

## INJECTION UNIT SPECIFICATIONS

28 mm

	English	A'	A	B	C	Metric	A'	A	B	C
Theoretical Injection Capacity, Max. G.P. Styrene	oz.		2.27	2.97	3.76	g.	64.44	84.16	106.52	
Displacement	in <sup>3</sup>		4.13	5.40	6.93	cm <sup>3</sup>	67.73	88.46	111.96	
Injection Pressure, Max.	psi		30,000	22,980	18,156	bar	2068	1584	1252	
Injection Rate	in <sup>3</sup> /sec		6.54	8.54	10.80	cm <sup>3</sup> /sec	107.17	139.94	176.98	
Injection Screw Stroke	in		4.33	4.33	4.33	mm	110.00	110.00	110.00	
Screw Diameter	in		1.10	1.26	1.42	mm	28.00	32.00	36.00	
Screw L/D Ratio			23:1	20:1	18:1		23:1	20:1	18:1	
Screw Performance										
Screw Speed, Max.	rpm		400	400	400	rpm	400	400	400	
Torque at Screw @ psi	in-lb		2400	4800	4800	Nm	271	542	542	
			2475	2475	2475	@ bar	170	170	170	
Barrel Heat Control										
Number of Pyrometers (Barrel/Nozzle)			3/1	3/1	3/1		3/1	3/1	3/1	
Total Heat Capacity	kw		5.36	5.36	5.36	kw	5.36	5.36	5.36	

32 mm

	English	A'	A	B	C	Metric	A'	A	B	C
Theoretical Injection Capacity, Max. G.P. Styrene	oz.		3.51	4.44	6.04	g.	99.47	125.89	171.35	
Displacement	in <sup>3</sup>		6.38	8.07	10.99	cm <sup>3</sup>	104.55	132.32	180.10	
Injection Pressure, Max.	psi		30,000	23,688	17,424	bar	2068	1634	1201	
Injection Rate	in <sup>3</sup> /sec		6.41	8.11	11.03	cm <sup>3</sup> /sec	105.04	132.90	180.74	
Injection Screw Stroke	in		5.12	5.12	5.12	mm	130.00	130.00	130.00	
Screw Diameter	in		1.26	1.42	1.65	mm	32.00	36.00	42.00	
Screw L/D Ratio			23:1	20:1	17:1		23:1	20:1	17:1	
Screw Performance										
Screw Speed, Max.	rpm		393	312	312	rpm	393	312	312	
Torque at Screw @ psi	in-lb		4800	6120	6120	Nm	542	691	691	
			2475	2500	2500	@ bar	170	172	172	
Barrel Heat Control										
Number of Pyrometers (Barrel/Nozzle)			3/1	3/1	3/1		3/1	3/1	3/1	
Total Heat Capacity	kw		6.95	6.95	6.95	kw	6.95	6.95	6.95	

40 mm

	English	A'	A	B	C	Metric	A'	A	B	C
Theoretical Injection Capacity, Max. G.P. Styrene	oz.	4.86	7.59	9.61	11.86	g.	137.78	215.19	272.36	336.24
Displacement	in <sup>3</sup>	8.83	13.79	17.46	21.56	cm <sup>3</sup>	144.70	226.19	286.27	353.42
Injection Pressure, Max.	psi	34,000	26,988	21,324	17,272	bar	2345	1861	1471	1191
Injection Rate	in <sup>3</sup> /sec	4.64	7.24	9.17	11.32	cm <sup>3</sup> /sec	76.04	118.76	150.31	185.56
Injection Screw Stroke	in	7.09	7.09	7.09	7.09	mm	180.00	180.00	180.00	180.00
Screw Diameter	in	1.26	1.57	1.77	1.97	mm	32.00	40.00	45.00	50.00
Screw L/D Ratio		28:1	23:1	20:1	18:1		28:1	23:1	20:1	18:1
Screw Performance										
Screw Speed, Max.	rpm	301	301	232	184	rpm	301	301	232	184
Torque at Screw @ psi	in-lb	4800	6120	7920	9970	Nm	542	691	895	1126
	1960	2500	2500	2500	@ bar	135	172	172	172	
Barrel Heat Control										
Number of Pyrometers (Barrel/Nozzle)		3/1	3/1	3/1	3/1		3/1	3/1	3/1	3/1
Total Heat Capacity	kw	13.03	13.03	13.03	13.03	kw	13.03	13.03	13.03	13.03

