



MAXIMA

SERVO SERIES

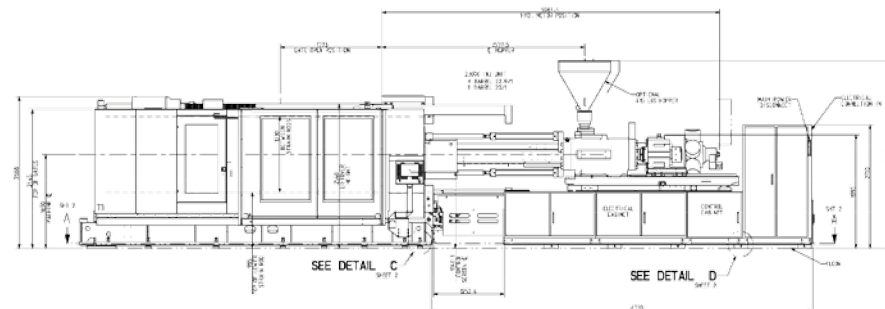
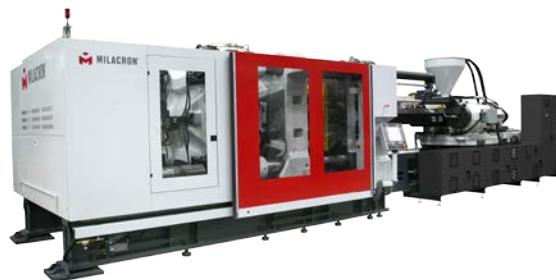
Tonnage: 1300

Frame Sizes:
16000, 23000

TECHNICAL SPECIFICATIONS

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		16000 Frame		23000 Frame	
	ENGLISH METRIC	A	B	A	B
General					
Servo Motors	kW	92.40		92.40	115.50
Total Oil Capacity	gal L	470 1,780		470 1,780	
Water Supply (29°C Inlet Temp)	gal/min L/min	25 95		25 95	
Connected Load (Amps)	FLI	258		337	
Overall Dimensions (L × W × H)	in mm	471.40 x 145.80 x 105.40 11,973 x 3,702 x 2,678		488.10 x 145.80 x 105.40 12,398 x 3,702 x 2,678	
Machine Weight (without oil)	lbs kg	174,700 79,250		182,600 82,800	
Injection Unit Specifications					
Injection Capacity, Maximum GPPS*	oz gms	288 8,174	362 10,253	413 11,718	540 15,305
Theoretical Displacement	in³ cm³	524 8,590	658 10,776	752 12,315	982 16,085
Maximum Injection Pressure	psi bar	27,500 1,896	21,900 1,510	27,500 1,896	21,100 1,455
Injection Rate	in³/sec cm³/sec	65 1,080	82 1,354	79 1,296	103 1,693
Injection Velocity	in/sec mm/sec	3.46 88	3.46 88	3.31 84.2	3.31 84.2
Screw Stroke	in mm	27.60 700		31.50 800	
Back Pressure Limits	psi bar	500 34.47		500 34.47	
Low Torque Screw Speed Maximum	rpm	***		***	
Low Torque at Screw	in-lb Nm	***		***	
at bar	psi bar	***		***	
Plasticizing Rate (GPPS)	oz/sec gm/sec	***		***	
High Torque Screw Speed Maximum	rpm	112		119	
High Torque at Screw	in-lb Nm	156,306 17,660		183,760 20,762	
at bar	psi bar	2,495 172.41		2,495 172.41	
Plasticizing Rate (GPPS)*	oz/sec gm/sec	5.6 158	7.4 211	7.9 225	11.10 313

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) *Conversion factor 0.95 g/xx based on polystyrene
- 3) ** L/D calculation includes feedthroat width
- 4) *** Does not apply to this model

		16000 Frame		23000 Frame	
	ENGLISH METRIC	A	B	A	B
Injection Unit Specifications (continued)					
Screw Diameter	in mm	4.92 125	5.51 140	5.51 140	6.30 160
Screw L/D Ratio	L/D	22.4**	20**	22.92**	20**
Number of Pyrometers (Barrel/Nozzle)	qty	4/1			
Total Heat Capacity	kW	65		91	
Nozzle Holding Force	ton kN	12 107		12 107	
Clamp					
Clamping Force	ton kN	1,292 11,500		1,292 11,500	
Opening Force	ton kN	71.60 637		71.60 637	
Clamp Stroke	in mm	86.60 2,200		86.60 2,200	
Clamp Close Velocity	in/sec mm/sec	37 940		37 940	
Clamp Open Velocity	in/sec mm/sec	37 940		37 940	
Eject Force (forward)	tons kN	28 250		28 250	
Eject Velocity (forward)	in/sec mm/sec	7.28 185		7.28 185	
Eject Velocity (retract)	in/sec mm/sec	13 333		13 333	
Ejector Stroke	in mm	11.80 300		11.80 300	
Mold Protect Pressure	psi bar	1,500 103.42		1,500 103.42	
Maximum Daylight with Ejector System	in mm	110.20 2,800		110.20 2,800	
Minimum Mold Height	in mm	23.60 600		23.60 600	
Maximum Mold Height	in mm	61.40 1,560		61.40 1,560	
Maximum Mold Weight	lbs kg	55,500 25,175		55,500 25,175	
Platen Size (H x V)	in mm	86.60 x 70.10 2,200 x 1,780		86.60 x 70.10 2,200 x 1,780	
Distance Between Tie Rods	in mm	65.70 x 52.40 1,670 x 1,330		65.70 x 52.40 1,670 x 1,330	
Tie Rod Diameter	in mm	8.86 225		8.86 225	
Eject and CP	g/min l/min	54 204		54 204	
Dry Cycle Time (Euromap 6)	sec	7.8		7.8	
Diagonal Tiebar Distance	in mm	87.65 2,226.3		87.65 2,226.3	
Mold Locating Ring Inside Diameter	in mm	5 127		5 127	



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