

THE MAXIMA P
SERIES

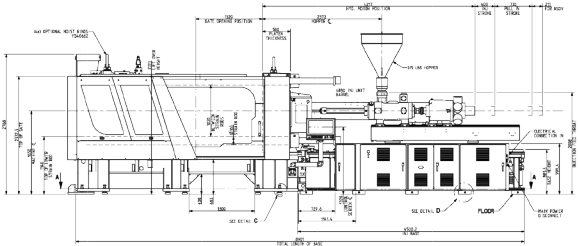
TONNAGE:
500 US/450 Metric

Frame Sizes:
2290, 3470, 4880
TECHNICAL
SPECIFICATIONS

		2290 Frame			3470 Frame			4880 Frame		
	ENGLISH METRIC	A	B	C	A	B	C	A'	A	B
Injection Unit Specifications										
Injection Capacity, Maximum GPPS	oz gms	30 850	41 1,162	54 1,530	46 1,304	60 1,701	76 2,155	67 1,899	85 2,410	105 2,977
Screw Diameter	in mm	2.36 60	2.76 70	3.15 80	2.76 70	3.15 80	3.54 90	3.15 80	3.54 90	3.94 100
Screw L/D Ratio	L/D	26.9	22.9	20	26	22.8	20	25	22.2	20
Theoretical Displacement	in³ cm³	55.2 904	75.1 1,231	98.1 1,608	84.5 1,385	110.4 1,809	139.7 2,290	122.6 2,010	155.2 2,544	191.7 3,141
Maximum Injection Pressure	psi bar	32,474 2,239	26,933 1,857	20,624 1,422	33,228 2,291	27,818 1,918	21,988 1,516	35,200 2,427	27,800 1,917	22,500 1,552
Injection Rate	in³/sec cm³/sec	27.4 449	37.3 611	48.7 798	27.6 453	36.7 591	45.7 749	32.3 529	40.9 670	50.4 827
Injection Velocity	in/sec mm/sec	6.13 155.70			4.54 115.4			4.07 103.3		
Screw Stroke	in mm	12.6 320			14.2 360			15.7 400		
Back Pressure Limits	psi bar	500			500			500		
Low Torque Screw Speed Max	rpm	337	289	253	289	253	225	253	225	202
Low Torque at Screw	in-lb Nm	20,604 2,328			22,595 2,553			31,544 3,564		
at bar	bar PSI	2,450 169			2,450 169			2,450 169		
Low Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	3.59 102	3.15 89	3.87 110	3.94 112	3.87 110	4.55 129	4.84 137	4.55 129	5.29 150
High Torque Screw Speed Max	rpm	289	289	253	253	250	225	207	207	202
High Torque at Screw	in-lb Nm	30,977 3,500			34,385 3,885			47,324 5,347		
at bar	bar PSI	2,450 169			2,450 169			2,450 169		
High Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	3.08 87	3.15 89	3.87 110	3.45 98	3.82 108	4.55 129	3.96 112	4.04 114	5.29 150
Number of Pyrometers (Barrel/ Nozzle)	qty	4/1			4/1			4/1		
Total Heat Capacity	kW	39.5			57.8			53.0		
Clamp										
Clamping Force	ton kN	505 4,500			505 4,500			505 4,500		
Clamp Opening force (max)	ton kN	20.2 180			20.2 180			20.2 180		
Clamp Stroke	in mm	51.18 1,300			51.18 1,300			51.18 1,300		
Clamp Speed Close Velocity	in/sec mm/sec	38.38 975			38.38 975			38.38 975		
Clamp Speed open velocity	in/sec mm/sec	36.81 935			36.81 935			36.81 935		
Eject Force (forward)	tons kN	13.50 120			13.50 120			13.50 120		
Eject Velocity (forward)	in/sec mm/sec	7.76 197.16			7.76 197.16			7.76 197.16		



Not actual model, for visual reference only.



