

THE LP500M SERIES

**LOW PRESSURE
MULTI NOZZLE SERIES**

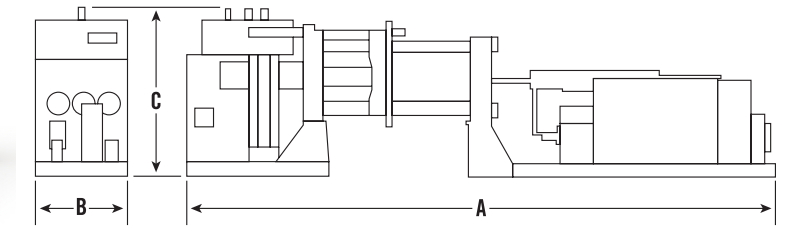
TONNAGE: 500

**TECHNICAL
SPECIFICATIONS**

Melt Unit: 2 x 423

LP500M-2 x 423

	ENGLISH METRIC	
Clamp		
Clamp Tonnage	tons tonnes	500 454
Platen Size (H x V)	in mm	89 x 98 2,261 x 2,489
Distance Between Tie Bars	in mm	67.5 x 58.5 1,715 x 1,486
Tie Bar Diameter	in mm	7.5 191
Max. Clamp Opening (Daylight)	in mm	120 3,048
Clamp Stroke	in mm	108 2,743
Min. Mold Shut Height	in mm	12 305
Clamp Speed Max	in/sec mm/sec	14 356
Mold Carrying Capacity (Moving Platen)	lbs kg	35,000 15,876
Way Support System		Standard
Extruder		
Number of Extruders		2
Screw Diameter	in mm	4.5 114
L/D Ratio		30:1
Output HDPE or P.S. (total)	lbs/hr kg/hr	1,800 817
Drive Size	Hp kW	250 x 2 186.4 x 2
Barrel Heating\Cooling Zones		5 x 2
Barrel Cooling Type		Air Barrel Cooling



LP500M-2 x 423

	ENGLISH METRIC	
Injection		
Number of Accumulators		2
Total Shot Weight (Shot Size) PS/HDPE	lbs kg	150/120 68/54
Accumulators Volume (Each)	in ³ cm ³	2,300 37,690
Total Shot Volume	in ³ cm ³	4,600 75,380
Pressure Maximum (Per Accum.)	psi bar	6,000 414
Total Number of Shot Sizes		16
Independent Nozzle Sequence		32
Nozzle		
Multiple Nozzles		As Required
Nozzle Spacing	in mm	6 x 6 152 x 152
Number of Nozzle Locations		180
Nozzle Heat Control Zones		32
Manifold Extension Heat Control Zones		20
Nozzle Hydraulic Controls		32

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		ENGLISH METRIC	
A	Est. Configuration Length	ft m	60 18.3
B	Est. Configuration Width	ft m	12 3.7
C	Est. Configuration Height (without air bags)	ft m	13 3.9
	Est. Configuration Weight	tons tonnes	113 103
	Est. Power Consumption @ 85% Output	kW/hr	490

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.