



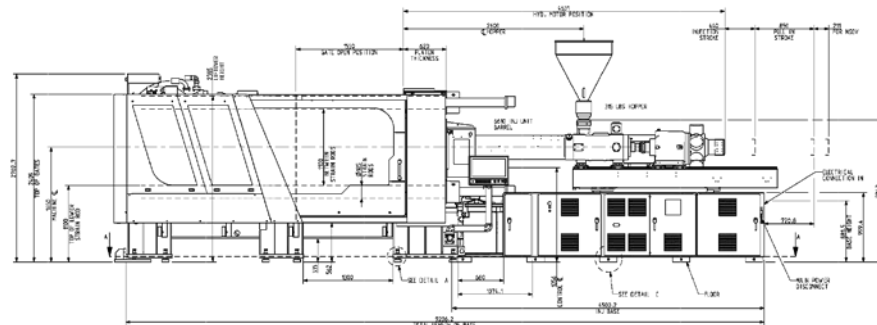
MAXIMA

PERFORMANCE SERIES

Tonnage: 950

Frame Sizes:
4880, 6610

TECHNICAL SPECIFICATIONS



		4880 Frame			6610 Frame		
	ENGLISH METRIC	A'	A	B	A'	A	B
General							
Electrical Motor	hp kW	40 (54 HP) / 80 (107 HP) / 26 (21 HP) 40 (19 kW) / 80 (43 kW) / 26 (16 kW)			40 (54 HP) / 80 (107 HP) / 26 (21 HP) 40 (19 kW) / 80 (43 kW) / 26 (16 kW)		
Total Oil Capacity	gal L	240 908.5			240 908.5		
Water Supply (29°C Inlet Temp)	gal/min L/min	25 95			25 95		
Connected Load	FLI	236			245		
Overall Dimensions (L x W x H)	in mm	376.3 x 123.4 x 107.5 9,557.6 x 3,133 x 2,731.6			376.6 x 123.4 x 107.5 9,566.6 x 3,133 x 2,731.6		
Machine Weight (without oil)	lbs kg	87,903 39,872			89,217 40,468		
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	39.3 644	49.7 815	61.4 1006	40.3 661	49.8 817	60.3 988
Injection Velocity	in/sec mm/sec	4.94 125.52			4.01 101.88		
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	215	202	184
Low Torque at Screw	in-lb Nm	31,524 3,562			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	4.5 127	5.8 164	6.6 188
High Torque Screw Speed Maximum	rpm	253	225	202	215	164	164
High Torque at Screw	in-lb Nm	47,267 5,340			70,086 7,919		
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	4.5 127	4.7 132	5.9 166

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	20	24	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	955 8,500			955 8,500		
Opening Force	ton kN	38 340			38 340		
Clamp Stroke	in mm	63 1,600			63 1,600		
Clamp Close Velocity	in/sec mm/sec	43.00 1,092.14			43.00 1,092.14		
Clamp Open Velocity	in/sec mm/sec	44.75 1,136.71			44.75 1,136.71		
Eject Force (forward)	tons kN	20.2 180			20.2 180		
Eject Velocity (forward)	in/sec mm/sec	7.66 194.68			7.66 194.68		
Eject Velocity (retract)	in/sec mm/sec	11.17 283.62			11.17 283.62		
Ejector Stroke	in mm	9.84 250			9.84 250		
Mold Protect Pressure	psi	1,500			1,500		
Maximum Daylight	in mm	82.7 2,100			82.7 2,100		
Extended Daylight (Option)	in mm	94.4 2,400			94.4 2,400		
Minimum Mold Height	in mm	19.7 500			19.7 500		
Maximum Mold Height	in mm	43.3 1,100			43.3 1,100		
Maximum Mold Weight	lbs kg	36,290 16,460			36,290 16,460		
Platen Size (H x V)	in mm	72.8 x 61.4 1,850 x 1,560			72.8 x 61.4 1,850 x 1,560		
Distance Between Tie Rods	in mm	54.7 x 43.3 1,390 x 1,100			54.7 x 43.3 1,390 x 1,100		
Tie Rod Diameter	in mm	7.28 185			7.28 185		
Eject and CP	g/min l/min	40 / 21 151 / 79			40 / 21 151 / 79		
Dry Cycle Time (Euromap 6)	sec	4.15 w/o eject-on-the-fly			4.15 w/o eject-on-the-fly		
Diagonal Tiebar Distance	in mm	73 1,848			73 1,848		
Rotary Turn Table Recommended		Varian 1600 mm			Varian 1600 mm		



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