		2290 Frame			3470 Frame			4880 Frame		
	ENGLISH METRIC	A	B	C	A	B	C	A'	A	B
Clamp										
Eject Velocity (retract)	in/sec mm/sec	8.26 210			8.26 210			8.26 210		
Maximum Ejector stroke	in mm	7.87 200			7.87 200			7.87 200		
Mold Protect Pressure	psi	1,500			1,500			1,500		
Maximum Daylight	in mm	64.96 1,650			64.96 1,650			64.96 1,650		
Extended Daylight (Option)	in mm	72.83 1,850			72.83 1,850			72.83 1,850		
Minimum Mold Height	in mm	13.78 350			13.78 350			13.78 350		
Maximum Mold Height	in mm	33.46 850			33.46 850			33.46 850		
Maximum mold weight (move/stat/ total) *	lbs kg	10,450 / 10,450 / 15,670 4,740 / 4,740 / 7,110			10,450 / 10,450 / 15,670 4,740 / 4,740 / 7,110			10,450 / 10,450 / 15,670 4,740 / 4,740 / 7,110		
Platen Size (H × V)	in mm	49.21 x 45.67 1,250 x 1,160			49.21 x 45.67 1,250 x 1,160			49.21 x 45.67 1,250 x 1,160		
Distance between Tie Rods (H x V)	in mm	36.22 x 32.68 920 x 830			36.22 x 32.68 920 x 830			36.22 x 32.68 920 x 830		
Tie Rods Diameter	in mm	5.51 140			5.51 140			5.51 140		
Dry Cycle Time (Euromap 6)	sec	2.92			2.92			2.92		
Diagonal Tiebar Distance	in mm	51 1,297			51 1,297			51 1,297		
Rotary Turn Table Recommended		Varian 1000 mm			Varian 1000 mm			Varian 1000 mm		
General										
Overall Dimensions (L × W × H)	in mm	317.2 x 91.7 x 99 8,057 x 2,329 x 2,522			317.2 x 91.7 x 99 8,057 x 2,329 x 2,522			323.0 x 91.7 x 99 8,204 x 2,329 X 2,522		
Machine Weight (without oil)	lbs kg	45,027 20,430			47,030 21,340			52,910 24,000		
Eject and CP	g/min l/min	26/21 98/79			26/21 98/79			26/21 98/79		
Electrical Motors	hp kW	26 (21 hp) / 80 (107 hp) 26 (16 kW) / 80 (43 kW)			26 (21 hp) / 80 (107 hp) 26 (16 kW) / 80 (43 kW)			40 (54 hp) / 80 (107 hp) 40 (19 kW) / 80 (43 kW)		
Connected Load	FLI	179			202			198		
Total Oil Capacity	gal L	180 681			180 681			180 681		
Water Supply (90 deg. F.)	gal/min L/min	25 95			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 wieght per platen and total max mold weight.

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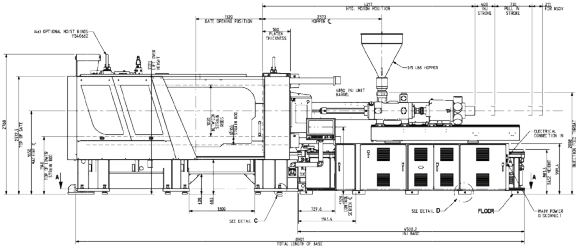
TONNAGE:
600 US/550 Metric

Frame Sizes:
2290, 3470
TECHNICAL
SPECIFICATIONS

		2290 Frame			3470 Frame		
	ENGLISH METRIC	A	B	C	A	B	C
Injection Unit Specifications							
Injection Capacity, Maximum GPPS	oz gms	30 850	41 1,162	54 1,530	46 1,304	60 1,701	76 2,155
Screw Diameter	in mm	2.36 60	2.76 70	3.15 80	2.76 70	3.15 80	3.54 90
Screw L/D Ratio	L/D	26.9	22.9	20	26	22.8	20
Theoretical Displacement	in³ cm³	55.2 904	75.1 1,231	98.1 1,608	84.5 1,385	110.4 1,809	139.7 2,290
Maximum Injection Pressure	psi bar	32,474 2,239	26,933 1,857	20,624 1,422	33,228 2,291	27,818 1,918	21,988 1,516
Injection Rate	in³/sec cm³/sec	26 440	36 599	47 782	27 444	35 580	44 734
Injection Velocity	in/sec mm/sec	6.13 155.7			4.54 115.4		
Screw Stroke	in mm	12.6 320			14.2 360		
Back Pressure Limits	psi bar	500			500		
Low Torque Screw Speed Maximum	rpm	337	289	253	289	253	225
Low Torque @ Screw	in-lb Nm	20,604 2,328			22,595 2,553		
at bar	psi bar	2,450 169			2,450 169		
Low Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	3.59 102	3.15 89	3.87 110	3.94 112	3.87 110	4.55 129
High Torque Screw Speed Maximum	rpm	289	289	253	250	250	225
High Torque @ Screw	in-lb Nm	30,977 3,500			34,385 3,885		
at bar	psi bar	2,450 169			2,450 169		
High Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	3.17 90	3.15 89	3.87 110	3.41 97	3.82 108	5.06 143
Number of Pyrometers (Barrel/Nozzle)	qty	4/1			4/1		
Total Heat Capacity	kW	39.5			57.8		
Clamp							
Clamping Force	ton kN	618 5,500			618 5,500		
Clamp Opening force (max)	ton kN	24.7 220			24.7 220		
Clamp Stroke	in mm	55.1 1,400			55.1 1,400		
Clamp Speed Close velocity	in/sec mm/sec	36.92 938			36.92 938		
Clamp Speed open velocity	in/sec mm/sec	38.42 976			38.42 976		
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		



