

	English	A B C			Metric	A B C		
		A	B	C		A	B	C
Injection Capacity, Max.								
G. P. Polystyrene	oz.	11	13	16	g.	311	368	453
Theoretical Disp.	in ³	19	24	29	cm ³	318	392	475
Injection Pressure, Max.	psi	27,000	21,890	18,070	bar	1862	1590	1246
Injection Rate	in ³ /sec	15.1	18.6	22.6	cm ³ /sec	247	305	307
Injection Screw Stroke	in	7.9	7.9	7.9	mm	200	200	200
Screw Diameter	in	1.772	1.968	2.165	mm	45	50	55
Screw L/D Ratio		22:1	20:1	18:1		22:1	20:1	18:1

Screw Performance								
Low Torque Screw Speed, Max.	rpm	440			rpm	440		
Low Torque at Screw	in-lb	8400			Nm	949		
		@2500 psi				@172 Bar		
Hi Torque Screw Speed, Max.	rpm	308			rpm	308		
Hi Torque at Screw	in-lb	12,000			Nm	1355		
		@2500 psi				@172 Bar		

Barrel Heat Control								
Number of Pyrometers (Barrel/Nozzle)		3/1				3/1		
Total Heat Cap.	kw	15			kw	15		

	English	A B C			Metric	A B C		
		A	B	C		A	B	C
Injection Capacity, Max.								
G. P. Polystyrene	oz.	21	29	34	g.	595	822	964
Theoretical Disp.	in ³	37	52	61	cm ³	614	849	905
Injection Pressure, Max.	psi	27,500	19,791	17,063	bar	1906	1365	1177
Injection Rate	in ³ /sec	18.4	25.7	29.8	cm ³ /sec	301	420	488
Injection Screw Stroke	in	10.2	10.2	10.2	mm	260	260	260
Screw Diameter	in	2.165	2.559	2.756	mm	55	65	70
Screw L/D Ratio		23.5:1	20:1	18.5:1		23.5:1	20:1	18.5:1

Screw Performance								
Low Torque Screw Speed, Max.	rpm	318			rpm	318		
Low Torque at Screw	in-lb	15,900			Nm	1797		
		@2500 psi				@172 Bar		
Hi Torque Screw Speed, Max.	rpm	212			rpm	212		
Hi Torque at Screw	in-lb	23,870			Nm	2698		
		@2500 psi				@172 Bar		

Barrel Heat Control								
Number of Pyrometers (Barrel/Nozzle)		3/1				3/1		
Total Heat Cap.	kw	31.6			kw	31.6		

Machine Specifications

Dimensions, Overall

	English	Metric
Length (11, 13, and 16 oz.)	in 297	mm 7547
with injection unit retracted	in 307	mm 7801
Length (21, 29, and 34 oz.)	in 303	mm 7700
with injection unit retracted	in 319	mm 8106
Width	in 59.4	mm 1510
Height	in 93.6	mm 2377
Shipping Weight (Est.)	lbs 25,790	Kg 11,698

Electric and Hydraulic

Machine Hyd. System Pressure, Max.	PSI 2,500	bar 172
Hydraulic Pump Cap. (Total)	GPM 69	L/min 261
Electric Motor	hp 50	kw 37
Oil Reservoir Capacity	gal. 113	L 428

Water Requirements

Heat Exchanger*	GPM 13	L/min 49
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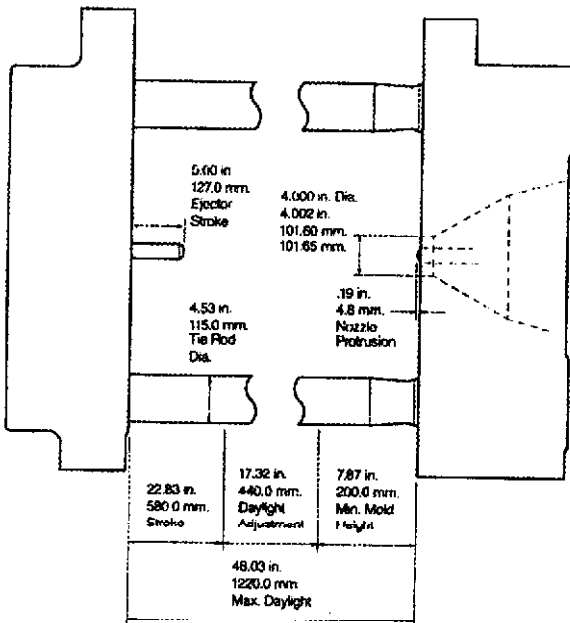
*Note: Based on standard motor horsepower, 85°F (29.4°C) water in, 10°F (5.5°C) temperature rise through heat exchanger.

