

Titan Model 1760

Demag Plastics Group		Titan Model 1760		
Model Description		Titan Model 1760		
International Size Description		13600	19000	29000

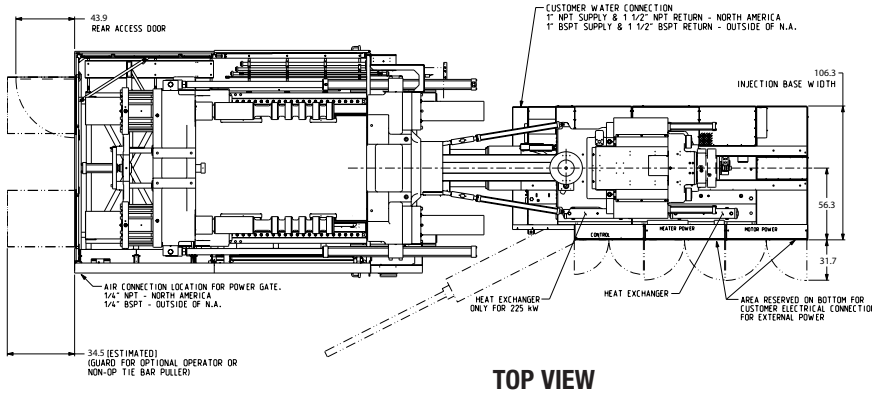
Clamp Unit				
Clamp Force	U.S. tons kN		1760	16000
Open Force	U.S. tons kN		118	1054
Clamp Stroke - Max.	in. mm		94.9	2410
Mold Thickness - Min.	in. mm		28.5	725
Mold Thickness - Max.	in. mm		67.9	1725
Open Daylight - Max.	in. mm		123.4	3135
Platen Size				
Horizontal	in. mm		97.6	2480
Vertical	in. mm		82.7	2100
Distance Between Tie Bars				
Horizontal	in. mm		72.0	1830
Vertical	in. mm		55.1	1400
Ejector Stroke	in. mm		15.7	400
Ejector Force	U.S. tons kN		54.0	483
Clamp Speeds				
Closing	in./sec. mm/sec.	19.1 485	19.1 485	28.4 722
Opening	in./sec. mm/sec.	20.5 521	20.5 521	30.5 775

Injection Unit		13600		19000		29000	
Measure		HiPr	Std.	HiPr	Std.	HiPr	Std.
Screw Diameter	in. mm	4.33 110	5.12 130	5.12 130	5.71 145	5.71 145	6.50 165
Screw L/D Ratio		20/1		20/1		20/1	
Injection Capacity (GPPS)	oz. g	187 5303	261 7406	287 8147	358 10,136	412 11,671	533 15,113
Injection Capacity	cu. in. ccm	348 5702	486 7964	535 8760	665 10,899	766 12,550	992 16,251
Recovery Rate (GPPS)	oz./sec. g/sec	4.2 120	6.2 177	4.7 134	6.1 174	6.8 192	9.2 261
Injection Pressure	psi bar	34,673 2391	24,825 1712	31,600 2179	25,400 1751	33,448 2306	25,830 1781
Injection Rate (@ 1740 psi) (@120 bar)	cu. in./sec. ccm/sec	55.9 917	78.1 1280	61.4 1006	76.4 1251	89.4 1464	115.8 1896
Injection Stroke	in. mm	23.6 600		26.0 660		29.9 760	
Maximum Screw Speed	rpm	124		95		104	
Back Pressure Adjust	psi bar	75-300 5-20		75-300 5-20		75-300 5-20	
Barrel Heating Capacity	kW	79	94	97	116	123	147