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		2290 Frame			3470 Frame		
	ENGLISH METRIC	A	B	C	A	B	C
Clamp							
Eject Velocity (retract)	in/sec mm/sec	8.26 210			8.26 210		
Maximum 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 (move/stat/total) *	lbs kg	13,530 / 13,530 / 20,290 6,136 / 6,136 / 9,200			13,530 / 13,530 / 20,290 6,136 / 6,136 / 9,200		
Platen Size (H × 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 (H x V)	in mm	40.9 x 36.2 1,040 x 920			40.9 x 36.2 1,040 x 920		
Tie Rods Diameter	in mm	5.91 150			5.91 150		
Dry Cycle Time (Euromap 6)	sec	3.26			3.26		
Diagonal Tiebar Distance	in mm	57 1,450			57 1,450		
Rotary Turn Table Recommended		Varian 1000 mm			Varian 1000 mm		
General							
Overall Dimensions (L × W × H)	in mm	347.2 x 97 x 101.1 8819 x 2464 x 2567			347.2 x 97 x 101.1 8819 x 2464 x 2567		
Machine Weight (without oil)	lbs kg	52,862 23,978			54,864 24,886		
Eject and CP	g/min l/min	26/21 98/79			26/21 98/79		
Electrical Motors	hp kW	26 (21 HP) / 80 (107 HP) 26 (16 kW) / 80 (43 kW)			26 (21 HP) / 80 (107 HP) 26 (16kW) / 80 (43 kW)		
Connected Load	FLI	179			202		
Total Oil Capacity	gal L	180 681			180 681		
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.

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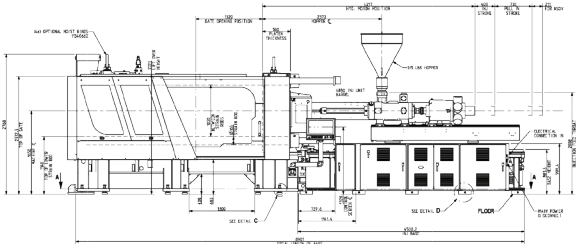
TONNAGE:
600 US/550 Metric

Frame Sizes:
4880, 6610
TECHNICAL
SPECIFICATIONS

		4880 Frame			6610 Frame		
	ENGLISH METRIC	A'	A	B	A'	A	B
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
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
Theoretical Displacement	in³ cm³	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	35,200 2,427	27,800 1,917	22,500 1,552	33,286 2,295	27,760 1,914	22,944 1,582
Injection Rate	in³/sec cm³/sec	31 519	40 657	49 811	32 533	40 658	48 796
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 @ Screw	in-lb Nm	31,544 3,564			48,316 5,459		
at bar	psi bar	2,450 169			2,450 169		
Low Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	4.84 137	4.55 129	5.29 150	5.11 145	5.29 150	6.07 172
High Torque Screw Speed Maximum	rpm	207	207	202	139	139	139
High Torque @ Screw	in-lb Nm	47,324 5,347			70,204 7,932		
at bar	psi bar	2,450 169			2,450 169		
High Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	3.96 112	4.19 118	5.29 150	3.51 100	3.64 103	4.59 130
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		
Clamp Opening force (max)	ton kN	24.7 220			24.7 220		
Clamp Stroke	in mm	55.1 1,400			55.1 1,400		
Clamp Speed Close Velocity	in/sec mm/sec	36.92 938			36.92 938		
Clamp Speed open velocity	in/sec mm/sec	38.42 976			38.42 976		
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		



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		2290 Frame			6610 Frame		
	ENGLISH METRIC	A'	A	B	A'	A	B
Clamp							
Eject Velocity (retract)	in/sec mm/sec	8.26 210			8.26 210		
Maximum 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 (move/stat/total) *	lbs kg	13,530 / 13,530 / 20,290 6,136 / 6,136 / 9,200			13,530 / 13,530 / 20,290 6,136 / 6,136 / 9,200		
Platen Size (H × 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 (H x V)	in mm	40.9 x 36.2 1,040 x 920			40.9 x 36.2 1,040 x 920		
Tie Rods Diameter	in mm	5.91 150			5.91 150		
Dry Cycle Time (Euromap 6)	sec	3.26			3.26		
Diagonal Tiebar Distance	in mm	57 1,450			57 1,450		
Rotary Turn Table Recommended		Varian 1000 mm			Varian 1000 mm		
General							
Overall Dimensions (L × W × H)	in mm	347.2 x 97 x 101.1 8,819 x 2,464 x 2,567			354.7 x 97 x 101.1 9,010 x 2,464 x 2,567		
Machine Weight (without oil)	lbs kg	60,870 27,610			62,565 28,379		
Eject and CP	g/min l/min	26/21 98/79			26/21 98/79		
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)		
Connected Load	FLI	198			207		
Total Oil Capacity	gal L	180 681			180 681		
Water Supply (90 deg. F.)	gal/min L/min	25 95			25 95		

Notes

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- 2) * Signifies maximum mold weight per platen and total max mold weight.

