

# ROBOSHOT S2000i 110B



Injection Unit		English						Metric						
Injection Capacity Maximum GPPS	Ounces	0.95	1.68	1.95	3.42	4.87	6.02	Grams	27	48	55	97	138	171
Theoretical Displacement	In <sup>3</sup>	1.7	3.1	3.6	6.3	8.9	11.0	Cm <sup>3</sup>	29	50	58	103	147	181
Maximum Injection Pressure	PSI	37,710	37,710	34,809	31,908	27,557	23,206	Bar	2600	2600	2400	2200	1900	1600
Maximum Pack Pressure	PSI	37,710	37,710	31,908	29,008	24,656	20,305	Bar	2600	2600	2200	2000	1700	1400
Maximum Injection Velocity	In/Sec	12.99	12.99	12.99	12.99	12.99	12.99	Cm/Sec	33	33	33	33	33	33
Maximum Injection Rate	In <sup>3</sup> /Sec	7.65	10.69	12.40	16.19	20.49	25.26	Cm <sup>3</sup> /Sec	125	175	203	265	336	414
Maximum Injection Pressure (increased rate)	PSI	37,710	37,710	34,809	31,908	24,656	24,656	Bar	2600	2600	2400	2200	1700	1700
Maximum Pack Pressure (increased rate)	PSI	37,710	37,710	31,908	29,008	24,656	21,756	Bar	2600	2600	2200	2000	1700	1500
Maximum Injection Velocity (increased rate)	In/Sec	19.69	19.69	19.69	19.69	19.69	7.87	Cm/Sec	50	50	50	50	50	20
Maximum Injection Rate (increased rate)	In <sup>3</sup> /Sec	11.60	16.20	18.78	24.53	31.05	15.31	Cm <sup>3</sup> /Sec	190	265	308	402	509	251
Screw Stroke	In	2.95	3.74	3.74	5.04	5.67	5.67	mm	75	95	95	128	144	144
Screw Diameter	In	0.87	1.02	1.10	1.26	1.42	1.57	mm	22	26	28	32	36	40
Screw L/D Ratio	L/D	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
Screw Speed Maximum	min <sup>-1</sup>	450	450	450	450	450	450	min <sup>-1</sup>	450	450	450	450	450	450
Screw Speed Maximum (increased rate)	min <sup>-1</sup>	450	450	450	450	450	450	min <sup>-1</sup>	450	450	450	450	450	450
Nozzle Touch Force	US Tons	1.65	1.65	1.65	1.65	1.65	1.65	Tons	1.5	1.5	1.5	1.5	1.5	1.5
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
Total Heat Capacity	kW	3.8	6.5	7.2	8.4	9.1	10.1	kW	3.5	3.8	6.5	7.2	8.4	10.1
Clamping Unit		Standard			Optional			Standard			Optional			
Clamping Force	US Tons	110			137.5			kN	1000			1250		
Mold Opening Stroke	In	13.78			13.78			mm	350			350		
Clamp Speed	In/Sec	18.0			12.6			mm/sec	458			320		
Dry Cycle Time @ 50% Stroke	Seconds	1.59			1.59			Seconds	1.59			1.59		
Maximum Daylight	In	31.50			35.43			mm	800			900		
Minimum/Maximum Mold Thickness	In	5.9 ~ 17.7			9.9 ~ 21.7			mm	150 ~ 450			250 ~ 550		
Minimum Mold Size	In	10.4 x 9.4			10.4 x 9.4			mm	265 x 240			265 x 240		
Maximum Mold Weight	Lbs	1,455			1,455			Kg	660			660		
Platen Size (H x V)	In	26.0 x 24.0			26.0 x 24.0			mm	660 x 610			660 x 610		
Distance Between Tie Rods (H x V)	In	18.1 x 16.1			18.1 x 16.1			mm	460 x 410			460 x 410		
Tie Rod Diameter	In	2.76			2.76			mm	70			70		
Eject Stroke Maximum	In	3.94			3.94			mm	100			100		
Ejector Force	US Tons	2.75			2.75			kN	25			25		
Mold Locating Ring Inside Diameter	In	4.00			4.00			mm	101.6			101.6		
General Data		Standard			Optional Increased Rate			Standard			Optional Increased Rate			
Length Overall	In	177.1			198.0			mm	4499			5028		
Width Overall	In	46.5			46.5			mm	1181			1181		
Height Overall	In	65.5			65.5			mm	1663			1663		
Weight	Lbs	9,259			9,590			Kg	4200			4350		
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	50			125			Amp	50			125		
Breaker Size (with outlets or mold heater)	Amp	150			225			Amp	150			225		
Machine	kva	27.3			54.5			kva	27.3			54.5		
External Outlet	kva	35.0			35.0			kva	35.0			35.0		
Maximum Total Capacity	kva	62.3			89.5			kva	62.3			89.5		