



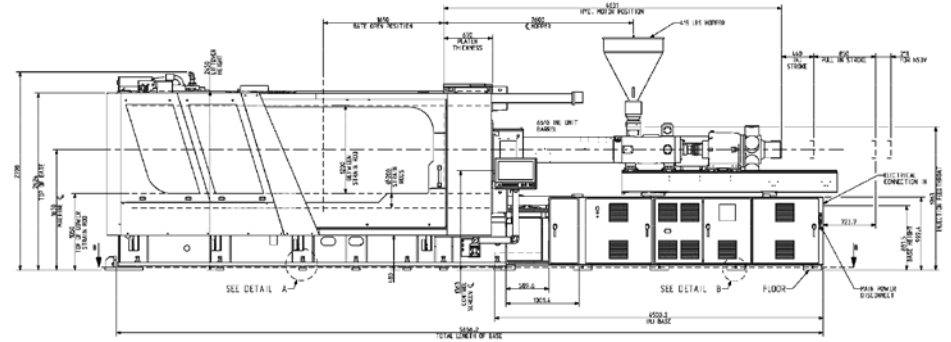
MAXIMA

PERFORMANCE SERIES

Tonnage: 1100

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) / 40 (54 HP) 40 (19 kW) / 80 (43 kW) / 40 (19 kW)			40 (54 HP) / 80 (107 HP) / 40 (54 HP) 40 (19 kW) / 80 (43 kW) / 40 (19 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	238			247		
Overall Dimensions (L x W x H)	in mm	390.2 x 129.7 x 105 9,911.9 x 3,295 x 2,668.6			395.1 x 129.7 x 105 10,035 x 3,295 x 2,668.6		
Machine Weight (without oil)	lbs kg	111,399 50,514			112,495 51,027		
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	43.0 706	54.5 893	67.3 1103	44.2 725	54.6 895	66.1 1,083
Injection Velocity	in/sec mm/sec	5.42 137.60			4.39 111.60		
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	143			210		
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.
 2) ** Limit of 1/2 the max mold weight per platen

©2017 Milacron LLC. All Rights Reserved.
 Pub Number: T4.1060.A.11.17

4165 Half Acre Rd.,
 Batavia OH 45103
 513.536.2000
 info@milacron.com
 www.milacron.com

		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	1,124 10,000			1,124 10,000		
Opening Force	ton kN	45 400			45 400		
Clamp Stroke	in mm	74.8 1,900			74.8 1,900		
Clamp Close Velocity	in/sec mm/sec	47.13 1,197.06			47.13 1,197.06		
Clamp Open Velocity	in/sec mm/sec	49.05 1,245.92			49.05 1,245.92		
Eject Force (forward)	tons kN	21.4 190			21.4 190		
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	11.81 300			11.81 300		
Mold Protect Pressure	psi bar	1,500			1,500		
Maximum Daylight	in mm	94.49 2,400			94.49 2,400		
Extended Daylight (Option)	in mm	106.3 2,700			106.3 2,700		
Minimum Mold Height	in mm	19.7 500			19.7 500		
Maximum Mold Height	in mm	47.2 1,200			47.2 1,200		
Maximum Mold Weight	lbs kg	52,760** 23,930			52,760** 23,930		
Platen Size (H x V)	in mm	79.1 x 65.4 2,010 x 1,660			79.1 x 65.4 2,010 x 1,660		
Distance Between Tie Rods	in mm	61.0 x 47.2 1,550 x 1,220			61.0 x 47.2 1,550 x 1,220		
Tie Rod Diameter	in mm	7.87 200			7.87 200		
Eject and CP	g/min l/min	40 / 21 151 / 79			40 / 21 151 / 79		
Dry Cycle Time (Euromap 6)	sec	4.52 w/o eject-on-the-fly			4.52 w/o eject-on-the-fly		
Diagonal Tiebar Distance	in mm	80 2,041			80 2,041		
Rotary Turn Table Recommended		Varian 1800 mm			Varian 1800 mm		



MAXIMA

PERFORMANCE SERIES

Tonnage: 1100

**Frame Sizes:
4880, 6610**

TECHNICAL SPECIFICATIONS

©2017 Milacron LLC. All Rights Reserved.
Pub Number: T4.1060.A.11.17

4165 Half Acre Rd.,
Batavia OH 45103
513.536.2000
info@milacron.com
www.milacron.com