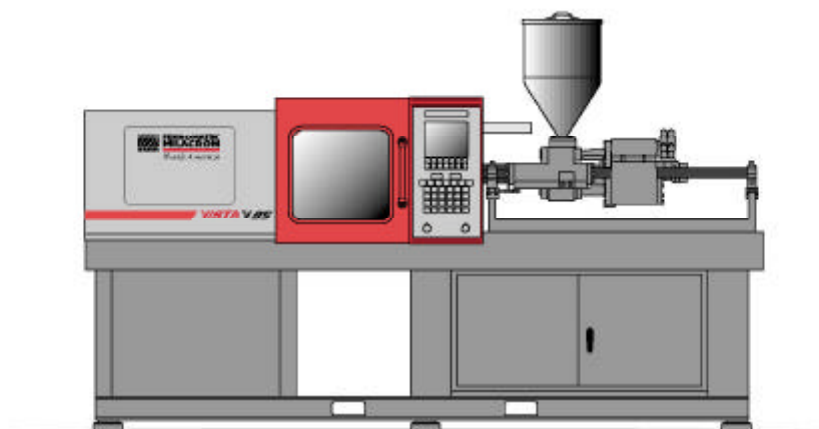
# INJECTION MOLDING MACHINE

## MACHINE SPECIFICATIONS

Dimensions Overall	English	20/32 mm	40 mm	Metric	20/32 mm	40 mm
	Length	in	147.4	167.2	mm	3743
Width	in	51.7	51.7	mm	1314	1314
Height	in	82.7	83.5	mm	2100	2120
Shipping Weight (Est.)	lbs	6950	8180	Kg	3152	3714
Electric and Hydraulic						
Machine Hyd. Sys. Pressure, Max.	psi	2900		bar	200	
Hydraulic Pump Cap. @100 psi (Total)	gpm	20.8		L/min	78.73	
Electric Motor	hp	25		kw	18.6	
Total Oil Reservoir Capacity	gal.	55		L	208	
Water Requirements						
Heat Exchanger	gpm	10		L/min	37.85	

