



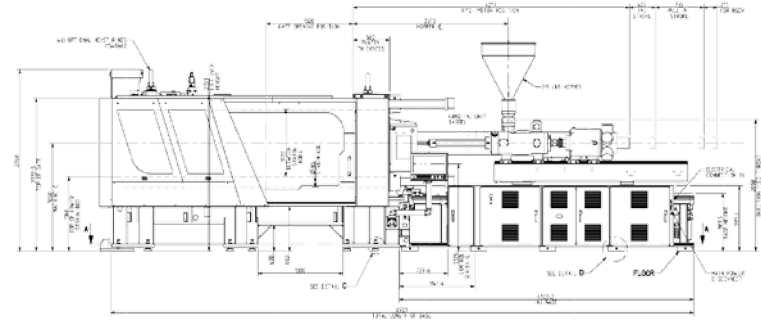
MAXIMA

PERFORMANCE SERIES

Tonnage: 725

Frame Sizes: 6610, 10100

TECHNICAL SPECIFICATIONS



	ENGLISH METRIC	6610 Frame			10100 Frame		
		A'	A	B	A'	A	B
General							
Electrical Motor	hp kW	40 (54 HP) / 80 (107 HP) 40 (19 kW) / 80 (43 kW)			80 (107 HP) / 80 (107 HP) 80 (107 kW) / 80 (43 kW)		
Total Oil Capacity	gal L	180 681			240 908		
Water Supply (29°C Inlet Temp)	gal/min L/min	25 95			25 95		
Connected Load	FLI	207			249		
Overall Dimensions (L x W x H)	in mm	350.4 x 107.6 x 109 9,672 x 2,733 x 2,768			384.1 x 107.6 x 109 9,921 x 2,733 x 2,768		
Machine Weight (without oil)	lbs kg	68,916 31,259			78,264 35,495		
Injection Unit Specifications							
Injection Capacity, Maximum GPPS	oz gms	93 2,637	116 3,288	140 3,969	148 4,185	179 5,064	231 6,539
Theoretical Displacement	in ³ cm ³	170.8 2,799	210.8 3,455	255.1 4,181	268.3 4,398	324.7 5,321	419.3 6,872
Maximum Injection Pressure	psi bar	34,200 2,359	27,700 1,910	22,900 1,579	33,200 2,290	27,400 1,890	21,200 1,462
Injection Rate	in ³ /sec cm ³ /sec	33.1 543	40.9 671	49.5 812	40.7 667	49.2 807	63.6 1042
Injection Velocity	in/sec mm/sec	3.3 83.89			3.28 83.19		
Screw Stroke	in mm	17.3 440			22.0 560		
Back Pressure Limits	psi bar	500			500		
Low Torque Screw Speed Maximum	rpm	225	202	184	170	170	162
Low Torque at Screw	in-lb Nm	46,767 5,284			74,087 8,371		
	psi bar	2,450 169			2,450 169		
Plasticizing Rate (GPPS)	oz/sec gm/sec	4.2 120	5.8 164	6.5 184	4.8 137	6.1 172	8.2 234
High Torque Screw Speed Maximum	rpm	135	135	135	110	110	110
High Torque at Screw	in-lb Nm	70,086 7,919			114,834 12,974		
	psi bar	2,450 169			2,450 169		
Plasticizing Rate (GPPS)	oz/sec gm/sec	2.8 80	3.8 109	4.8 137	3.1 88	4.8 137	5.6 158

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.

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		6610 Frame			10100 Frame		
	ENGLISH METRIC	A'	A	B	A'	A	B
Injection Unit Specifications (continued)							
Screw Diameter	in mm	3.54 90	3.94 100	4.33 110	3.94 100	4.33 110	4.92 125
Screw L/D Ratio	L/D	24.4	22	20	23.9	21.7	19
Number of Pyrometers (Barrel/Nozzle)	qty	4/1			4/1		
Total Heat Capacity	kW	60.3			61.3		
Clamp							
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	32.53 826.32			32.53 826.32		
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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