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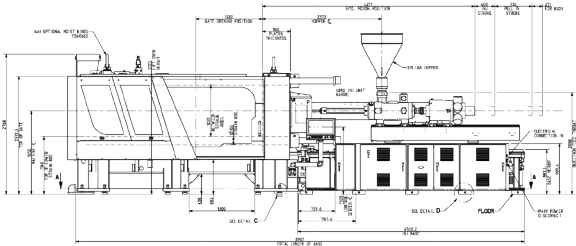
TONNAGE:
600WP US/
550 Metric

Frame Sizes:
3470, 4880
TECHNICAL
SPECIFICATIONS

		3470 Frame			4880 Frame		
	ENGLISH METRIC	A	B	C	A'	A	B
Injection Unit Specifications							
Injection Capacity, Maximum GPPS	oz gms	46 1,304	60 1,701	76 2,155	67 1,899	85 2,410	105 2,977
Screw Diameter	in mm	2.76 70	3.15 80	3.54 90	3.15 80	3.54 90	3.94 100
Screw L/D Ratio	L/D	26	22.8	20	25	22.2	20
Theoretical Displacement	in³ cm³	84.5 1,385	110.4 1,809	139.7 2,290	122.6 2,010	155.2 2,544	191.7 3,141
Maximum Injection Pressure	psi bar	33,228 2,291	27,818 1,918	21,988 1,516	35,200 2,427	27,800 1,917	22,500 1,552
Injection Rate	in³/sec cm³/sec	30 502	40 656	50 831	31 519	40 657	49 811
Injection Velocity	in/sec mm/sec	5.15 130.7			4.07 103.3		
Screw Stroke	in mm	14.2 360			15.7 400		
Back Pressure Limits	psi bar	500			500		
Low Torque Screw Speed Maximum	rpm	289	253	225	253	225	202
Low Torque @ Screw	in-lb Nm	22,595 2,553			31,544 3,564		
at bar	psi bar	2,450 169			2,450 169		
Low Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	3.94 112	3.87 110	4.55 129	4.84 137	4.55 129	5.29 150
High Torque Screw Speed Maximum	rpm	269	253	225	207	207	202
High Torque @ Screw	in-lb Nm	34,450 3,892			47,267 5,340		
at bar	psi bar	2,450 169			2,450 169		
High Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	3.67 104	3.87 110	4.55 129	3.96 112	4.19 119	5.29 150
Number of Pyrometers (Barrel/Nozzle)	qty	4/1			4/1		
Total Heat Capacity	kW	57.8			53.0		
Clamp							
Clamping Force	ton kN	618 5,500			618 5,500		
Clamp Opening force (max)	ton kN	24.7 220			24.7 220		
Clamp Stroke	in mm	57.1 1,450			57.1 1,450		
Clamp Speed Close velocity	in/sec mm/sec	36.9 938			36.9 938		
Clamp Speed open velocity	in/sec mm/sec	38.4 976			38.4 976		
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		



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		3470 Frame			4880 Frame		
	ENGLISH METRIC	A	B	C	A'	A	B
Clamp							
Eject Velocity (retract)	in/sec mm/sec	17.45 443.15			17.45 443.15		
Maximum 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 (move/stat/total) *	lbs kg	17,582 / 17,582 / 26,370 7,975 / 7,975 / 11,960			17,582 / 17,582 / 26,370 7,975 / 7,975 / 11,960		
Platen Size (H x V)	in mm	60 x 53.3 1525 x 1355			60 x 53.3 1525 x 1355		
Distance between Tie Rods (H x V)	in mm	47.4 x 40.7 1,205 x 1,035			47.4 x 40.7 1,205 x 1,035		
Tie Rods Diameter	in mm	5.9 150			5.9 150		
Dry Cycle Time (Euromap 6)	sec	4.33			4.33		
Diagonal Tiebar Distance	in mm	64 1,635			64 1,635		
Rotary Turn Table Recommended		Varian 1350 mm			Varian 1350 mm		
General							
Overall Dimensions (L x W x H)	in mm	350.4 x 107.6 x 109 9,067 x 2,733 x 2,768			350.4 x 107.6 x 109 9,218 x 2,733 x 2,768		
Machine Weight (without oil)	lbs kg	67,256 30,507			69,399 31,479		
Eject and CP	g/min l/min	40 / 21 151 / 79			40 / 21 151 / 79		
Electrical Motor	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)		
Connected Load	FLI	204			198		
Total Oil Capacity	gal L	180 681			180 681		
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 wieght per platen and total max mold weight.

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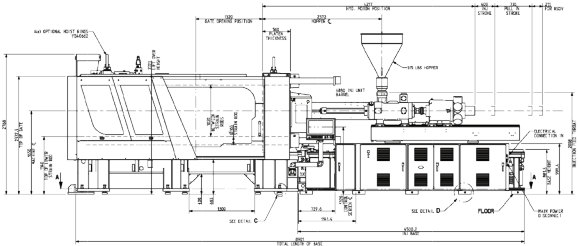
TONNAGE:
600WP US/
550 Metric

