



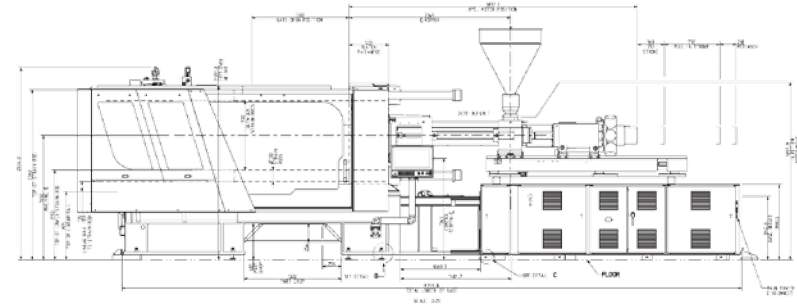
MAXIMA

PERFORMANCE SERIES

Tonnage: 600

Frame Sizes:
4880, 6610

TECHNICAL SPECIFICATIONS



		4880 Frame			6610 Frame		
	ENGLISH METRIC	A'	A	B	A'	A	B
General							
Electrical Motors	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	198			207		
Overall Dimensions (L x W x H)	in mm	324.6 x 92.9 x 100.6 9,056.7 x 2,360.3 x 2,555.3			324.6 x 92.9 x 100.6 9,422 x 2,360.3 x 2,558.3		
Machine Weight (without oil)	lbs kg	53,100 24,100			54,200 24,600		
Injection Unit Specifications							
Injection Capacity, Maximum GPPS	oz gms	67 1,899	85 2,410	105 2,977	93 2,637	116 3,288	140 3,969
Theoretical Displacement	in ³ cm ³	122.6 2,010	155.2 2,544	191.7 3,141	170.8 2,799	210.8 3,455	255.1 4,181
Maximum Injection Pressure	psi bar	35,100 2,421	27,800 1,917	22,500 1,552	34,200 2,359	27,700 1,910	22,900 1,579
Injection Rate	in ³ /sec cm ³ /sec	32.3 529	40.9 670	50.4 827	33.1 543	40.9 671	49.5 812
Injection Velocity	in/sec mm/sec	4.07 103.30			3.30 83.84		
Screw Stroke	in mm	15.7 400			17.3 440		
Back Pressure Limits	psi bar	500			500		
Low Torque Screw Speed Maximum	rpm	253	225	202	202	202	184
Low Torque at Screw	in-lb Nm	31,524 2,562			46,767 5,284		
at bar	psi bar	2,450 169			2,450 169		
Plasticizing Rate (GPPS)	oz/sec gm/sec	4.0 115	4.7 134	5.8 164	4.2 120	5.8 164	6.6 188
High Torque Screw Speed Maximum	rpm	200	200	200	135	135	135
High Torque at Screw	in-lb Nm	47,267 5,340			69,614 7,865		
at bar	psi bar	2,450 169			2,450 169		
Plasticizing Rate (GPPS)	oz/sec gm/sec	3.2 90	4.2 118	5.7 161	2.8 80	3.8 109	4.8 137

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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		4880 Frame			6610 Frame		
	ENGLISH METRIC	A'	A	B	A'	A	B
Injection Unit Specifications (continued)							
Screw Diameter	in mm	3.15 80	3.54 90	3.94 100	3.54 90	3.94 100	4.33 110
Screw L/D Ratio	L/D	25	22.2	20	24.4	22	20
Number of Pyrometers (Barrel/Nozzle)	qty	4/1			4/1		
Total Heat Capacity	kW	53.0			60.3		
Clamp							
Clamping Force	ton kN	618 5,500			618 5,500		
Opening Force	ton kN	24.7 220			24.7 220		
Clamp Stroke	in mm	55.1 1,400			55.1 1,400		
Clamp Close Velocity	in/sec mm/sec	48.8 1,240.5			48.8 1,240.5		
Clamp Open Velocity	in/sec mm/sec	50.8 1,291.15			50.8 1,291.15		
Eject Force (forward)	tons kN	13.5 120			13.5 120		
Eject Velocity (forward)	in/sec mm/sec	7.76 197.16			7.76 197.16		
Eject Velocity (retract)	in/sec mm/sec	11.3 287.24			11.3 287.24		
Ejector Stroke	in mm	9.84 250			9.84 250		
Mold Protect Pressure	psi	1,500			1,500		
Maximum Daylight	in mm	68.9 1,750			68.9 1,750		
Extended Daylight (Option)	in mm	78.7 2,000			78.7 2,000		
Minimum Mold Height	in mm	13.8 350			13.8 350		
Maximum Mold Height	in mm	35.8 910			35.8 910		
Maximum Mold Weight	lbs kg	20,290 9,200			20,290 9,200		
Platen Size (H x V)	in mm	53.9 x 49.2 1,370 x 1,250			53.9 x 49.2 1,370 x 1,250		
Distance Between Tie Rods	in mm	40.9 x 36.2 1,040 x 920			40.9 x 36.2 1,040 x 920		
Tie Rod Diameter	in mm	5.91 150			5.91 150		
Eject and CP	g/min l/min	26/21 98.42/79			26/21 98.42/79		
Dry Cycle Time (Euromap 6)	sec	3.25 w/o eject-on-the-fly			3.25 w/o eject-on-the-fly		
Diagonal Tiebar Distance	in mm	57 1,450			57 1,450		
Rotary Turn Table Recommended		Varian 1000 mm			Varian 1000 mm		



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