Clamp Specifications

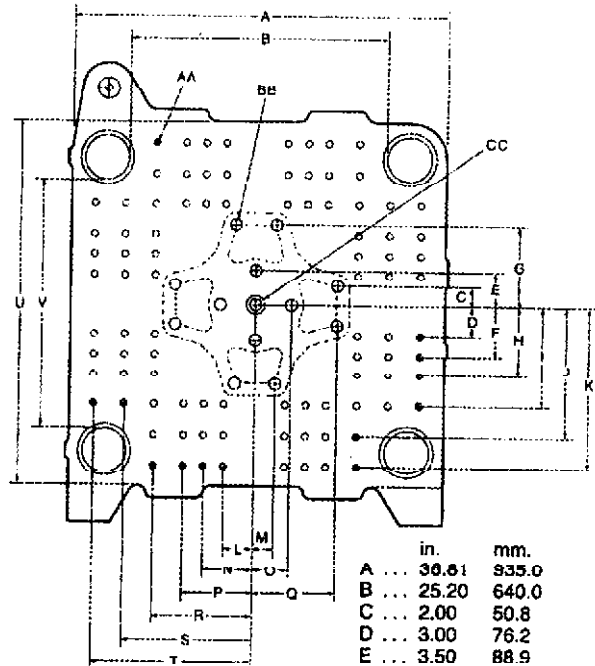
	English		Metric	
Clamp Force	Tons	300	Tons	275
Maximum Daylight	in	48	mm	1220
Mold Height Maximum/Minimum	in	25.2/7.9	mm	640/200
Clamp Stroke	in	22.6	mm	580
Clamp Speed				
*Dry cycle time (typical)	sec	2.3	sec	2.3
Platen Size (H x V)	in	36.8 x 36.2	mm	935 x 920
Distance between Tie Rods (H x V)	in	25.2 x 24.6	mm	640 x 625
Tie Rod Diameter	in	4.53	mm	115
Hydraulic Ejection System				
Eject Force	Tons	8.3	Tons	7.55
Stroke (Max.)	in	5	mm	127

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

Die Space

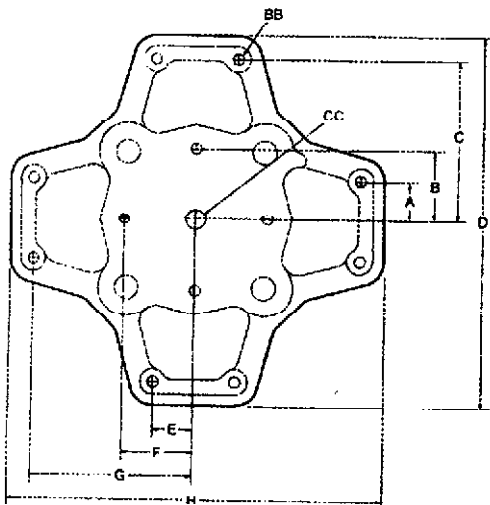


Moving Platen



	in.	mm.
A ...	36.81	935.0
B ...	25.20	640.0
C ...	2.00	50.8
D ...	3.00	76.2
E ...	3.50	88.9
F ...	5.00	127.0
G ...	8.00	203.2
H ...	7.00	177.8
I ...	10.00	254.0
J ...	13.00	330.2
K ...	16.00	406.4
L ...	3.00	76.2
M ...	2.00	50.8
N ...	5.00	127.0
O ...	3.50	88.9
P ...	7.00	177.8
Q ...	8.00	203.2
R ...	10.00	254.0
S ...	13.00	330.2
T ...	16.00	406.4
U ...	36.22	920.0
V ...	24.61	625.0
AA625-11 UNC-2B 1.22" DP (92 holes)	
BB ..	1.063 in. (27.0 mm.) thru, (12 holes) Corresponding hole in K/O, .562 in. (14.29 mm.) thru (12 holes)	
CC ..	1.812 in. (46.02 mm.) thru Corresponding hole in K/O, 1.250 7 UNC-2B	

Ejector Bar



	in.	mm.
A ...	2.00	50.8
B ...	3.50	88.9
C ...	8.00	203.2
D ...	18.36	466.4
E ...	2.00	50.8
F ...	3.50	88.9
G ...	8.00	203.2
H ...	18.36	466.4