Frame Sizes:
6610, 10100
TECHNICAL
SPECIFICATIONS

		6610 Frame			10100 Frame		
	ENGLISH METRIC	A'	A	B	A'	A	B
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
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
Theoretical Displacement	in³ cm³	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	33,286 2,295	27,760 1,914	22,944 1,582	31,937 2,202	27,400 1,890	21,200 1,462
Injection Rate	in³/sec cm³/sec	32 533	40 658	48 796	37 622	45 753	59 972
Injection Velocity	in/sec mm/sec	3.3 83.84			3.11 79		
Screw Stroke	in mm	17.3 440			22.0 560		
Back Pressure Limits	psi bar	500			500		
Low Torque Screw Speed Maximum	rpm	203	202	184	167	167	162
Low Torque @ Screw	in-lb Nm	48,316 5,459			74,018 8,363		
at bar	psi bar	2,450 169			2,450 169		
Low Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	5.13 145	5.29 150	6.07 172	5.47 155	5.51 156	7.62 216
High Torque Screw Speed Maximum	rpm	139	139	139	108	108	108
High Torque @ Screw	in-lb Nm	70,204 7,932			113,962 12,876		
at bar	psi bar	2,450 169			2,450 169		
High Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	3.51 100	3.64 103	4.59 130	3.54 100	3.56 101	5.08 144
Number of Pyrometers (Barrel/Nozzle)	qty	4/1			4/1		
Total Heat Capacity	kW	60.3			61.3		
Clamp							
Clamping Force	ton kN	618 5,500			618 5,500		
Clamp Opening force (max)	ton kN	24.7 220			24.7 220		
Clamp Stroke	in mm	57.1 1,450			57.1 1,450		
Clamp Speed Close velocity	in/sec mm/sec	36.9 938			36.9 938		
Clamp Speed open velocity	in/sec mm/sec	38.4 976			38.4 976		
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		



Not actual model, for visual reference only.



		6610 Frame			10100 Frame		
	ENGLISH METRIC	A'	A	B	A'	A	B
Clamp							
Eject Velocity (retract)	in/sec mm/sec	17.45 443.15			17.45 443.15		
Maximum 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 (move/stat/total) *	lbs kg	17,582 / 17,582 / 26,370 7,975 / 7,975 / 11,960			17,582 / 17,582 / 26,370 7,975 / 7,975 / 11,960		
Platen Size (H x V)	in mm	60 x 53.3 1525 x 1355			60 x 53.3 1525 x 1355		
Distance between Tie Rods (H x V)	in mm	47.4 x 40.7 1,205 x 1,035			47.4 x 40.7 1,205 x 1,035		
Tie Rods Diameter	in mm	5.9 150			5.9 150		
Dry Cycle Time (Euromap 6)	sec	4.33			4.33		
Diagonal Tiebar Distance	in mm	64 1,635			64 1,635		
Rotary Turn Table Recommended		Varian 1350 mm			Varian 1350 mm		
General							
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	70,530 31,992			79,444 36,035		
Eject and CP	g/min l/min	40 / 21 151 / 79			40 / 21 151 / 79		
Electrical Motor	hp kW	40 (54 HP) / 80 (107 HP) 40 (19 kW) / 80 (43 kW)			50 (58 HP) / 50 (58 HP) / 50 (58 HP) 50 (43 kW) / 50 (43 kW) / 50 (43 kW)		
Connected Load	FLI	207			333		
Total Oil Capacity	gal L	180 681			240 908		
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.

THE MAXIMA P
SERIES

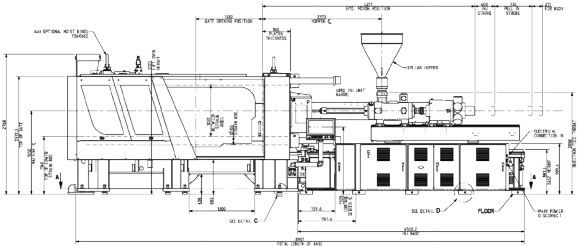
TONNAGE:
725 US/650 Metric

Frame Sizes:
3470, 4880
TECHNICAL
SPECIFICATIONS

		3470 Frame			4880 Frame		
	ENGLISH METRIC	A	B	C	A'	A	B
Injection Unit Specifications							
Injection Capacity, Maximum GPPS	oz gms	46 1,304	60 1,701	76 2,155	67 1,899	85 2,410	105 2,977
Screw Diameter	in mm	2.76 70	3.15 80	3.54 90	3.15 80	3.54 90	3.94 100
Screw L/D Ratio	L/D	26	22.8	20	25	22.2	20
Theoretical Displacement	in³ cm³	84.5 1,385	110.4 1,809	139.7 2,290	122.6 2,010	155.2 2,544	191.7 3,141
Maximum Injection Pressure	psi bar	33,228 2,291	27,818 1,918	21,988 1,516	35,200 2,427	27,800 1,917	22,500 1,552
Injection Rate	in³/sec cm³/sec	30 502	40 656	50 831	31 519	40 657	49 811
Injection Velocity	in/sec mm/sec	5.15 130.7			4.07 103.30		
Screw Stroke	in mm	14.2 360			15.7 400		
Back Pressure Limits	psi bar	500			500		
Low Torque Screw Speed Maximum	rpm	289	253	225	253	225	202
Low Torque at Screw	in-lb Nm	22,595 2,553			31,544 3,564		
at bar	psi bar	2,450 169			2,450 169		
Low Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	3.94 112	3.87 110	4.55 129	4.84 137	5.12 145	5.29 150
High Torque Screw Speed Maximum	rpm	269	253	225	207	207	202
High Torque @ Screw	in-lb Nm	34,385 3,885			47,324 5,347		
at bar	psi bar	2,450 169			2,450 169		
High Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	3.67 104	3.87 110	4.55 129	3.96 112	4.19 119	5.29 150
Number of Pyrometers (Barrel/Nozzle)	qty	4/1			4/1		
Total Heat Capacity	kW	57.8			53.0		
Clamp							
Clamping Force	ton kN	731 6,500			731 6,500		
Clamp Opening force (max)	ton kN	29 260			29 260		
Clamp Stroke	in mm	57.1 1,450			57.1 1,450		
Clamp Speed Close velocity	in/sec mm/sec	36.9 938			36.9 938		
Clamp Speed open velocity	in/sec mm/sec	38.4 976			38.4 976		
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		



