

ITEM		Unit	EC1100SXIII							
CLAMP	Clamping Force	tf	1000							
		US Ton	1102							
	Tie Bar Distance (HxV)	mm	1300 x 1300							
		in	51.1 x 51.1							
	Platen Dimension (HxV)	mm	1790 x 1790							
		in	70.4 x 70.4							
	Clamp Stroke	mm	1200							
		in	47.2							
	Maximum Daylight	mm	2300							
		in	90.6							
	Mold Height (Min~Max)	mm	500 ~ 1100							
		in	19.7 ~ 43.3							
	Ejector Force	tf	18.0							
		US Ton	19.8							
Ejector Stroke	mm	200								
	in	7.9								
Injection Unit			i61			i78			i120	
Barrel Code			Y	AT	B	Y	AT	B	AT	B
Screw Diameter		mm	80	95	105	95	105	120	115	125
		in	3.14	3.74	4.13	3.74	4.13	4.72	4.52	4.92
Injection Capacity		cm ³	2230	3150	3850	3530	4320	5650	6560	7750
		in ³	136	192	235	215	264	345	401	474
Shot Volume	PS	g	2050	2900	3540	3250	3980	5200	6040	7130
		oz	72.5	102.3	124.9	114.9	140.4	183.4	213.1	251.5
	PE	g	1625	2300	2810	2580	3160	4120	4790	5660
		oz	57.5	81.1	99.1	91.2	111.5	145.3	169.0	199.7
Maximum Injection Pressure		MPa	250	180	147	220	180	138	180	152
		PSI	36200	26100	21300	31800	26100	20000	26100	22000
Maximum Holding Pressure		MPa	210	150	123	183	150	115	150	127
		PSI	30400	21800	17800	26500	21800	16700	21700	18400
Injection Velocity		mm/s	150			150			140	
		in/s	5.9			5.9			5.5	
Injection Rate		cm ³ /s	753	1063	1299	1063	1299	1696	1450	1710
		in ³ /s	46.0	64.9	79.3	64.9	79.3	103.5	88.5	104.3
Plasticizing Capacity (PS)	STD	g/sec	77.8	116.7	136.1	98.6	136.1	161.1	144.4	161.1
		oz/sec	2.74	4.11	4.80	3.47	4.80	5.68	5.09	5.68
	HIGH TORQUE	g/sec	—	80.6	102.8	—	75.0	102.8	102.8	122.2
		oz/sec	—	2.84	3.62	—	2.65	3.62	3.62	4.31
Screw Speed	STD	rpm	140	140	127	127	127	110	110	101
	HIGH TORQUE	rpm	—	95	95	—	71	71	78	78
Screw Torque	STD	N·m	5500	5500	5500	5500	7090	7090	9150	9150
		lbf·ft	4050	4050	4050	4050	5220	5220	6740	6740
	HIGH TORQUE	N·m	—	7090	7090	—	10300	10300	13700	13700
		lbf·ft	—	5220	5220	—	7590	7590	10100	10100
Nozzle Touch Force		kN	58.8			58.8			92.4	
		US Ton	6.6			6.6			10.4	
Main Breaker Capacity		A	300			350			400	
Apparent Power		kVA	121			147			166	
Heater Capacity		kW	44.4			57.2			69.4	
Machine Dimensions L x W x H		m	10.6 x 2.9 x 2.7			10.9 x 2.9 x 2.8			11.7 x 2.9 x 2.9	
		ft	34.8 x 9.5 x 8.9			35.8 x 9.5 x 9.2			38.4 x 9.5 x 9.5	
Machine Weight		t	55.0			57.0			67.0	
		US Ton	60.6			62.8			73.9	

Note)

- 1 : Due to continuous improvements, specifications are subject to change without notice.
- 2 : Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions.
- 3 : Max. Injection Pressure and Max. Holding Pressure are power of injection unit, not resin pressure.
Max. Injection Pressure and Max. Holding Pressure are limited according to molding conditions.
- 4 : Min. mold dimensions are 34.7in(H) x 34.7in(V), 880mm(H) x 880mm(V).
In case of Max. Clamping Force, do not mount smaller mold than described above.
- 5 : High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details.
- 6 : Values of Apparent power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.
Please contact SHIBAURA MACHINE.

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