

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			AT	B	AT	B	AT	B
Screw Diameter		mm	95	105	105	120	115	125
		in	3.74	4.13	4.13	4.72	4.52	4.92
Injection Capacity		cm ³	3150	3850	4320	5650	6560	7750
		in ³	192	235	264	345	401	474
Shot Volume	PS	g	2900	3540	3980	5200	6040	7130
		oz	102.3	124.9	140.4	183.4	213.1	251.5
	PE	g	2300	2810	3160	4120	4790	5660
		oz	81.1	99.1	111.5	145.3	169.0	199.7
Maximum Injection Pressure		MPa	180	147	180	138	180	152
		PSI	26100	21300	26100	20000	26100	22000
Maximum Holding Pressure		MPa	150	123	150	115	150	127
		PSI	21800	17800	21800	16700	21700	18400
Injection Velocity		mm/s	150		150		140	
		in/s	5.9		5.9		5.5	
Injection Rate		cm ³ /s	1063	1299	1299	1696	1450	1710
		in ³ /s	64.9	79.3	79.3	103.5	88.5	104.3
Plasticizing Capacity (PS)	STD	g/sec	116.7	136.1	136.1	161.1	144.4	161.1
		oz/sec	4.11	4.80	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	127	127	110	110	101
	HIGH TORQUE	rpm	95	95	71	71	78	78
Screw Torque	STD	N·m	5500	5500	7090	7090	9150	9150
		lbf·ft	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	
GENERAL	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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