

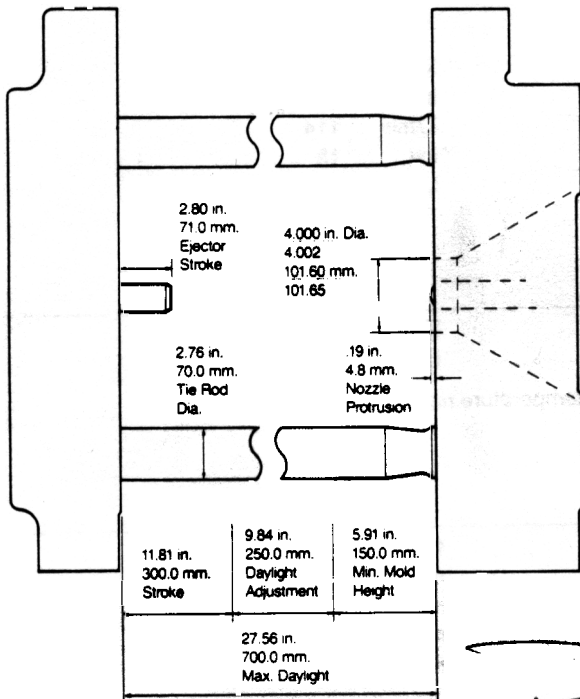
Clamp Specifications

	English		Metric	
Clamp Force	Tons	110	Tons	100
Maximum Daylight	in	27.6	mm	700
Mold Height Maximum/Minimum	in	15.7/5.9	mm	400/150
Clamp Stroke	in	11.8	mm	300
Clamp Speed				
*Dry cycle time (est.),				
maximum stroke	sec	1.53	sec	1.53
Platen Size (H x V)	in	24.8 x 22.8	mm	630 x 580
Distance between Tie Rods (H x V)	in	16.1 x 14.2	mm	410 x 360
Tie Rod Diameter	in	2.8	mm	70
Hydraulic Ejection System				
Eject Force	Tons	4	Tons	3.6
Stroke (Max.)	in	2.8	mm	71

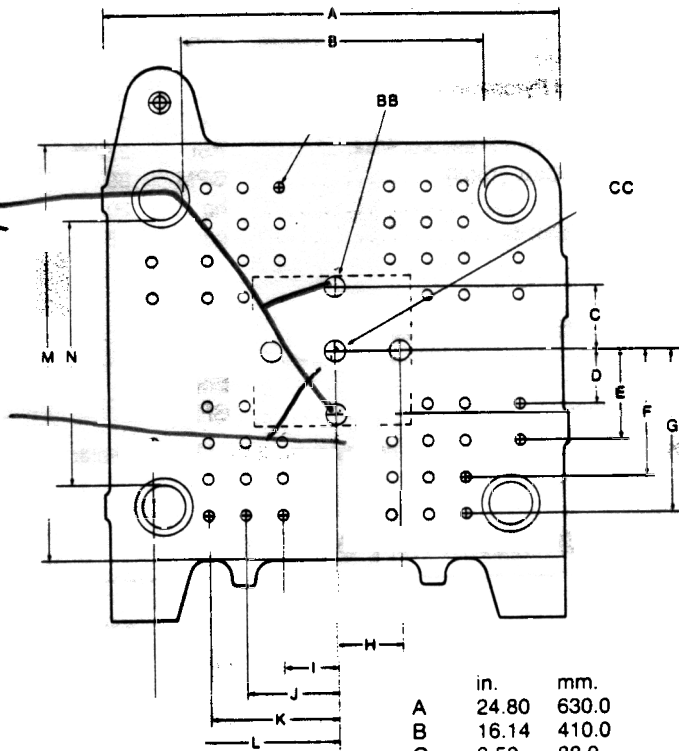
*Measured: Clamp open, clamp closed, build tonnage, clamp open.

