

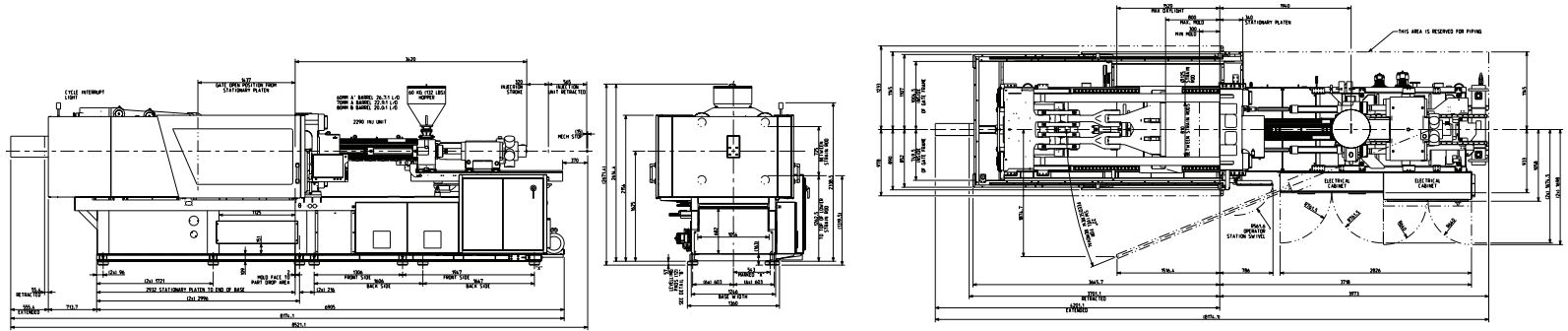


# Q-SERIES

**Tonnage: 400**

**Frame Sizes:  
2290, 3470**

## TECHNICAL SPECIFICATIONS



	ENGLISH METRIC	2290 Frame			3470 Frame		
		A	B	C	A	B	C
<b>General</b>							
Electrical Motor	hp kW		34 25.1			34 25.1	
Total Oil Capacity	gal L		172 650			172 650	
Water Supply (29°C Inlet Temp)	gal/min L/min		26.5 100			26.5 100	
Connected Load	kW		64.7			83	
Overall Dimensions (L x W x H)	ft m		27.8 x 7.55 x 8.53 8.5 x 2.3 x 2.6			30.1 x 7.5 x 8.69 9.2 x 2.3 x 2.65	
Machine Weight	lbs kg		37,037 16,800			40,322 18,290	
<b>Injection Unit Specifications</b>							
Injection Capacity, Maximum GPPS	oz gms	30.4 861	41.3 1,172	54.0 1,530	46.5 1,318	60.7 1,722	76.9 2,179
Theoretical Displacement	in <sup>3</sup> cm <sup>3</sup>	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	20,600 1,421	33,100 2,289	27,700 1,917	21,900 1,515
Injection Rate	in <sup>3</sup> /sec cm <sup>3</sup> /sec	16.5 270	22.4 367	29.3 480	16.6 272	21.7 356	27.5 450
Injection Velocity	in/sec mm/sec		3.7 96			2.7 71	
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		187			142	
Screw Torque @172 bar	in-lb Nm		30,400 3,347			40,200 4,424	
Plasticizing Rate (GPPS)	oz/sec gm/sec	1.5 43	2.4 69	3.3 93	1.8 52	2.5 70	3.3 94
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
<b>Clamp</b>							
Clamping Force	ton kN		393 3,500			393 3,500	
Opening Force	ton kN		39 350			39 350	
Clamp Stroke	in mm		28.3 720			28.3 720	
Clamp Close Velocity	in/sec cm/sec		35 90		SUBJECT TO CHANGE		
Clamp Open Velocity	in/sec cm/sec		33 85		SUBJECT TO CHANGE		
Eject Force (forward)	tons kN		8.4 75			8.4 75	
Eject Velocity (forward)	in/sec cm/sec		12 30			12 30	
Eject Velocity (retract)	in/sec cm/sec		12 30		SUBJECT TO CHANGE		
Ejector Stroke	in mm		9.8 250			9.8 250	
Mold Protect Pressure (max)	psi bar		985 68			985 68	
Maximum Daylight	in mm		59.8 1520			59.8 1520	
Minimum Mold Height	in mm		11.8 300			11.8 300	
Maximum Mold Height	in mm		31.5 800			31.5 800	
Maximum Mold Weight	lbs kg		11023 5000			11023 5000	
Platen Size (H x V)	in mm		44.0 x 40.7 1120 x 1035			44.0 x 40.7 1120 x 1035	
Distance Between Tie Rods	in mm		31.88 x 28.5 810 x 725			31.88 x 28.5 810 x 725	
Tie Rod Diameter	in mm		4.9 125			4.9 125	
Dry Cycle Time (Euromap 6)	sec-mm		2.38 - 567			2.38 - 567	

#### 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.



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