Not actual model, for visual reference only.



		3470 Frame			4880 Frame		
	ENGLISH METRIC	A	B	C	A'	A	B
Clamp							
Eject Velocity (retract)	in/sec mm/sec	17.45 443.15			17.45 443.15		
Maximum 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 (move/stat/total) *	lbs kg	17,582 / 17,582 / 26,370 7,975 / 7,975 / 11,960			17,582 / 17,582 / 26,370 7,975 / 7,975 / 11,960		
Platen Size (H x V)	in mm	60 x 53.3 1,525 x 1,355			60 x 53.3 1,525 x 1,355		
Distance between Tie Rods (H x V)	in mm	46.9 x 40.2 1,190 x 1,020			46.9 x 40.2 1,190 x 1,020		
Tie Rods Diameter	in mm	6.5 165			6.5 165		
Dry Cycle Time (Euromap 6)	sec	4.33			4.33		
Diagonal Tiebar Distance	in mm	64 1,635			64 1,635		
Rotary Turn Table Recommended		Varian 1350 mm			Varian 1350 mm		
General							
Overall Dimensions (L x W x H)	in mm	365.6 x 111.8 x 107.5 9287 x 2840.6 x 2730.6			365.6 x 111.8 x 107.5 9287 x 2840.6 x 2730.6		
Machine Weight (without oil)	lbs kg	67,256 30,507			69,399 31,479		
Eject and CP	g/min l/min	40 / 21 151 / 79			40 / 21 151 / 79		
Electrical Motor	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)		
Connected Load	FLI	204			198		
Total Oil Capacity	gal L	180 681			180 681		
Water Supply (90 deg. F.)	gal/min L/min	25 95			25 95		

Notes

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- 2) * Signifies maximum mold weight per platen and total max mold weight.

THE MAXIMA P
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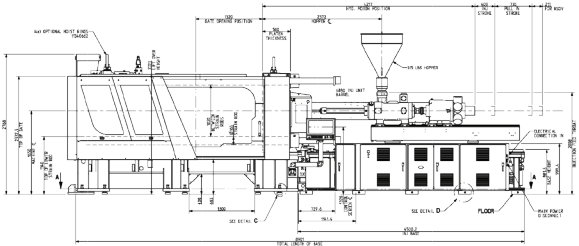
TONNAGE:
725 US/650 Metric

Frame Sizes:
6610, 10100
TECHNICAL
SPECIFICATIONS

		6610 Frame			10100 Frame		
	ENGLISH METRIC	A'	A	B	A'	A	B
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
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
Theoretical Displacement	in³ cm³	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	33,286 2,295	27,760 1,914	22,944 1,582	31,937 2,202	27,400 1,890	21,200 1,462
Injection Rate	in³/sec cm³/sec	32 533	40 658	48 796	37 622	45 753	59 972
Injection Velocity	in/sec mm/sec	3.3 83.89			3.11 79		
Screw Stroke	in mm	17.3 440			22.0 560		
Back Pressure Limits	psi bar	500			500		
Low Torque Screw Speed Maximum	rpm	203	202	184	167	167	162
Low Torque at Screw	in-lb Nm	48,316 5,459			74,018 8,363		
at bar	psi bar	2,450 169			2,450 169		
Low Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	5.13 145	5.29 150	6.07 172	5.47 155	5.51 156	7.62 216
High Torque Screw Speed Maximum	rpm	139	139	139	108	108	108
High Torque @ Screw	in-lb Nm	70,204 7,932			113,962 12,876		
at bar	psi bar	2,450 169			2,450 169		
High Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	3.51 100	3.64 103	4.59 130	3.54 100	3.56 101	5.08 144
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		
Clamp Opening force (max)	ton kN	29 260			29 260		
Clamp Stroke	in mm	57.1 1,450			57.1 1,450		
Clamp Speed Close velocity	in/sec mm/sec	36.9 938			36.9 938		
Clamp Speed open velocity	in/sec mm/sec	38.4 976			38.4 976		
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		



Not actual model, for visual reference only.