Die Space

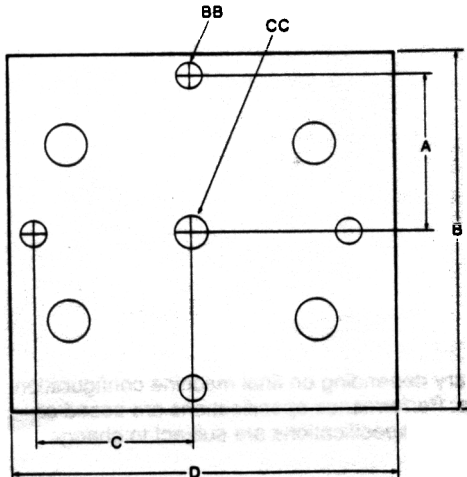
Moving Platen



3.50 c.c. 7" cc



Ejector Bar



	in.	mm.
A	3.50	88.9
B	8.00	203.2
C	3.50	88.9
D	8.58	218.0

	in.	mm.
A	24.80	630.0
B	16.14	410.0
C	3.50	88.9
D	3.00	76.2
E	5.00	127.0
F	7.00	177.8
G	9.00	228.6
H	3.50	88.9
I	3.00	76.2
J	5.00	127.0
K	7.00	177.8
L	10.00	254.0
M	22.83	580.0
N	14.17	360.0
AA	.625-11 UNC-2B 1.22" DP (52 holes)	
BB	1.063 in. (27.0 mm.) thru, (5 holes) Corresponding hole in K/O, .562 in. (14.29 mm.) thru (4 holes)	
CC	Corresponding hole in K/O, .750-10 UNC-2B thru	

BEN

Injection Unit Specifications

VT 110

	English			Metric		
Screw Performance						
Low Torque Screw Speed, Max.	rpm	299		rpm	299	
Low Torque at Screw	in-lb	6,760		Nm	764	
		@2500 psi			@172 Bar	
Hi Torque Screw Speed, Max.	rpm	212		rpm	212	
Hi Torque at Screw	in-lb	9,550		Nm	1079	
		@2500 psi			@172 Bar	
Injection Capacity, Max.						
G. P. Polystyrene	oz.	8	10	12	g.	227 283 340
Theoretical Disp.	in ³	14	18	21	cm ³	234 293 351
Injection Pressure, Max.	psi	27,463	21,698	17,580	bar	1894 1496 1212
Injection Rate	in ³ /sec	8.9	11.1	13.7	cm ³ /sec.	138 182 224
Injection Screw Stroke	in	7.1	7.1	7.1	mm	180 180 180
Screw Diameter	in	1.575	1.772	1.968	mm	40 45 50
Screw L/D Ratio		22.5:1	20:1	18:1		22.5:1 20:1 18:1

Electric and Hydraulic Specifications

	English		Metric	
Barrel Heat Control				
Number of Pyrometers (Barrel/Nozzle)		3/1		3/1
Total Heat Cap.	kw	11.4	kw	11.4
Machine Hyd. System Pressure, Max.	PSI	2,900	bar	200
Hydraulic Pump Cap. (Total)	GPM	30	L/min	114
Electric Motor	hp	20	kw	15
Oil Reservoir Capacity	gal.	68	L	258

Water Requirements

	English		Metric	
Heat Exchanger*	GPM	7	L/min	27

*Note: Based on standard motor horsepower, 85°F (29.4°C) water in, 10°F (5.5°C) temperature rise through heat exchanger.

Machine Dimensions, Overall

	English		Metric	
Length	in	226.3	mm	5749
Width	in	47.3	mm	1202
Height	in	81	mm	2057
Shipping Weight (Est.)	lbs	13,050	Kg	5919

All specifications reflect average values based on typical machine layouts. Actual figures will vary depending on final machine configuration. If you require more specific data, consult a certified installation print for your particular machine. Performance specifications are based on theoretical data. Shipping weights reflect average historical values. Due to continual improvements, specifications are subject to change without notice.