

ROBOSHOT S2000i 330B



Injection Unit		English							Metric							
Injection Capacity Maximum GPPS	Ounces	6.27	8.90	10.59	14.69	21.29	27.81	31.40	Grams	178	252	300	416	604	788	890
Theoretical Displacement	In ³	11.5	16.3	19.4	27.0	39.1	51.0	57.6	Cm ³	188	268	318	442	640	836	944
Maximum Injection Pressure	PSI	40,611	40,611	39,160	34,809	32,633	25,382	22,481	Bar	2800	2800	2700	2400	2250	1750	1550
Maximum Pack Pressure	PSI	40,611	37,710	34,809	31,908	28,282	21,756	18,855	Bar	2800	2600	2400	2200	1950	1500	1300
Maximum Injection Velocity	In/Sec	9.45	9.45	9.45	9.45	9.45	9.45	9.45	Cm/Sec	24	24	24	24	24	24	24
Maximum Injection Rate	In ³ /Sec	18.40	22.27	26.50	31.10	36.07	47.11	53.18	Cm ³ /Sec	302	365	434	510	591	772	872
Screw Stroke	In	5.91	6.93	6.93	8.19	10.24	10.24	10.24	mm	150	176	176	208	260	260	260
Screw Diameter	In	1.57	1.73	1.89	2.05	2.20	2.52	2.68	mm	40	44	48	52	56	64	68
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	4 / 1	4 / 1	4 / 1		3 / 1	3 / 1	3 / 1	3 / 1	4 / 1	4 / 1	4 / 1
Total Heat Capacity	kW	15.4	16.8	18.3	20.1	22.9	26.2	26.2	kW	15.4	16.8	18.3	20.1	22.9	26.2	26.2
Clamping Unit		Standard			Optional			Standard			Optional					
Clamping Force	US Tons	330			385			kN	3000			3500				
Mold Opening Stroke	In	23.62			23.62			mm	600			600				
Clamp Speed	In/Sec	15.75			12.60			mm/sec	400			320				
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			15.7 ~ 29.5			mm	300 ~ 650			400 ~ 750				
Minimum Mold Size	In	20.5x 16.5			20.5 x 16.5			mm	520 x 420			520 x 420				
Maximum Mold Weight	Lbs	6,393			6,393			Kg	2900			2900				
Platen Size (H x V)	In	44.5 x 40.6			44.5 x 40.6			mm	1130 x 1030			1130 x 1030				
Distance Between Tie Rods (H x V)	In	31.9 x 28.0			31.8 x 28.0			mm	810 x 710			810 x 710				
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		40 - 56mm			64 - 68mm			40 - 56mm			64 - 68mm					
Length Overall	In	275.2			280.1			mm	6989			7114				
Width Overall	In	71.6			71.6			mm	1818			1818				
Height Overall	In	78.4			78.4			mm	1992			1992				
Weight	Lbs	32,187			32,187			Kg	14600			14600				
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	150			150			Amp	150			150				
Breaker Size (with outlets or mold heater)	Amp	225			225			Amp	225			225				
Machine	kva	97.5			97.5			kva	97.5			97.5				
External Outlet	kva	35.0			35.0			kva	35.0			35.0				
Maximum Total Capacity	kva	132.5			132.5			kva	132.5			132.5				