



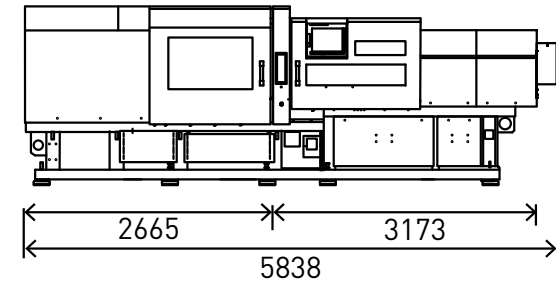
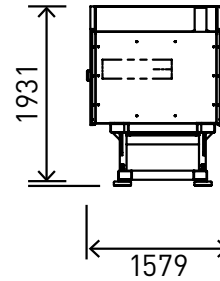
ROBOSHOT

ALPHA SERIES

Tonnage: 240

**Screw Diameter:
32, 36, 40, 44, 48, 52**

TECHNICAL SPECIFICATIONS



Screw Diameter		32	36	40	44	48	52
	ENGLISH METRIC						
General							
Overall Dimensions (L x W x H)	in mm	229.8 x 62.2 x 76 5,838 x 1,579 x 1,931					
Machine Weight	lbs kg	19,180 8,700					
Nominal Input Power Source	Ph/Volt	3 Phase, 220V +/-10%, 60 Hz +/- 1 Hz					
Breaker Size Machine Only	Amp	75					
Breaker Size with Aux Outlets	Amp	175					
Machine	kva	59.8					
External Outlet	kva	25.1					
Max Total Capacity	kva	84.9					
Injection Unit Specifications							
Injection Capacity, Maximum GPPS	oz gms	4.01 114	5.08 144	6.27 178	8.9 252	10.59 300	14.69 416
Theoretical Displacement	in ³ cm ³	7.4 121	9.3 153	11.5 188	16.3 268	19.4 318	27.0 442
Maximum Injection Pressure	psi bar	40,611 2,800	40,611 2,800	37,710 2,600	31,908 2,200	27,557 1,900	23,206 1,600
Maximum Pack Pressure	psi bar	40,611 2,800	40,611 2,800	31,908 2,200	27,557 1,900	23,206 1,600	18,855 1,300
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	9.81 161	12.42 204	15.33 251	18.55 304	22.08 362	25.91 425
Screw Stroke	in mm	5.91 150	5.91 150	5.91 150	6.93 176	6.93 176	8.19 208
Screw Diameter	in mm	1.26 32	1.42 36	1.57 40	1.73 44	1.89 48	2.05 52
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	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
Total Heat Capacity	kW	12	13	14.9	15.9	17.9	20.2

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Screw Diameter		32	36	40	44	48	52
	ENGLISH METRIC						
Clamp		Standard			Optional		
Clamping Force	ton kN	242 2,200					
Mold Opening Stroke	in mm	21.65 550					
Ejector Force	tons kN	3.85 35					
Ejector Stroke Max	in mm	5.91 150					
Maximum Daylight	in mm	47.24 1,200			51.18 1,300		
Min/Max Mold Thickness	in mm	9.84 / 25.6 250 / 650			9.84 / 29.5 250 / 750		
Minimum Mold Size	in mm	14.7 x 14.7 375 x 375					
Maximum Mold Weight	lbs kg	6,613 3,000					
Platen Size (H x V)	in mm	35.4 x 35.4 900 x 900					
Distance Between Tie Rods (H x V)	in mm	25.6 x 25.6 650 x 650					
Tie Rod Diameter	in mm	3.94 100					
Euromap 6 Dry Cycle Time	sec	2.54					
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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