



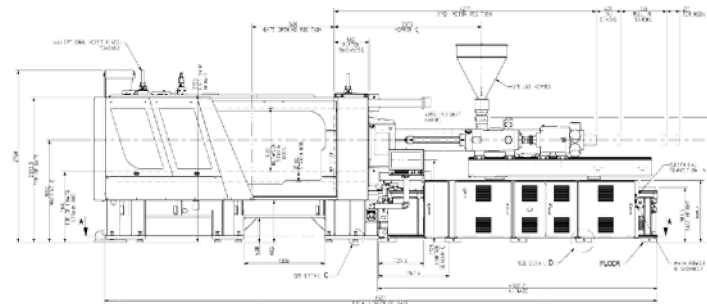
# MAXIMA

## PERFORMANCE SERIES

**Tonnage: 725**

**Frame Sizes: 3470, 4880**

## TECHNICAL SPECIFICATIONS



	ENGLISH METRIC	3470 Frame			4880 Frame		
		A	B	C	A'	A	B
<b>General</b>							
Electrical Motor	hp kW	40 (54 HP) / 80 (107 HP) 40 (19 kW) / 80 (43 kW)			40 (54 HP) / 80 (107 HP) 40 (19 kW) / 80 (43 kW)		
Total Oil Capacity	gal L	180 681			180 681		
Water Supply (29°C Inlet Temp)	gal/min L/min	25 95			25 95		
Connected Load	FLI	204			198		
Overall Dimensions (L x W x H)	in mm	350.4 x 107.6 x 109 9,067 x 2,733 x 2,768			350.4 x 107.6 x 109 9,067 x 2,733 x 2,768		
Machine Weight (without oil)	lbs kg	66,067 29,967			67,782 30,745		
<b>Injection Unit Specifications</b>							
Injection Capacity, Maximum GPPS	oz gms	46 1,304	60 1,701	76 2,155	67 1,899	85 2,410	105 2,977
Theoretical Displacement	in <sup>3</sup> cm <sup>3</sup>	84.5 1,385	110.4 1,809	139.7 2,290	122.6 2,010	155.2 2,544	191.7 3,141
Maximum Injection Pressure	psi bar	33,200 2,290	27,800 1,917	21,900 1,510	35,100 2,421	27,800 1,917	22,500 1,552
Injection Rate	in <sup>3</sup> /sec cm <sup>3</sup> /sec	31.3 512	40.8 669	51.7 847	32.3 529	40.9 670	50.4 827
Injection Velocity	in/sec mm/sec	5.15 130.7			4.07 103.30		
Screw Stroke	in mm	14.2 360			15.7 400		
Back Pressure Limits	psi bar	500			500		
Low Torque Screw Speed Maximum	rpm	289	253	225	253	225	202
Low Torque at Screw	in-lb Nm	22,745 2,570			31,524 3,562		
at bar	psi bar	2,450 169			2,450 169		
Plasticizing Rate (GPPS)	oz/sec gm/sec	3.2 90	4.0 115	4.7 134	4.0 115	4.7 134	5.8 164
High Torque Screw Speed Maximum	rpm	269	253	225	200	200	200
High Torque at Screw	in-lb Nm	34,450 3,892			47,267 5,340		
at bar	psi bar	2,450 169			2,450 169		
Plasticizing Rate (GPPS)	oz/sec gm/sec	2.9 83	4.0 115	4.7 134	3.2 90	4.2 118	5.7 161

**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.

		3470 Frame			4880 Frame		
	ENGLISH METRIC	A	B	C	A'	A	B
<b>Injection Unit Specifications (continued)</b>							
Screw Diameter	in mm	2.76 70	3.15 80	3.54 90	3.15 80	3.54 90	3.94 100
Screw L/D Ratio	L/D	26	22.8	20	25	22.2	20
Number of Pyrometers (Barrel/Nozzle)	qty	4/1			4/1		
Total Heat Capacity	kW	57.8			53.0		
<b>Clamp</b>							
Clamping Force	ton kN	731 6,500			731 6,500		
Opening Force	ton kN	29 260			29 260		
Clamp Stroke	in mm	57.1 1,450			57.1 1,450		
Clamp Close Velocity	in/sec mm/sec	31.26 793.92			31.26 793.92		
Clamp Open Velocity	in/sec mm/sec	32.53 326.32			32.53 326.32		
Eject Force (forward)	tons kN	13.5 120			13.5 120		
Eject Velocity (forward)	in/sec mm/sec	11.98 304.18			11.98 304.18		
Eject Velocity (retract)	in/sec mm/sec	17.45 443.15			17.45 443.15		
Ejector Stroke	in mm	9.84 250			9.84 250		
Mold Protect Pressure	psi	1,500			1,500		
Maximum Daylight	in mm	72.8 1,850			72.8 1,850		
Extended Daylight (Option)	in mm	82.6 2,100			82.6 2,100		
Minimum Mold Height	in mm	15.7 400			15.7 400		
Maximum Mold Height	in mm	37.8 960			37.8 960		
Maximum Mold Weight	lbs kg	26,370 11,960			26,370 11,960		
Platen Size (H x V)	in mm	59.8 x 53.1 1,520 x 1,350			59.8 x 53.1 1,520 x 1,350		
Distance Between Tie Rods	in mm	46.9 x 40.2 1,190 x 1,020			46.9 x 40.2 1,190 x 1,020		
Tie Rod Diameter	in mm	6.5 165			6.5 165		
Eject and CP	g/min l/min	40 / 21 151 / 79			40 / 21 151 / 79		
Dry Cycle Time (Euromap 6)	sec	4.19 w/o eject-on-the-fly			4.19 w/o eject-on-the-fly		
Diagonal Tiebar Distance	in mm	64 1,635			64 1,635		
Rotary Turn Table Recommended		Varian 1350 mm			Varian 1350 mm		



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## TECHNICAL SPECIFICATIONS

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