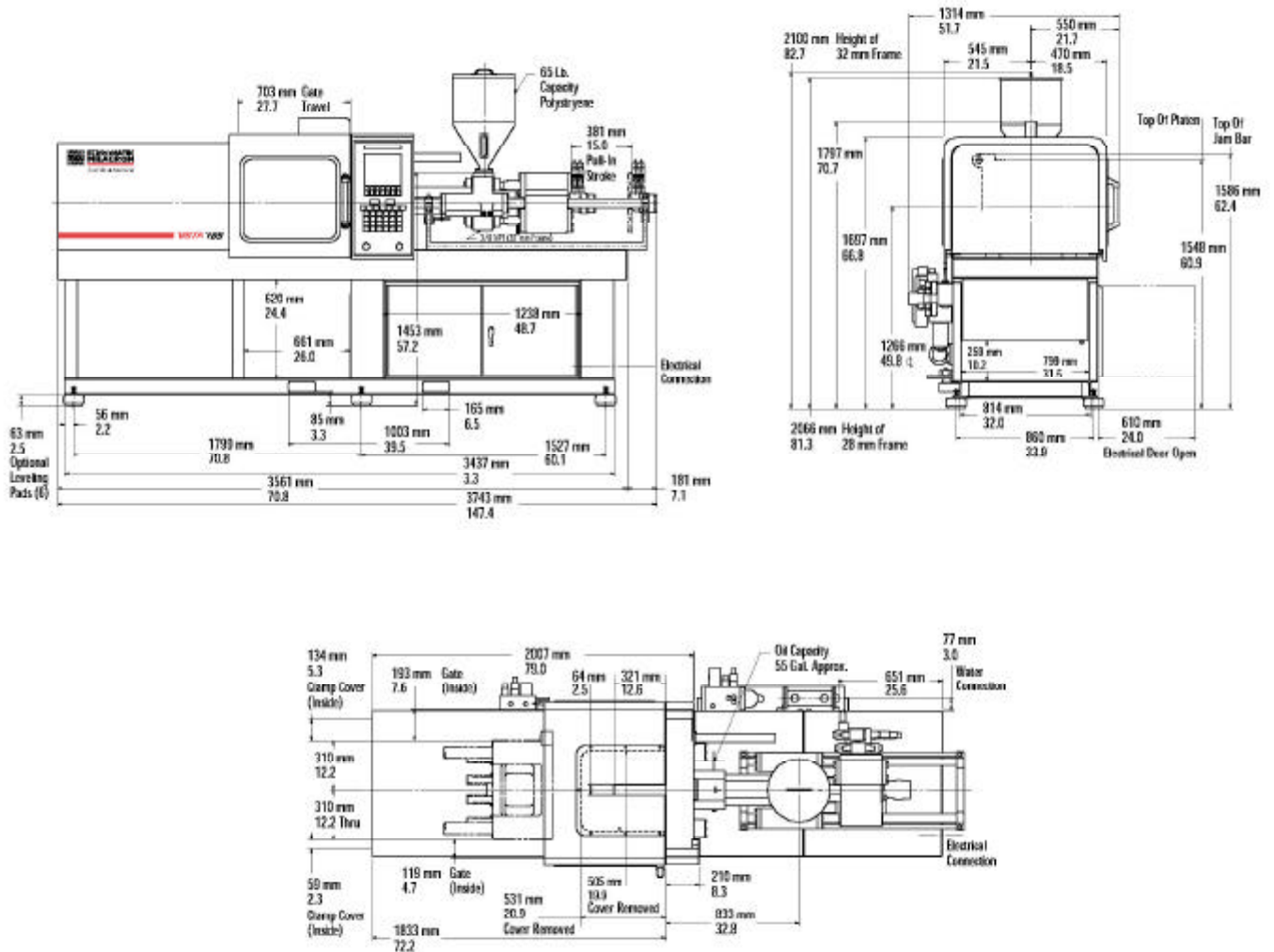
## CLAMP UNIT SPECIFICATIONS

	English	Metric
Clamp Force	tons	85
Clamp Stroke	in	12.2
Maximum Daylight	in	27.95
Mold Height Max./Min.	in	15.75/5.91
Platen Size (HxV)	in	24.41 x 22.54
Distance between Tie Rods (HxV)	in	15.94 x 14.17
Tie Rod Diameter	in	2.76
Ejector Stroke (Max.)	in	4.72
Ejector Force	tons	3.7



