



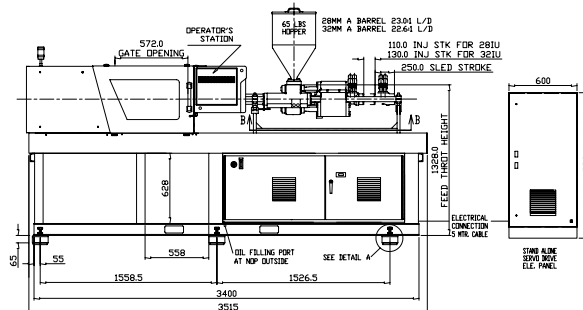
MAGNA

TOGGLE SERIES

Tonnage: 55

Frame Sizes:
28mm, 32mm

TECHNICAL SPECIFICATIONS



	ENGLISH METRIC	28mm Frame			32mm Frame		
		A	B	C	A	B	C
General							
Electrical Motor	hp kW		15 11.5			15 11.5	
Total Oil Capacity	gal L		55 208			55 208	
Water Supply (29°C Inlet Temp)	gal/min L/min		10.6 40			10.6 40	
Connected Load	kW		17.9			18.8	
FLI / FLA (Full Load Amps) ³	Amps		47			48	
Main Circuit Breaker ³	Amps		80			80	
Overall Dimensions (L x W x H)	ft m		11.4 x 3.9 x 6.88 [2] 3.5 x 1.3 x 2.1			11.4 x 3.9 x 6.88 [2] 3.5 x 1.3 x 2.1	
Machine Weight	lbs kg		6,393 2,900			7,055 3,200	
Injection Unit Specifications							
Injection Capacity, Maximum GPPS	oz gms	2.3 64	3.0 84	3.7 106	3.5 99	4.4 125	6.0 171
Theoretical Displacement	in ³ cm ³	4.1 67	5.4 88	6.8 112	6.3 104	8.1 132	11.0 180
Maximum Injection Pressure	psi bar	29,900 2,068	22,900 1,584	18,100 1,251	30,000 2,074	23,700 1,639	17,400 1,204
Injection Rate	in ³ /sec cm ³ /sec	6.2 102	8.1 133	10.3 168	6.0 99	7.7 126	10.4 171
Injection Velocity	in/sec mm/sec		6.5 167			4.9 125	
Screw Stroke	in mm		4.3 110			5.1 130	
Back Pressure Limits	psi bar		500 34.4			500 34.4	
Screw Diameter	in mm	1.10 28	1.26 32	1.42 36	1.26 32	1.42 36	1.65 42
Screw L/D Ratio	L/D	22.6	20	17.7	22.6	20	17.7
Screw Speed	rpm		400			298	
Screw Torque	in-lb Nm		3,800 425		6,000 665	6,100 671	6,100 671
	at psi at bar		2,466 170		2,466 170	2,495 172	2,495 172
Plasticizing Rate (GPPS)	oz/sec gm/sec	0.4 12	0.5 15	0.7 20	0.4 11	0.5 15	0.8 23

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		28mm Frame			32mm Frame		
	ENGLISH METRIC	A	B	C	A	B	C
Injection Unit Specifications (continued)							
Number of Pyrometers (Barrel/Nozzle)	qty	3/1			3/1		
Total Heat Capacity	kW	6.4			7.3		
Clamp							
Clamping Force	ton kN	56 500			56 500		
Opening Force	ton kN	150 16			150 16		
Clamp Stroke	in mm	11 280			11 280		
Clamp Close Velocity	in/sec cm/sec	17.7 450			17.7 450		
Clamp Open Velocity	in/sec cm/sec	15.7 400			15.7 400		
Eject Force (forward)	tons kN	3.6 32			3.6 32		
Eject Velocity (forward)	in/sec cm/sec	12.7 325			12.7 325		
Eject Velocity (retract)	in/sec cm/sec	12.7 325			12.7 325		
Ejector Stroke	in mm	3.9 100			3.9 100		
Mold Protect Pressure	Psi Bar	493 34			493 34		
Maximum Daylight	in mm	24.8 630			24.8 630		
Minimum Mold Height	in mm	5.9 150			5.9 150		
Maximum Mold Height	in mm	13.8 350			13.8 350		
Maximum Mold Weight	lbs kg	926 420			926 420		
Platen Size (H x V)	in mm	19.6 x 19.0 500 x 485			19.6 x 19.0 500 x 485		
Distance Between Tie Rods	in mm	12.7 x 12.2 325 x 310			12.7 x 12.2 325 x 310		
Tie Rod Diameter	in mm	2.2 55			2.2 55		
Dry Cycle Time (Euromap 6)	sec	2.5			2.5		

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) Additional cabinet dimensions: 1.96 ft x 1.4 ft x 4.2 ft with 16 ft cable
- 3) These values are for standard machine horsepower and voltage (460v/3ph/60Hz) with no additional options



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