of Pyrometers (Barrel/Nozzle)	qty	3/1	3/1	3/1	3/1	3/1	3/1	3/1	3/1
Total Heat Capacity	kW	15.4	16.8	18.3	20.1	22.9	26.2	26.2	26.2

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Pub Number: T4.1109.B.08.17

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Screw Diameter		40	44	48	52	56	64	68	72
	ENGLISH METRIC								
Clamp		Standard				Optional			
Clamping Force	ton kN	330 3,000				385 3,500			
Mold Opening Stroke	in mm	23.62 600							
Clamp Speed	in/sec mm/sec	15.75 400				12.6 320			
Ejector Force	tons kN	8.8 80							
Ejector Stroke Max	in mm	7.87 200							
Maximum Daylight	in mm	49.21 1,250				53.15 1,350			
Min/Max Mold Thickness	in mm	11.8 / 25.6 300 / 650				11.8 / 29.5 300 / 750			
Minimum Mold Size	in mm	20.5 x 16.5 520 x 420							
Maximum Mold Weight	lbs kg	10,582 4,800							
Platen Size (H x V)	in mm	44.5 x 40.6 1,130 x 1,030							
Distance Between Tie Rods (H x V)	in mm	31.9 x 28 810 x 710							
Tie Rod Diameter	in mm	5.12 130							
Euromap 6 Dry Cycle Time*	sec	2.92							
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 effect max clamp speed



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## TECHNICAL SPECIFICATIONS

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