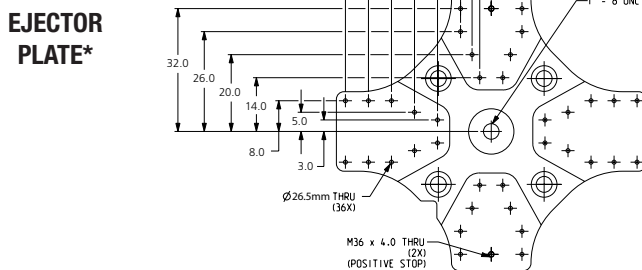
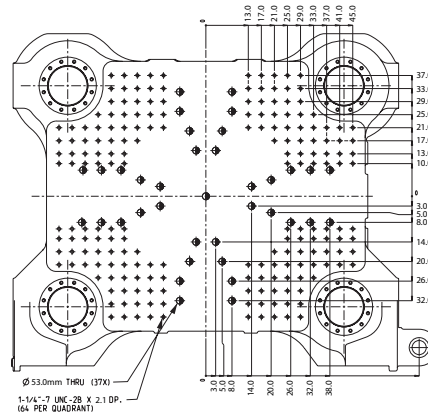
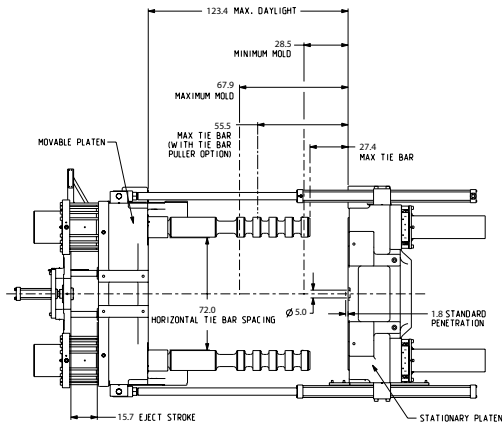
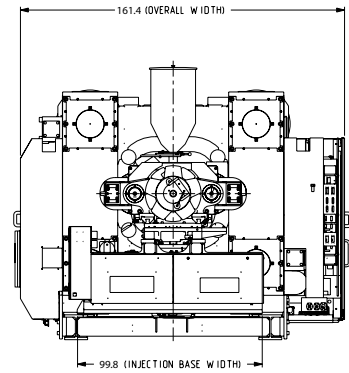
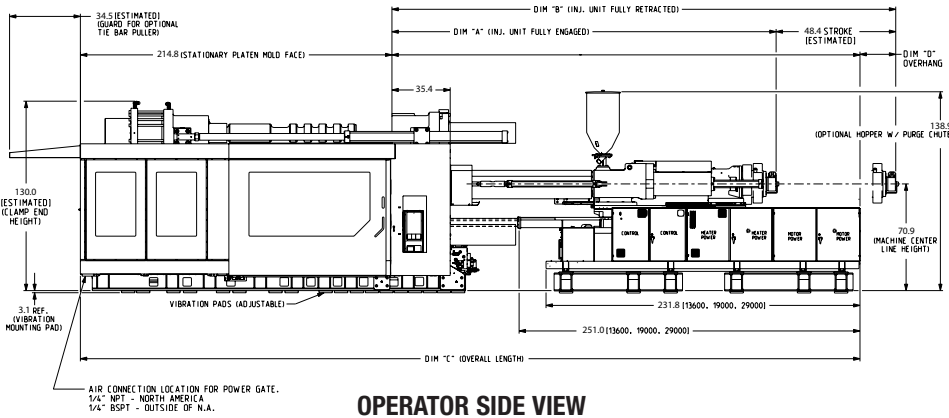
General Machine Specifications		13600		19000		29000	
Measure							
Oil Tank Capacity	gal. Liter	661	2500	661	2500	661	2500
Pump Motor	Hp kW	221	165	221	165	302	225
Pump Capacity (@100 psi) (@7 bar)	gpm LPM	210	796	210	796	313	1184
Machine Weight (approx.)	lb. kg	234,500	106,463	243,000	110,322	264,500	120,083
Machine Dimensions							
Length (approx.)	ft. m	43.0	13.1	43.3	13.2	46.3	14.1
Width (approx.)	ft. m	13.5	4.1	13.5	4.1	13.5	4.1
Height (approx.)	ft. m	10.8	3.3	10.8	3.3	10.8	3.3

Performance specifications are based on theoretical data and mold, material and conditions. Since continuous improvement is the policy of Demag Plastics Group, we reserve the right to change specifications, designs and performance data without prior notice or obligation.

The specifications listed are standard. However, Demag Plastics Group will provide engineered options and solutions to meet virtually any performance requirements including high-speed configurations.



Injection Unit	"A" (in.)	"B" (in.)	"C" (in.)	"D" (in.)
STANDARD BARREL				
110mm 20:1 13600	205.7	254.1	515.2	-46.3
110mm 25:1 13600	227.3	275.7	515.2	-24.6
130mm 20:1 13600	223.5	272.0	515.2	-28.4
130mm 25:1 13600	249.1	297.6	515.2	-2.8
130mm 20:1 19000	240.8	289.3	515.2	-11.1
130mm 25:1 19000	279.2	327.6	515.2	27.2
145mm 20:1 19000	254.5	302.9	515.2	2.5
145mm 25:1 19000	290.4	338.8	515.2	38.4
165mm 20:1 29000	286.6	335.0	553.3	-3.5
165mm 25:1 29000	319.1	367.5	553.3	28.9



* SPI Specifications. Refer to Appendix for Euromap specifications.