



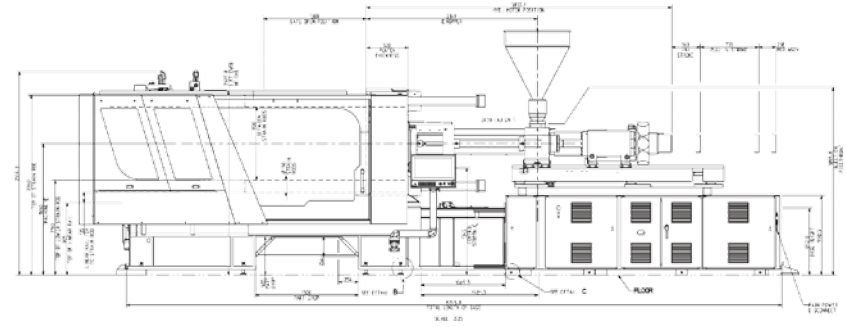
MAXIMA

PERFORMANCE SERIES

Tonnage: 600

Frame Sizes:
2290, 3470

TECHNICAL SPECIFICATIONS



	ENGLISH METRIC	2290 Frame			3470 Frame		
		A	B	C	A	B	C
General							
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)		
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	179			202		
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 9,056.7q x 2,360.3 x 2,554.3		
Machine Weight	lbs kg	47,400 21,500			49,400 22,400		
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
Theoretical Displacement	in ³ cm ³	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	32,400 2,234	26,900 1,855	20,600 1,421	33,200 2,290	27,800 1,917	21,900 1,510
Injection Rate	in ³ /sec cm ³ /sec	27.4 449	37.3 611	48.7 798	27.6 453	36.1 591	45.7 749
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	389	253	289	253	225
Low Torque @ Screw	in-lb Nm	18,970 2,143			22,745 2,570		
at bar	psi bar	2,450 169			2,450 169		
Plasticizing Rate (GPPS)	oz/sec gm/sec	2.7 76	3.2 90	4.0 115	3.2 90	4.0 115	4.7 134
High Torque Screw Speed Maximum	rpm	289	289	253	243	243	225
High Torque @ Screw	in-lb Nm	28,974 3,274			34,450 3,892		
at bar	psi bar	2,450 169			2,450 169		
Plasticizing Rate (GPPS)	oz/sec gm/sec	2.4 67	3.2 90	4.0 115	2.7 77	3.8 108	4.7 134

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

		2290 Frame			3470 Frame		
	ENGLISH METRIC	A	B	C	A	B	C
Injection Unit Specifications							
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
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		
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 Table Recommended		Varian 1000 mm			Varian 1000 mm		



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