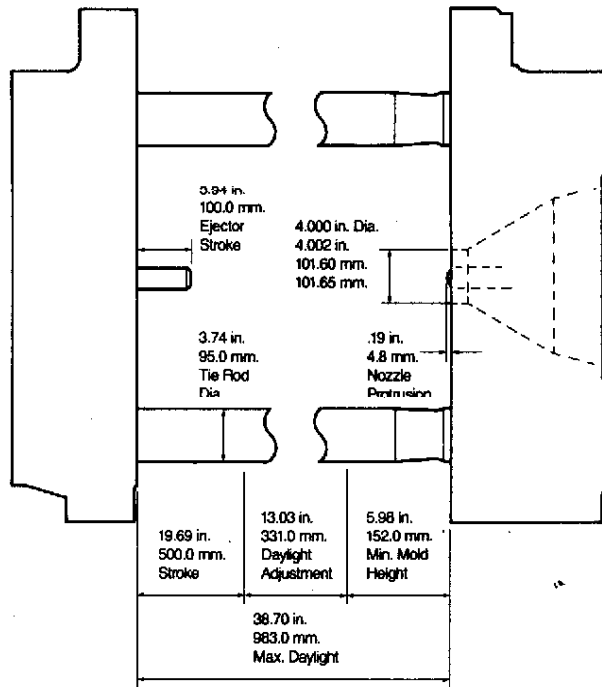


# Clamp Specifications

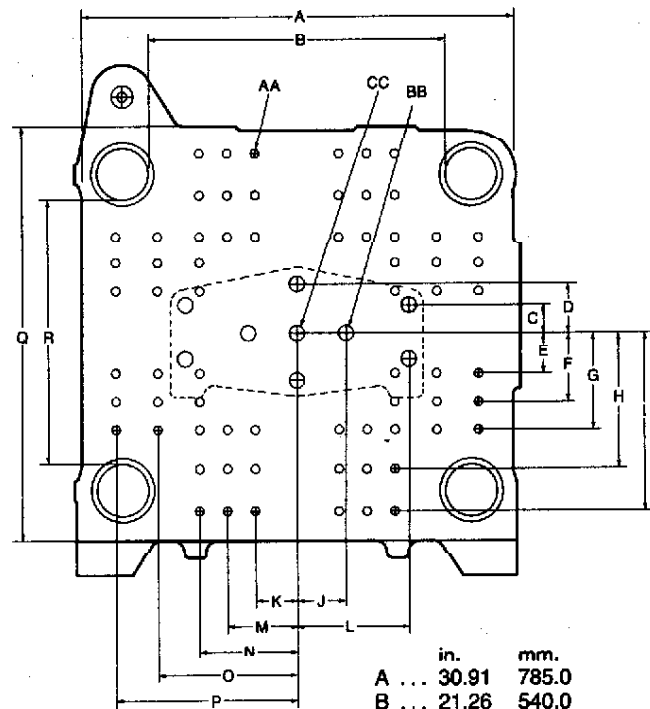
	English		Metric
Clamp Force .....	Tons	220	Tons 200
Maximum Daylight .....	in	38.7	mm 983
Mold Height Maximum/Minimum .....	in	19/6	mm 483/152
Clamp Stroke .....	in	19.7	mm 500
Clamp Speed			
*Dry cycle time (typical) .....	sec	2.2	sec 2.2
Platen Size (H x V) .....	in	30.9 x 30.1	mm 785 x 765
Distance between Tie Rods (H x V) .....	in	21.3 x 19.3	mm 540 x 490
Tie Rod Diameter .....	in	3.7	mm 95
Hydraulic Ejection System			
Eject Force .....	Tons	6.1	Tons 5.5
Stroke (Max.) .....	in	3.9	mm 100

