

Technical Specifications

INJECTION UNIT	450 Frame								630 Frame							
	Metric	A	B	C	English	A	B	C	Metric	A	B	C	English	A	B	C
Injection Capacity, Maximum GPPS	gms	165	215	272	oz	5.8	7.6	9.6	gms	239	303	374	oz	8.4	10.7	13.2
Theoretical Displacement	cm ³	173	226	286	in ³	10.6	13.8	17.5	cm ³	251	318	393	in ³	15.3	19.4	24.0
Maximum Injection Pressure	bar	2443	1984	1568	psi	35400	28700	22700	bar	2492	1969	1595	psi	36100	28500	23100
Injection Rate	cm ³ /sec	103	134	170	in ³ /sec	6.3	8.2	10.4	cm ³ /sec	107	135	167	in ³ /sec	6.5	8.2	10.2
Screw Stroke	mm	180	180	180	in	7.1	7.1	7.1	mm	200	200	200	in	7.9	7.9	7.9
Screw Diameter	mm	35	40	45	in	1.38	1.57	1.77	mm	40	45	50	in	1.57	1.77	1.97
Screw L/D Ratio	L/D	25.7	22.5	20	L/D	25.7	22.5	20	L/D	25	22.2	20	L/D	25	22.2	20
Screw Speed	rpm	279	279	279	rpm	279	279	279	rpm	222	222	222	rpm	222	222	222
Screw Torque @172 bar	Nm	876	876	876	in-lb	7900	7900	7900	Nm	1080	1080	1080	in-lb	9800	9800	9800
Plasticizing Rate GPPS	gm/sec	13	19	26	oz/sec	0.5	0.7	0.9	gm/sec	15	20	33	oz/sec	0.5	0.7	1.2
Number of Pyrometers (Barrel/Nozzle)	qty	4/1			qty	4/1			qty	4/1			qty	4/1		
Total Heat Capacity	kW	11.3			kW	11.3			kW	15.7			kW	15.7		

CLAMP

Clamping Force	kN	1100			ton	123			kN	1100			ton	123		
Opening Force	kN	110			ton	12			kN	110			ton	12		
Clamp Stroke	mm	350			in	13.8			mm	350			in	13.8		
Maximum Daylight	mm	830			in	32.7			mm	830			in	32.7		
Minimum Mold Height	mm	150			in	5.9			mm	150			in	5.9		
Maximum Mold Height	mm	480			in	18.9			mm	480			in	18.9		
Platen Size (H × V)	mm	655 × 655			in	25.7 × 25.7			mm	655 × 655			in	25.7 × 25.7		
Distance Between Tie Rods	mm	435 × 435			in	17.1 × 17.1			mm	435 × 435			in	17.1 × 17.1		
Minimum Mold Area	mm	290 × 290			in	11.4 × 11.4			mm	290 × 290			in	11.4 × 11.4		
Tie Rod Diameter	mm	80			in	3.1			mm	80			in	3.1		
Ejector Stroke	mm	120			in	4.7			mm	120			in	4.7		
Ejector Force	kN	35			ton	3.9			kN	35			ton	3.9		
Maximum Mold Weight	kg	1,030			lbs	2,271			kg	1,030			lbs	2,271		
Dry Cycle Time (Euromap 6)	sec-mm	1.8 - 305			sec - in	1.8 - 12.0			sec-mm	1.8 - 305			sec - in	1.8 - 12.0		

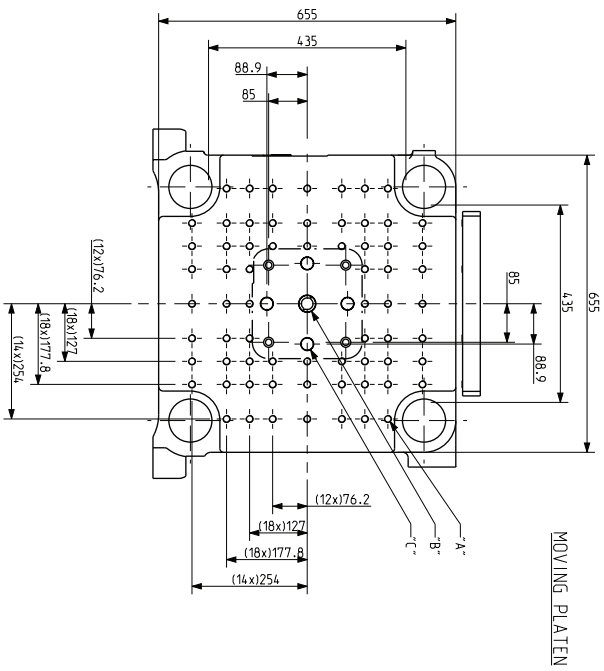
GENERAL

Electrical Motor	kW	11.5			hp	15			kW	11.5			hp	15		
Total Oil Capacity	L	265			gal	70			L	265			gal	70		
Water Supply (29°C Inlet Temp)	L/min	50			gal/min	13.2			L/min	50			gal/min	13.2		
Connected Load	kW	22.8			kW	22.8			kW	27.2			kW	27.2		
Overall Dimensions (L × W × H)	m	5.2 × 1.39 × 1.98			ft	17.1 × 4.6 × 6.5			m	5.2 × 1.39 × 1.98			ft	17.1 × 4.6 × 6.5		
Machine Weight	kg	4,200			lbs	9,259			kg	4,500			lbs	9,921		

***Note: All machine dimensions and specifications are subject to change. Values are for reference only.

MAGNA T 125

DIE SPACE DRAWINGS



VIEW A-A

- "A" - $\varnothing 0.531$ " 1.78" DEEP .625-11 UNC-2B 1.2" DEEP (68) PLACES ON BOTH PLATENS
- "B" - MOVING PLATEN: $\varnothing 36.53$ (1.438") THRU $0.8 \times 45^\circ$ CHAMFER BOTH SIDE K/O BAR CENTER HOLE M16 THRU 0.750 "-10 UNC-2B THRU
- "C" - $\varnothing 27.0$ (1.063") THRU $0.8 \times 45^\circ$ CHAMFER (4) PLACES, K/O BAR HOLES M 16 THRU (4) PLACES