		6610 Frame			10100 Frame		
	ENGLISH METRIC	A'	A	B	A'	A	B
Clamp							
Eject Velocity (retract)	in/sec mm/sec	17.45 443.15			17.45 443.15		
Maximum 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 (move/stat/total) *	lbs kg	17,582 / 17,582 / 26,370 7,975 / 7,975 / 11,960			17,582 / 17,582 / 26,370 7,975 / 7,975 / 11,960		
Platen Size (H × V)	in mm	60 x 53.3 1,525 x 1,355			60 x 53.3 1,525 x 1,355		
Distance between Tie Rods (H x V)	in mm	46.9 x 40.2 1,190 x 1,020			46.9 x 40.2 1,190 x 1,020		
Tie Rods Diameter	in mm	6.5 165			6.5 165		
Dry Cycle Time (Euromap 6)	sec	4.33			4.33		
Diagonal Tiebar Distance	in mm	64 1,635			64 1,635		
Rotary Turn Table Recommended		Varian 1350 mm			Varian 1350 mm		
General							
Overall Dimensions (L × W × H)	in mm	365.6 x 111.8 x 107.5 9,287 x 2,840.6 x 2,730.6			395.6 x 111.8 x 107.5 10,049 x 2,840.6 x 2,730.6		
Machine Weight (without oil)	lbs kg	70,530 31,992			79,444 36,035		
Eject and CP	g/min l/min	40 / 21 151 / 79			40 / 21 151 / 79		
Electrical Motor	hp kW	40 (54 HP) / 80 (107 HP) 40 (19 kW) / 80 (43 kW)			50 (58 HP) / 50 (58 HP) / 50 (58 HP) 50 (43 kW) / 50 (43 kW) / 50 (43 kW)		
Connected Load	FLI	207			333		
Total Oil Capacity	gal L	180 681			240 908		
Water Supply (90 deg. F.)	gal/min L/min	25 95			25 95		

Notes

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- 2) * Signifies maximum mold weight per platen and total max mold weight.

THE MAXIMA P
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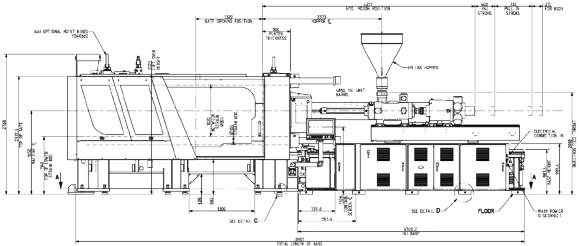
TONNAGE:
950 US/850 Metric

Frame Sizes:
4880, 6610
TECHNICAL
SPECIFICATIONS

		4880 Frame			6610 Frame		
	ENGLISH METRIC	A'	A	B	A'	A	B
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
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
Theoretical Displacement	in³ cm³	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	35,200 2,427	27,800 1,917	22,500 1,552	33,286 2,295	27,760 1,914	22,944 1,582
Injection Rate	in³/sec cm³/sec	38 630	48 798	60 985	39 648	48 800	59 968
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	31,544 3,564			48,316 5,459		
at bar	psi bar	2,450 169			2,450 169		
Low Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	4.84 137	4.55 129	5.29 150	5.44 154	5.29 150	6.07 172
High Torque Screw Speed Maximum	rpm	250	225	202	169	169	169
High Torque @ Screw	in-lb Nm	47,324 5,347			70,204 7,932		
at bar	psi bar	2,450 169			2,450 169		
High Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	4.78 136	4.55 129	5.29 150	4.27 121	4.43 126	5.58 158
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		
Clamp Opening force (max)	ton kN	38 340			38 340		
Clamp Stroke	in mm	63 1,600			63 1,600		
Clamp Speed Close velocity	in/sec mm/sec	31.25 794			31.25 794		
Clamp Speed open velocity	in/sec mm/sec	32.51 826			32.51 826		
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		



Not actual model, for visual reference only.



		4880 Frame			6610 Frame		
	ENGLISH METRIC	A'	A	B	A'	A	B
Clamp							
Eject Velocity (retract)	in/sec mm/sec	11.17 283.62			11.17 283.62		
Maximum 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	90.6 2,300			90.6 2,300		
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 (move/stat/total) *	lbs kg	24,191 / 24,191 / 32,290 10,973 / 10,973 / 16,460			24,191 / 24,191 / 32,290 10,973 / 10,973 / 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 (H x V)	in mm	54.7 x 43.3 1,390 x 1,100			54.7 x 43.3 1,390 x 1,100		
Tie Rods Diameter	in mm	7.28 185			7.28 185		
Dry Cycle Time (Euromap 6)	sec	4.15			4.15		
Diagonal Tiebar Distance	in mm	73 1,848			73 1,848		
Rotary Turn Table Recommended		Varian 1600 mm			Varian 1600 mm		
General							
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			380.6 x 123.4 x 107.5 9,666.6 x 3,133 x 2,713.6		
Machine Weight (without oil)	lbs kg	88,141 39,980			89,272 40,493		
Eject and CP	g/min l/min	40 / 21 151 / 79			40 / 21 151 / 79		
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)		
Connected Load	FLI	236			245		
Total Oil Capacity	gal L	240 908.5			240 908.5		
Water Supply (90 deg. F.)	gal/min L/min	25 95			25 95		

Notes

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- 2) * Signifies maximum mold weight per platen and total max mold weight.

