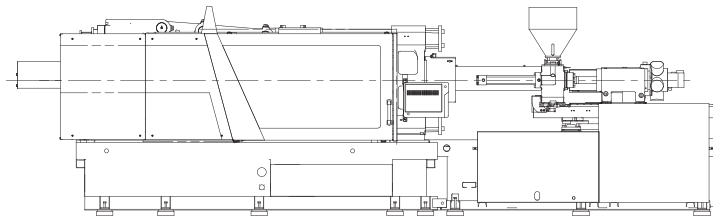




Q-SERIES



Tonnage: 500

**Frame Sizes:
2290, 3470**

TECHNICAL SPECIFICATIONS

		2290 Frame			3470 Frame		
	ENGLISH METRIC	A	B	C	A	B	C
General							
Electrical Motor	hp kW	49 36.6			49 36.6		
Total Oil Capacity	gal L	212 800			212 800		
Water Supply (29°C Inlet Temp)	gal/min L/min	26.5 100			26.5 100		
Connected Load	kW	76.2			94.5		
Overall Dimensions (L x W x H)	ft m	30.5 x 7.87 x 8.2 9.3 x 2.4 x 2.5			31.5 x 7.87 x 8.2 9.6 x 2.4 x 2.5		
Machine Weight	lbs kg	48,501 22,000			51,808 23,500		
Injection Unit Specifications							
Injection Capacity, Maximum GPPS	oz gms	30.4 861	41.3 1,172	54 1,530	46.5 1,318	60.7 1,722	76.9 2,179
Theoretical Displacement	in ³ cm ³	55.2 905	75.2 1,232	98.1 1,608	84.5 1,385	110.4 1,810	139.7 2,290
Maximum Injection Pressure	psi bar	32,400 2,238	26,900 1,856	20,604 1,421	33,100 2,289	27,700 1,917	21,900 1,515
Injection Rate	in ³ /sec cm ³ /sec	22.4 367	30.5 500	39.8 653	22.6 371	29.5 484	37.4 613
Injection Velocity	in/sec mm/sec	5.1 130			3.8 97		
Screw Stroke	in mm	12.6 320			14.2 360		
Back Pressure Limits	psi bar	500 34.5			500 34.5		
Screw Diameter	in mm	2.36 60	2.76 70	3.15 80	2.76 70	3.15 80	3.54 90
Screw L/D Ratio	L/D	26.7	22.9	20	25.7	22.5	20
Screw Speed	rpm	255			199		
Screw Torque @172 bar	in-lb Nm	30,400 3,347			39,000 4,291		
Plasticizing Rate (GPPS)	oz/sec gm/sec	2.1 59	3.3 93	4.4 126	2.6 73	3.5 99	4.4 125
Number of Pyrometers (Barrel/Nozzle)	qty	4/1			4/1		
Total Heat Capacity	kW	39.6			57.9		

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		2290 Frame			3470 Frame		
	ENGLISH METRIC	A	B	C	A	B	C
Clamp							
Clamping Force	ton kN		505 4,500			505 4,500	
Opening Force	ton kN		50 450			50 450	
Clamp Stroke	in mm		33.5 850			33.5 850	
Clamp Close Velocity	in/sec cm/sec						
Clamp Open Velocity	in/sec cm/sec						
Eject Force (forward)	tons kN		13.5 120			13.5 120	
Eject Velocity (forward)	in/sec cm/sec						
Eject Velocity (retract)	in/sec cm/sec						
Ejector Stroke	in mm		9.8 250			9.8 250	
Mold Protect Pressure (max)	psi bar		985 68			985 68	
Maximum Daylight	in mm		65.7 1670			65.7 1670	
Minimum Mold Height	in mm		13.8 350			13.8 350	
Maximum Mold Height	in mm		32.3 820			32.3 820	
Maximum Mold Weight	lbs kg		13227 6000			13227 6000	
Platen Size (H x V)	in mm		49.0 x 47.2 1245 x 1200			49.0 x 47.2 1245 x 1200	
Distance Between Tie Rods	in mm		34.4 x 32.67 875 x 830			34.4 x 32.67 875 x 830	
Tie Rod Diameter	in mm		5.7 145			5.7 145	
Dry Cycle Time (Euromap 6)	sec-mm		TBD - 612			TBD - 612	

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: 500

**Frame Sizes:
2290, 3470**

TECHNICAL SPECIFICATIONS

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