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

## Die Space

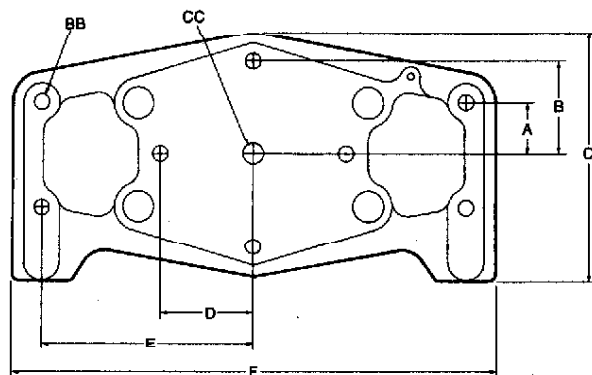


## Moving Platen



	in.	mm.
A ...	30.91	785.0
B ...	21.26	540.0
C ...	2.00	50.8
D ...	3.50	88.9
E ...	3.00	76.2
F ...	5.00	127.0
G ...	7.00	177.8
H ...	10.00	254.0
I ...	13.00	330.2
J ...	3.50	88.9
K ...	3.00	76.2
L ...	8.00	203.2
M ...	5.00	127.0
N ...	7.00	177.8
O ...	10.00	254.0
P ...	13.00	330.2
Q ...	30.12	765.0
R ...	19.29	490.0
AA ...	.625-11 UNC-2B	
	1.22" DP (68 holes)	
BB ..	1.063 in. (27.0 mm.)	
	thru, (8 holes)	
	Corresponding hole in K/O,	
	.562 in. (14.29 mm.)	
	thru (8 holes)	
CC ..	1.438 in. (36.53 mm.) thru	
	Corresponding hole in K/O,	
	1.000-8 UNC-2B	

## Ejector Bar



	in.	mm.
A ...	2.00	50.8
B ...	3.50	88.9
C ...	9.45	240.0
D ...	3.50	88.9
E ...	8.00	203.2
F ...	18.25	463.6

## Injection Unit Specifications

	English	A B C			Metric	A B C		
		A	B	C		A	B	C
<b>Injection Capacity, Max.</b>								
G. P. Polystyrene	oz.	8	10	12	g.	227	283	340
Theoretical Disp.	in <sup>3</sup>	14	18	21	cm <sup>3</sup>	226	286	353
Injection Pressure, Max.	psi	27,100	21,400	17,400	bar	1869	1475	1200
Injection Rate	in <sup>3</sup> /sec	11.1	14.0	17.3	cm <sup>3</sup> /sec	182	230	283
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
<b>Screw Performance</b>								
Low Torque Screw Speed, Max.	rpm	405			rpm	405		
Low Torque at Screw	in-lb	6,760			Nm	764		
		@2500 psi				@172 Bar		
Hi Torque Screw Speed, Max.	rpm	288			rpm	288		
Hi Torque at Screw	in-lb	9,550			Nm	1079		
		@2500 psi				@172 Bar		
<b>Barrel Heat Control</b>								
Number of Pyrometers (Barrel/Nozzle)		3/1				3/1		
Total Heat Cap.	kw	11.4			kw	11.4		
<b>Injection Capacity, Max.</b>								
G. P. Polystyrene	oz.	17	20	28	g.	482	567	794
Theoretical Disp.	in <sup>3</sup>	30	30	50	cm <sup>3</sup>	491	593	829
Injection Pressure, Max.	psi	27,512	22,737	16,278	bar	1897	1568	1123
Injection Rate	in <sup>3</sup> /sec	15.6	18.9	26.4	cm <sup>3</sup> /sec	256	310	433
Injection Screw Stroke	in	9.8	9.8	9.8	mm	250	250	250
Screw Diameter	in	1.968	2.165	2.559	mm	50	55	65
Screw L/D Ratio		22:1	20:1	17:1		22:1	20:1	17:1
<b>Screw Performance</b>								
Low Torque Screw Speed, Max.	rpm	339			rpm	339		
Low Torque at Screw	in-lb	11,940			Nm	1349		
		@2500 psi				@172 Bar		
Hi Torque Screw Speed, Max.	rpm	226			rpm	226		
Hi Torque at Screw	in-lb	17,900			Nm	2023		
		@2500 psi				@172 Bar		
<b>Barrel Heat Control</b>								
Number of Pyrometers (Barrel/Nozzle)		3/1				3/1		
Total Heat Cap.	kw	19.2			kw	19.2		

## Machine Specifications

### Dimensions, Overall

	English		Metric	
Length (8, 10, and 12 oz.)	in	268	mm	6815
with injection unit retracted	in	284	mm	7221
Length (17, 20, and 28 oz.)	in	272	mm	6922
with injection unit retracted	in	288	mm	7328
Width	in	54.8	mm	1392
Height	in	89.1	mm	2264
Shipping Weight (Est.)	lbs	18,300	Kg	8235

### Electric and Hydraulic

Machine Hyd. System Pressure, Max.	PSI	2,750	bar	190
Hydraulic Pump Cap. (Total)	GPM	58	L/min	219
Electric Motor	hp	40	kw	30
Oil Reservoir Capacity	gal.	113	L	428

### Water Requirements

Heat Exchanger*	GPM	10	L/min	38
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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.