THE MAXIMA P
SERIES

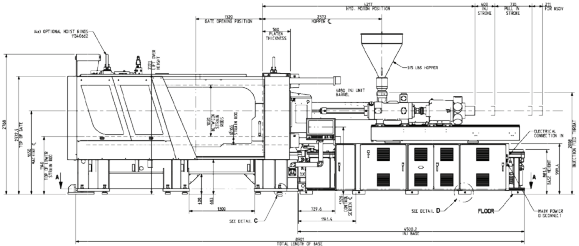
TONNAGE:
950 US/850 Metric

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	37 622	45 753	59 972	60 989	75 1,241
Injection Velocity	in/sec mm/sec		3.11 79		3.17 80	
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		61.3		61.3	
Clamp						
Clamping Force	ton kN		955 8,500		955 8,500	
Clamp Opening force (max)	ton kN		38 340		38 340	
Clamp Stroke	in mm		63 1,600		63 1,600	
Clamp Speed Close velocity	in/sec mm/sec		31.25 794		31.25 794	
Clamp Speed open velocity	in/sec mm/sec		32.51 826		32.51 826	
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	



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		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		90.6 2,300		90.6 2,300	
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 (move/stat/total) *	lbs kg		24191 / 24191 / 32,290 10,973 / 10,973 / 16,460		24191 / 24191 / 32,290 10,973 / 10,973 / 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 (H x V)	in mm		54.7 x 43.3 1,390 x 1,100		54.7 x 43.3 1,390 x 1,100	
Tie Rods Diameter	in mm		7.28 185		7.28 185	
Dry Cycle Time (Euromap 6)	sec		4.15		4.15	
Diagonal Tiebar Distance	in mm		73 1,848		73 1,848	
Rotary Turn Table Recommended			Varian 1600 mm		Varian 1600 mm	
General						
Overall Dimensions (L x W x H)	in mm		407.5 x 123.4 x 107.5 10,350 x 3,133 x 2,731.6		426.1 x 123.4 x 107.5 10,823 x 3,133 x 2,731.6	
Machine Weight (without oil)	lbs kg		98,617 44,732		108,328 49,137	
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.

THE MAXIMA P
SERIES

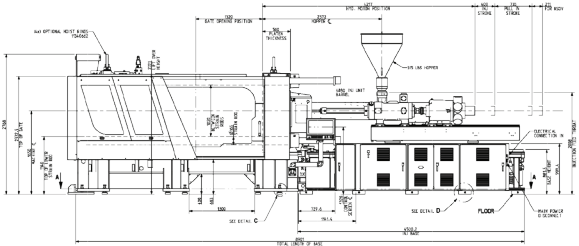
TONNAGE:
1100 US/
1000 Metric

Frame Sizes:
4880, 6610
TECHNICAL
SPECIFICATIONS

		4880 Frame			6610 Frame		
	ENGLISH METRIC	A'	A	B	A'	A	B
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
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
Theoretical Displacement	in³ cm³	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	in³/sec cm³/sec	42 691	53 875	65 1,080	42 710	53 875	65 1061
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	31,544 3,564			48,316 5,459		
at bar	psi bar	2,450 169			2,450 169		
Low Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	4.84 137	4.55 129	5.29 150	5.44 154	5.29 150	6.07 172
High Torque Screw Speed Maximum	rpm	250	225	202	185	185	184
High Torque @ Screw	in-lb Nm	47,324 5,347			70,204 7,932		
at bar	psi bar	2,450 169			2,450 169		
High Torque Plasticizing Rate (GPPS)	oz/sec gm/sec	4.78 136	4.55 129	5.29 150	4.68 133	4.84 137	6.07 172
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.



		4880 Frame			6610 Frame		
	ENGLISH METRIC	A'	A	B	A'	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 / 26,378 / 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	396.2 x 129.7 x 105.1 10,063.4 x 3,295 x 2,668.6			397.1 x 129.7 x 105.1 10,085.4 x 3,295 x 2,668.6		
Machine Weight (without oil)	lbs kg	110,571 50,154			112,495 51,027		
Eject and CP	g/min l/min	40 / 21 151 / 79			40 / 21 151 / 79		
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)		
Connected Load	FLI	238			247		
Total Oil Capacity	gal L	240 908.5			240 908.5		
Water Supply (90 deg. F.)	gal/min L/min	25 95			25 95		

Notes

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- 2) * Signifies maximum mold weight per platen and total max mold weight.

THE MAXIMA P
SERIES

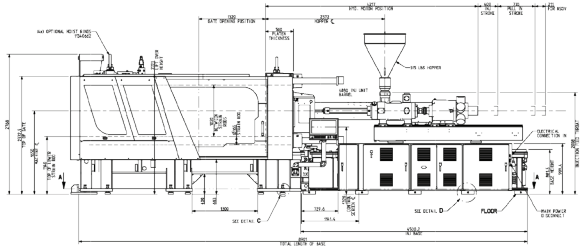
TONNAGE:
1100 US/
1000 Metric

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

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- 3) ** 16000 injection unit - standard single displacement extruder motor.