



# LP500M

## LOW PRESSURE MULTI NOZZLE SERIES

**Tonnage: 500**

**Melt Unit:  
2 x 423**

### TECHNICAL SPECIFICATIONS

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LP500M-2 x 423		
	ENGLISH	METRIC
<b>Clamp</b>		
Clamp Tonnage	tons	500
	tonnes	454
Platen Size (H x V)	in	89 x 98
	mm	2,261 x 2,489
Distance Between Tie Bars	in	67.5 x 58.5
	mm	1,715 x 1,486
Tie Bar Diameter	in	7.5
	mm	191
Max. Clamp Opening (Daylight)	in	120
	mm	3,048
Clamp Stroke	in	108
	mm	2,743
Min. Mold Shut Height	in	12
	mm	305
Clamp Speed Max	in/sec	14
	mm/sec	356
Mold Carrying Capacity (Moving Platen)	lbs	35,000
	kg	15,876
Way Support System		Standard
<b>Extruder</b>		
Number of Extruders		2
Screw Diameter	in	4.5
	mm	114
L/D Ratio		30:1
Output HDPE or P.S. (total)	lbs/hr	1,800
	kg/hr	817
Drive Size	Hp	250 x 2
	kW	186.4 x 2
Barrel Heating\Cooling Zones		5 x 2
Barrel Cooling Type		Air Barrel Cooling

LP500M-2 x 423		
	ENGLISH	METRIC
<b>Injection</b>		
Number of Accumulators		2
Total Shot Weight (Shot Size) PS/HDPE	lbs	150/120
	kg	68/54
Accumulators Volume (Each)	in <sup>3</sup>	2,300
	cm <sup>3</sup>	37,690
Total Shot Volume	in <sup>3</sup>	4,600
	cm <sup>3</sup>	75,380
Pressure Maximum (Per Accum.)	psi	6,000
	bar	414
Total Number of Shot Sizes		16
Independent Nozzle Sequence		32
<b>Nozzle</b>		
Multiple Nozzles		As Required
Nozzle Spacing	in	6 x 6
	mm	152 x 152
Number of Nozzle Locations		180
Nozzle Heat Control Zones		32
Manifold Extension Heat Control Zones		20
Nozzle Hydraulic Controls		32

#### 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.

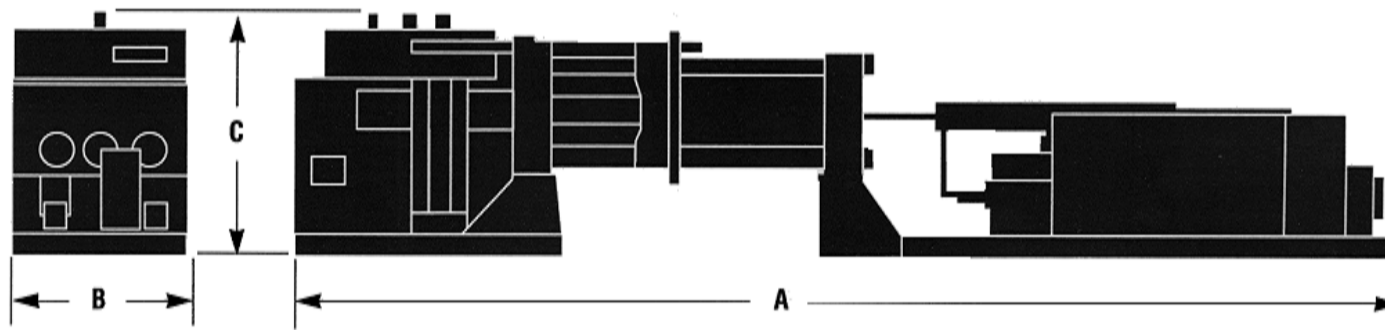
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LP500M-2 x 423			
		ENGLISH METRIC	
A	Est. Configuration Length	ft m	60 18.3
B	Est. Configuration Width	ft m	12 3.7
C	Est. Configuration Height (without air bags)	ft m	13 3.9
	Est. Configuration Weight	tons tonnes	113 103
	Est. Power Consumption @ 85% Output	kW/hr	490

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