

Injection Unit		English							Metric							
Injection Capacity Maximum GPPS	Ounces	4.01	5.08	6.27	8.90	10.59	14.69	21.28	Grams	114	144	178	252	300	416	603
Theoretical Displacement	In ³	7.4	9.3	11.5	16.3	19.4	27.0	39.0	Cm ³	121	153	188	268	318	442	640
Maximum Injection Pressure	PSI	40,611	40,611	37,710	31,908	27,557	23,206	20,305	Bar	2800	2800	2600	2200	1900	1600	1400
Maximum Pack Pressure	PSI	40,611	40,611	37,710	31,908	27,557	23,206	20,305	Bar	2800	2800	2600	2200	1900	1600	1400
Maximum Injection Velocity	In/Sec	12.99	12.99	12.99	12.99	12.99	12.99	12.99	Cm/Sec	33	33	33	33	33	33	33
Maximum Injection Rate	In ³ /Sec	16.19	20.49	25.30	30.61	36.43	42.76	49.60	Cm ³ /Sec	265	175	415	502	597	701	813
Screw Stroke	In	5.91	5.91	5.91	6.93	6.93	8.19	10.24	mm	150	150	150	176	176	208	260
Screw Diameter	In	1.26	1.42	1.57	1.73	1.89	2.05	2.20	mm	32	36	40	44	48	52	56
Screw L/D Ratio	L/D	20:1	20:1	20:1	20:1	20:1	20:1	20:1	L/D	20:1	20:1	20:1	20:1	20:1	20:1	20:1
Screw Speed Maximum	min ⁻¹	400	400	400	400	400	400	400	min ⁻¹	400	400	400	400	400	400	400
Nozzle Touch Force	US Tons	3.3	3.3	3.3	3.3	3.3	3.3	3.3	Tons	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Number of Pyrometers (barrel/nozzle)		3 / 1	3 / 1	3 / 1	3 / 1	3 / 1	3 / 1	3 / 1		3 / 1	3 / 1	3 / 1	3 / 1	3 / 1	3 / 1	3 / 1
Total Heat Capacity	kW	12.0	13.0	14.9	15.9	17.9	20.2	20.2	kW	12.0	13.0	14.9	15.9	17.9	20.2	20.2
Clamping Unit		Standard			Optional			Standard			Optional					
Clamping Force	US Tons	275			330			kN	2500			3000				
Mold Opening Stroke	In	23.62			23.62			mm	600			600				
Clamp Speed	In/Sec	15.75			15.75			mm/sec	400			400				
Dry Cycle Time @ 50% Stroke	Seconds	2.39			2.39			Seconds	2.39			2.39				
Maximum Daylight	In	49.21			53.15			mm	1250			1350				
Minimum/Maximum Mold Thickness	In	11.8 ~ 25.6			11.8 ~ 25.6			mm	300 ~ 650			400 ~ 750				
Minimum Mold Size	In	16.5 x 15.2			16.5 x 15.2			mm	420 x 385			420 x 385				
Maximum Mold Weight	Lbs	5,071			5,071			Kg	2300			2300				
Platen Size (H x V)	In	40.6 x 37.8			40.6 x 37.8			mm	1030 x 960			1030 x 960				
Distance Between Tie Rods (H x V)	In	28.0 x 25.0			28.0 x 25.0			mm	710 x 635			710 x 635				
Tie Rod Diameter	In	5.12			5.12			mm	130			130				
Eject Stroke Maximum	In	7.87			7.87			mm	200			200				
Ejector Force	US Tons	8.8			8.8			kN	80			80				
Mold Locating Ring Inside Diameter	In	4.00			4.00			mm	101.6			101.6				
General Data		32 - 48mm			52mm			32 - 48mm			52mm					
Length Overall	In	257.8			251.1			mm	6548			6377				
Width Overall	In	68.2			68.2			mm	1733			1733				
Height Overall	In	78.4			78.4			mm	1992			1992				
Weight	Lbs	30,203			30,203			Kg	13700			13700				
Input Power	Ph/Volt	3 Phase, 220 +/- 10%, 60 Hz +/- 1Hz			200V +/- 10% 50/60 Hz +/- 1 Hz			Ph/Volt	3 Phase, 220 +/- 10%, 60 Hz +/- 1Hz			200V +/- 10% 50/60 Hz +/- 1 Hz				
Breaker Size (machine only)	Amp	125			125			Amp	125			125				
Breaker Size (with outlets or mold heater)	Amp	225			225			Amp	225			225				
Machine	kva	82.5			82.5			kva	82.5			82.5				
External Outlet	kva	35.0			35.0			kva	35.0			35.0				
Maximum Total Capacity	kva	117.5			117.5			kva	117.5			117.5				