

# ROBOSHOT S2000i 165B



Injection Unit		English						Metric						
Injection Capacity Maximum GPPS	Ounces	4.01	5.08	6.27	8.90	10.59	14.69	Grams	114	144	178	252	300	416
Theoretical Displacement	In <sup>3</sup>	7.4	9.3	11.5	16.3	19.4	27.0	Cm <sup>3</sup>	121	153	188	268	318	442
Maximum Injection Pressure	PSI	40,611	40,611	37,710	31,908	27,557	23,206	Bar	2800	2800	2600	2200	1900	1600
Maximum Pack Pressure	PSI	40,611	40,611	37,710	31,908	27,557	23,206	Bar	2800	2800	2600	2200	1900	1600
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	16.19	20.49	25.30	30.61	36.43	42.76	Cm <sup>3</sup> /Sec	265	175	415	502	597	701
Screw Stroke	In	5.91	5.91	5.91	6.93	6.93	8.19	mm	150	150	150	176	176	208
Screw Diameter	In	1.26	1.42	1.57	1.73	1.89	2.05	mm	32	36	40	44	48	52
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>	400	400	400	400	400	400	min <sup>-1</sup>	400	400	400	400	400	400
Nozzle Touch Force	US Tons	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
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	12.0	13.0	14.9	15.9	17.9	20.2	kW	12.0	13.0	14.9	15.9	17.9	20.2
Clamping Unit		Standard			Optional			Standard			Optional			
Clamping Force	US Tons	165			198			kN	1500			1800		
Mold Opening Stroke	In	17.32			17.32			mm	440			440		
Clamp Speed	In/Sec	16.34			16.34			mm/sec	415			415		
Dry Cycle Time @ 50% Stroke	Seconds	1.86			1.86			Seconds	1.86			1.86		
Maximum Daylight	In	36.61			40.55			mm	930			1030		
Minimum/Maximum Mold Thickness	In	7.8 ~ 19.3			11.8 ~ 23.2			mm	200 ~ 490			300 ~ 590		
Minimum Mold Size	In	13.8 x 11.8			13.8 x 11.8			mm	350 x 300			350 x 300		
Maximum Mold Weight	Lbs	2,425			2,425			Kg	1100			1100		
Platen Size (H x V)	In	31.5 x 29.5			31.5 x 29.5			mm	800 x 750			800 x 750		
Distance Between Tie Rods (H x V)	In	22.0 x 20.0			22.0 x 20.0			mm	560 x 510			560 x 510		
Tie Rod Diameter	In	3.54			3.54			mm	90			90		
Eject Stroke Maximum	In	5.91			5.91			mm	150			150		
Ejector Force	US Tons	3.85			3.85			kN	35			35		
Mold Locating Ring Inside Diameter	In	4.00			4.00			mm	101.6			101.6		
General Data		32 - 44mm			48 - 52mm			32 - 44mm			48 - 52mm			
Length Overall	In	218.1			229.5			mm	5540			5830		
Width Overall	In	54.2			54.2			mm	1376			1376		
Height Overall	In	71.6			71.6			mm	1818			1818		
Weight	Lbs	16,755			16,755			Kg	7600			7600		
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	80.2			80.2			kva	80.2			80.2		
External Outlet	kva	35.0			35.0			kva	35.0			35.0		
Maximum Total Capacity	kva	115.2			115.2			kva	115.2			115.2		