

ITEM		Unit	EC30SXIII					
CLAMP	Clamping Force	tf	30					
		US Ton	33					
	Tie Bar Distance (HxV)	mm	320 x 290					
		in	12.6 x 11.4					
	Platen Dimension (HxV)	mm	440 x 420					
		in	17.3 x 16.5					
	Clamp Stroke	mm	230					
		in	9.06					
	Maximum Daylight	mm	560					
		in	22.0					
Mold Height (Min~Max)	mm	150 ~ 330						
	in	5.9 ~ 13.0						
Ejector Force	tf	0.8						
	US Ton	0.9						
Ejector Stroke	mm	50						
	in	1.97						
INJECTION	Injection Unit		i0.4		i1			
	Barrel Code		0.4Y	0.4A	1YZ	1Y	1A	
	Screw Diameter	mm	16	18	20	22	25	
		in	0.63	0.71	0.79	0.87	0.98	
	Injection Capacity	cm <sup>3</sup>	14	18	31	38	49	
		in <sup>3</sup>	0.88	1.12	1.92	2.32	3.00	
	Shot Volume	PS	g	13	16	29	35	45
			oz	0.46	0.56	1.02	1.23	1.59
		PE	g	10	13	23	28	36
			oz	0.35	0.46	0.81	0.99	1.27
	Maximum Injection Pressure	MPa	278	220	270	270	220	
		PSI	40300	31900	39200	39200	31900	
	Maximum Holding Pressure	MPa	278	220	270	270	220	
		PSI	40300	31900	39200	39200	31900	
	Injection Velocity	STD	mm/s	525		300		
			in/s	20.7		11.8		
	Injection Rate	STD	cm <sup>3</sup> /s	106	134	94	114	147
			in <sup>3</sup> /s	6.47	8.18	5.74	6.96	8.97
	Injection Velocity	HIGH SPEED	mm/s	—		500		
			in/s	—		19.7		
	Injection Rate	HIGH SPEED	cm <sup>3</sup> /s	—	—	157	190	245
			in <sup>3</sup> /s	—	—	9.58	11.6	15.0
	Plasticizing Capacity	PS	g/sec	2.2	3.3	3.9	6.1	7.8
			oz/sec	0.08	0.12	0.14	0.22	0.27
	Screw Speed		rpm	480	480	430	420	420
	Screw Torque		N·m	58	81	109	143	204
lbf·ft			42.8	59.7	80.4	105	150	
Nozzle Touch Force		kN	17.6		17.6			
		US Ton	2.0		2.0			
GENERAL	Main Breaker Capacity	STD	A	75		75		
			kVA	20		22		
	Main Breaker Capacity	HIGH SPEED	A	—		75		
			kVA	—		33		
	Heater Capacity		kW	3.4		4.8		
	Machine Dimensions L x W x H		m	2.9 x 1.0 x 1.6		3.2 x 1.0 x 1.6		
			ft	9.5 x 3.3 x 5.3		10.3 x 3.3 x 5.3		
	Machine Weight		t	2.0		2.0		
US Ton			2.2		2.2			

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 7.1in(H) x 6.5in(V), 180mm(H) x 165mm(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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