

ITEM		Unit	EC50SXIII			
CLAMP	Clamping Force	tf	50			
		US Ton	55			
	Tie Bar Distance (HxV)	mm	410 x 360			
		in	16.1 x 14.2			
	Platen Dimension (HxV)	mm	510 x 460			
		in	20.1 x 18.1			
	Clamp Stroke	mm	300			
		in	11,8			
	Maximum Daylight	mm	670			
		in	26,4			
	Mold Height (Min~Max)	mm	150 ~ 370			
		in	5.9 ~ 14.5			
	Ejector Force	tf	2,0			
		US Ton	2,2			
Ejector Stroke	mm	70				
	in	2,76				
Injection Unit			U1.5			
Barrel Code			1YZ	1Y	1.5Y	1.5A
Screw Diameter	mm	20	22	25	28	
	in	0,79	0,87	0,98	1,10	
Injection Capacity	cm <sup>3</sup>	31	38	55	69	
	in <sup>3</sup>	1,92	2,32	3,35	4,21	
Shot Volume	PS	g	29	35	51	63
		oz	1,02	1,23	1,80	2,22
	PE	g	23	28	40	50
		oz	0,81	0,99	1,41	1,76
Maximum Injeciton Pressure		MPa	270	270	276	220
		PSI	39200	39200	40000	31900
Maximum Holding Pressure		MPa	270	270	276	220
		PSI	39200	39200	40000	31900
Injection Velocity	STD	mm/s	200			
		in/s	7,9			
Injection Rate	STD	cm <sup>3</sup> /s	63	76	98	123
		in <sup>3</sup> /s	3,84	4,64	5,98	7,51
Injection Velocity	HIGH SPEED	mm/s	500			
		in/s	19,7			
Injection Rate	HIGH SPEED	cm <sup>3</sup> /s	157	190	245	308
		in <sup>3</sup> /s	9,58	11,6	15,0	18,8
Plasticizing Capacity	PS	g/sec	3,9	6,1	6,9	9,7
		oz/sec	0,14	0,22	0,24	0,34
Screw Speed		rpm	430	420	390	390
Screw Torque	N·m	109	143	204	280	
	lbf·ft	80,4	105	150	207	
Nozzle Touch Force		kN	17,6			
		US Ton	2,0			
GENERAL	Main Breaker Capacity	STD	A	75		
	Apparent Power		kVA	23	28	
	Main Breaker Capacity	HIGH SPEED	A	75	100	
	Apparent Power		kVA	35	42	
	Heater Capacity		kW	4,8	6,6	
	Machine Dimensions L x W x H		m	3.7 x 1.3 x 1.6		3.9 x 1.3 x 1.6
			ft	12.0 x 4.0 x 5.2		12.6 x 4.0 x 5.2
	Machine Weight		t	3,0		3,1
US Ton			3,3		3,4	

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 9.3in(H) x 8.3in(V), 235mm(H) x 210mm(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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