**MACHINE TEMPLATE**

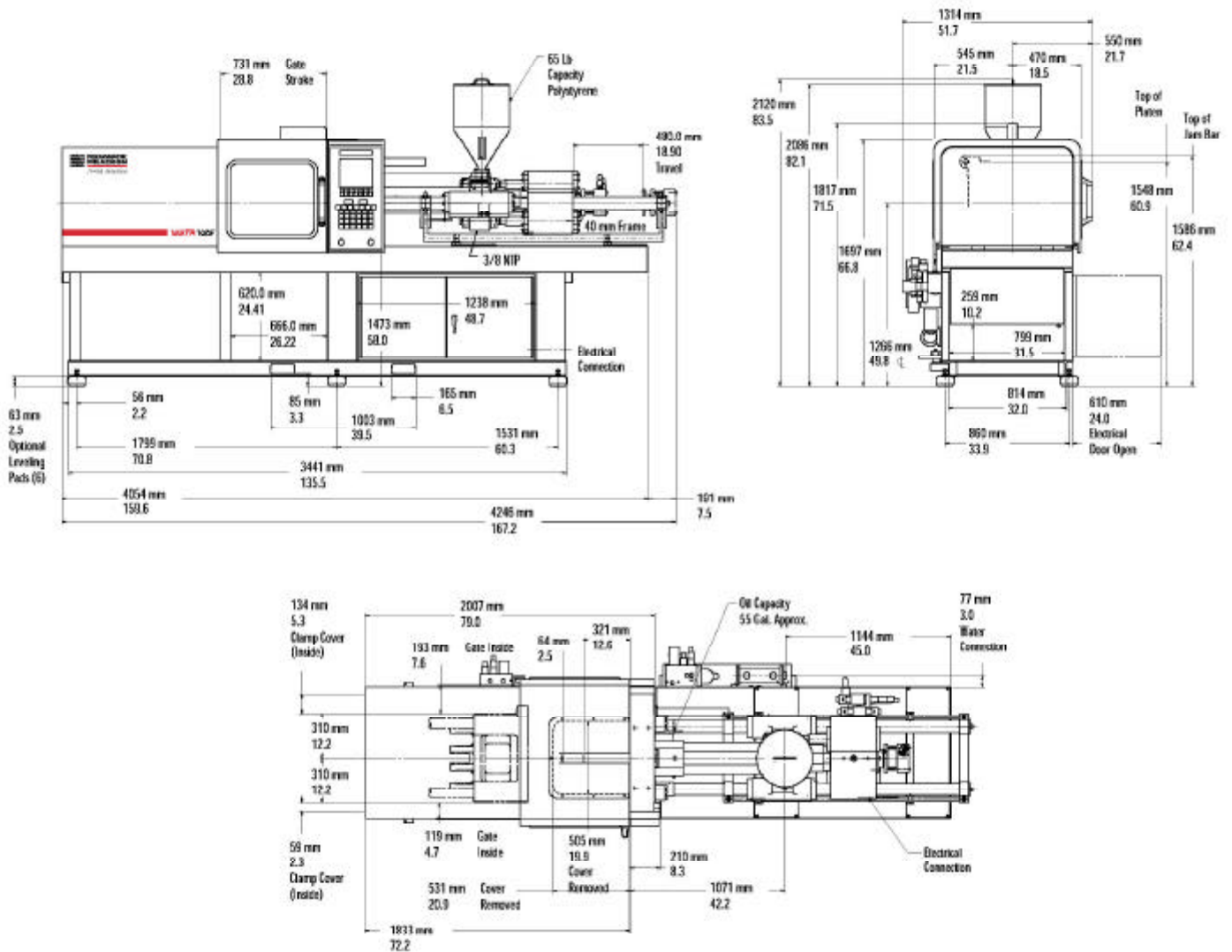
28 mm / 32 mm



# INJECTION MOLDING MACHINE

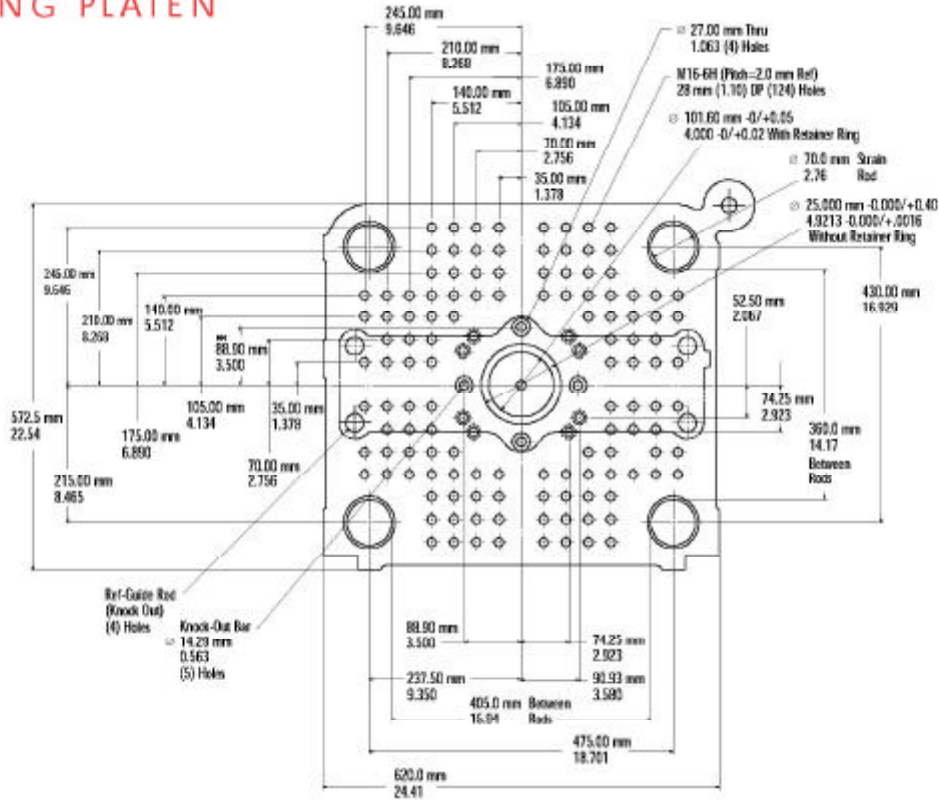
## MACHINE TEMPLATE

40 mm



# INJECTION MOLDING MACHINE

## MOVING PLATEN



## DIE SPACE

