



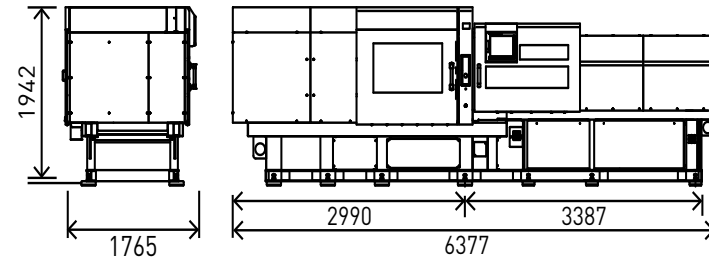
ROBOSHOT

ALPHA SERIES

Tonnage: 275

**Screw Diameter:
32, 36, 40, 44, 48, 52, 56**

TECHNICAL SPECIFICATIONS



Screw Diameter		32	36	40	44	48	52	56
	ENGLISH METRIC							
General								
Overall Dimensions (L x W x H)	in mm	251.1 x 68.2 x 82.8 6,377 x 1,765 x 1,942						
Machine Weight	lbs kg	30,203 13,700						
Nominal Input Power Source	Ph/Volt	3 Phase, 220V +/-10%, 60 Hz +/- 1 Hz						
Breaker Size Machine Only	Amp	125						
Breaker Size with Aux Outlets	Amp	225						
Machine	kva	82.5						
External Outlet	kva	35						
Max Total Capacity	kva	117.5						
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	21.29 604
Theoretical Displacement	in ³ cm ³	7.4 121	9.3 153	11.5 188	16.3 268	19.4 318	27 442	39.1 640
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	20,305 1,400
Maximum Pack 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	20,305 1,400
Maximum Injection Velocity	in/sec cm/sec	12.99 33	12.99 33	12.99 33	12.99 33	12.99 33	12.99 33	12.99 33
Maximum Injection Rate	in ³ /sec cm ³ /sec	16.19 265	20.49 336	25.3 415	30.61 502	36.43 597	42.76 701	49.6 813
Screw Stroke	in mm	5.91 150	5.91 150	5.91 150	6.93 176	6.93 176	8.19 208	10.24 260
Screw Diameter	in mm	1.26 32	1.42 36	1.57 40	1.73 44	1.89 48	2.05 52	2.2 56
Screw L/D Ratio	L/D	20:1	20:1	20:1	20:1	20:1	20:1	20:1
Screw Speed Max	min ⁻¹	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
Number of Pyrometers (Barrel/Nozzle)	qty	3/1	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	20.2

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Screw Diameter		32	36	40	44	48	52	56
	ENGLISH METRIC							
Clamp		Standard			Optional			
Clamping Force	ton kN	275 2,500			330 3,000			
Mold Opening Stroke	in mm	23.62 600						
Clamp Speed	in/sec mm/sec	15.75 400						
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	16.5 x 15.2 420 x 385						
Maximum Mold Weight	lbs kg	6,613 3,000						
Platen Size (H x V)	in mm	40.6 x 37.8 1,030 x 960						
Distance Between Tie Rods (H x V)	in mm	28 x 25 710 635						
Tie Rod Diameter	in mm	5.12 130						
Euromap 6 Dry Cycle Time*	sec	2.68						
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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