

ITEM	Unit	EC55SXIII			
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		U1.5				
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 Injection 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.