

THE MAXIMA P
SERIES

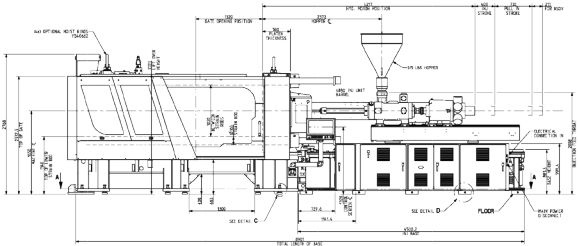
TONNAGE:
1100 US/
1000 Metric

Frame Sizes:
10100, 16000
TECHNICAL
SPECIFICATIONS

		10100 Frame			16000 Frame	
	ENGLISH METRIC	A'	A	B	A	B
Injection Unit Specifications						
Injection Capacity, Maximum GPPS	oz gms	148 4,185	179 5,064	231 6,539	288 8,174	362 10,253
Screw Diameter	in mm	3.94 100	4.33 110	4.92 125	4.92 125	5.51 140
Screw L/D Ratio	L/D	23.9	21.7	19	21.3	19
Theoretical Displacement	in³ cm³	268.3 4,398	324.7 5,321	419.3 6,872	524.2 8,590	657.5 10,775
Maximum Injection Pressure	psi bar	31,937 2,202	27,400 1,890	21,200 1,462	27,400 1,890	21,900 1,510
Injection Rate	in³/sec cm³/sec	39 653	48 790	62 1,020	60 989	75 1,241
Injection Velocity	in/sec mm/sec	3.28 83.19			3.17 80.60	
Screw Stroke	in mm	22.0 560			27.6 700	
Back Pressure Limits	psi bar	500			500	
Low Torque Screw Speed Maximum	rpm	167	167	162	103	103
Low Torque at Screw	in-lb Nm	74,018 8,363			158,543 17,913	
at bar	psi bar	2,450 169			2,450 169	
Low Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	5.47 155	5.51 156	7.62 216	4.84 137	6.5 184
High Torque Screw Speed Maximum	rpm	108	108	108	*	
High Torque @ Screw	in-lb Nm	113,962 12,876			*	
at bar	psi bar	2,450 169			*	
High Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	3.54 100	3.56 101	5.08 144	*	*
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	
Clamp Opening force (max)	ton kN	45 400			45 400	
Clamp Stroke	in mm	74.8 1,900			74.8 1,900	
Clamp Speed Close velocity	in/sec mm/sec	35.43 900			35.43 900	
Clamp Speed open velocity	in/sec mm/sec	36.81 935			36.81 935	
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	



Not actual model, for visual reference only.



		10100 Frame			16000 Frame	
	ENGLISH METRIC	A'	A	B	A	B
Clamp						
Eject Velocity (retract)	in/sec mm/sec	11.17 283.62			11.17 283.62	
Maximum 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 (move/stat/total) *	lbs kg	26,378 / 26378 / 39,570 11,965 / 11,965 / 17,950			26,378 / 26,378 / 39,570 11,965 / 11,965 / 17,950	
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 (H x V)	in mm	61.0 x 47.2 1,550 x 1,200			61.0 x 47.2 1,550 x 1,200	
Tie Rods Diameter	in mm	7.87 200			7.87 200	
Dry Cycle Time (Euromap 6)	sec	4.52			4.52	
Diagonal Tiebar Distance	in mm	80 2,041			80 2,041	
Rotary Turn Table Recommended		Varian 1800 mm			Varian 1800 mm	
General						
Overall Dimensions (L x W x H)	in mm	427.1 x 129.7 x 105 10,848.2 x 3,295 x 2,668.6			444.8 x 129.7 x 105 11,298.2 x 3,295 x 2,668.6	
Machine Weight (without oil)	lbs kg	121,841 55,266			129,403 58,695	
Eject and CP	g/min l/min	40 / 21 151 / 79			40 / 21 151 / 79	
Electrical Motor	hp kW	50 (58 HP) / 50 (58 HP) / 50 (58 HP) 50 (43 kW) / 50 (43 kW) / 50 (43 kW)			40 (54 HP) / 80 (107 HP) / 80 (107 HP) 40 (19 kW) / 80 (43 kW) / 80 (43 kW)	
Connected Load	FLI	333			289	
Total Oil Capacity	gal L	240 908.5			300 1,136	
Water Supply (90 deg. F.)	gal/min L/min	25 95			25 95	

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) * Signifies maximum mold weight per platen and total max mold weight.
- 3) ** 16000 injection unit - standard single displacement extruder motor.