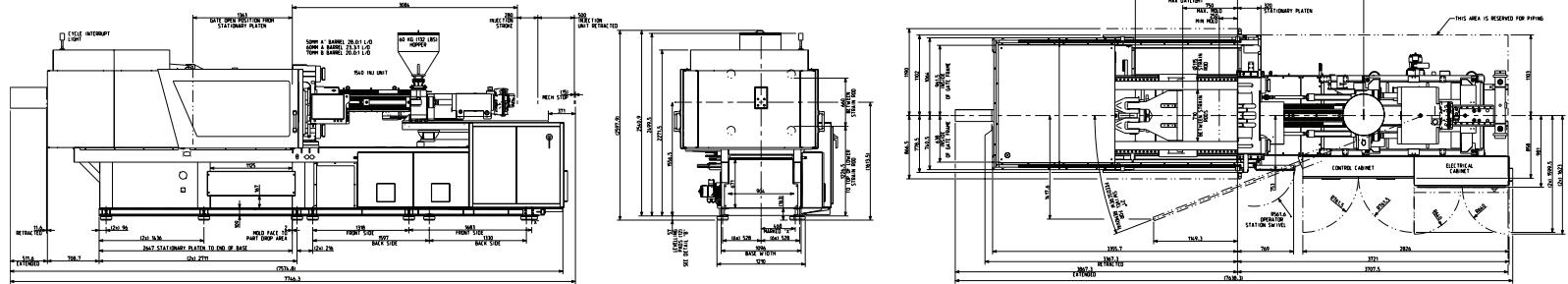




Q-SERIES



Tonnage: 315

**Frame Sizes:
1540, 2290**

TECHNICAL SPECIFICATIONS

	ENGLISH METRIC	1540 Frame			2290 Frame		
		A	B	C	A	B	C
General							
Electrical Motor	hp kW		34 25.1			34 25.1	
Total Oil Capacity	gal L		140 530			140 530	
Water Supply (29°C Inlet Temp)	gal/min L/min		19.8 75			19.8 75	
Connected Load	kW		50			64.7	
Overall Dimensions (L x W x H)	ft m		25.4 x 7.2 x 8.4 7.75 x 2.2 x 2.57			26.9 x 7.2 x 8.4 8.2 x 2.2 x 2.57	
Machine Weight	lbs kg		27,558 12,500			32,187 14,600	
Injection Unit Specifications							
Injection Capacity, Maximum GPPS	oz gms	18.4 523	26.6 753	36.2 1,025	30.4 861	41.3 1,172	54.0 1,530
Theoretical Displacement	in ³ cm ³	33.6 550	48.3 792	65.8 1,078	55.2 905	75.2 1,232	98.1 1,608
Maximum Injection Pressure	psi bar	32,400 2,236	28,100 1,941	20,600 1,426	32,400 2,238	26,900 1,856	20,600 1,421
Injection Rate	in ³ /sec cm ³ /sec	15 246	21.4 351	29.2 478	16.5 270	22.4 367	29.3 480
Injection Velocity	in/sec mm/sec		4.8 124			3.7 96	
Screw Stroke	in mm		11 280			12.6 320	
Back Pressure Limits	psi bar		500 34.5			500 34.5	
Screw Diameter	in mm	1.97 50	2.36 60	2.76 70	2.36 60	2.76 70	3.15 80
Screw L/D Ratio	L/D	28	23.3	20	26.7	22.9	20
Screw Speed	rpm	295	295	273		187	
Screw Torque @172 bar	in-lb Nm		19,300 2,126			30,400 3,347	
Plasticizing Rate (GPPS)	oz/sec gm/sec	1.6 44	2.4 68	3.5 100	1.5 43	2.4 69	3.3 93
Number of Pyrometers (Barrel/Nozzle)	qty		4/1			4/1	
Total Heat Capacity	kW		24.9			39.6	

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		1540 Frame			2290 Frame		
	ENGLISH METRIC	A	B	C	A	B	C
Clamp							
Clamping Force	ton kN		314 2,800			314 2,800	
Opening Force	ton kN		31 280			31 280	
Clamp Stroke	in mm		25.6 650			25.6 650	
Clamp Close Velocity	in/sec cm/sec		35 90			30 75	
Clamp Open Velocity	in/sec cm/sec		31 80			28 70	
Eject Force (forward)	tons kN		7.3 65			7.3 65	
Eject Velocity (forward)	in/sec cm/sec		12 30			12 30	
Eject Velocity (retract)	in/sec cm/sec		12 30			12 30	
Ejector Stroke	in mm		7.9 200			7.9 200	
Mold Protect Pressure (max)	psi bar		985 68			985 68	
Maximum Daylight	in mm		55.1 1400			55.1 1400	
Minimum Mold Height	in mm		9.8 250			9.8 250	
Maximum Mold Height	in mm		29.5 750			29.5 750	
Maximum Mold Weight	lbs kg		8157 3700			8157 3700	
Platen Size (H x V)	in mm		38.97 x 37.0 990 x 940			38.97 x 37.0 990 x 940	
Distance Between Tie Rods	in mm		27.9 x 25.98 710 x 660			27.9 x 25.98 710 x 660	
Tie Rod Diameter	in mm		4.5 115			4.5 115	
Dry Cycle Time (Euromap 6)	sec-mm		2.13 - 497			2.13 - 497	

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) These values are for standard machine horsepower and voltage (460v/3ph/60Hz) with no additional options.



Q-SERIES

Tonnage: 315

**Frame Sizes:
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TECHNICAL SPECIFICATIONS

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