

ITEM		Unit	EC250SXIII							
CLAMP	Clamping Force	tf	230							
		US Ton	254							
	Tie Bar Distance (HxV)	mm	610 x 560							
		in	24.0 x 22.0							
	Platen Dimension (HxV)	mm	880 x 830							
		in	34.6 x 32.7							
	Clamp Stroke	mm	550							
		in	21.7							
	Maximum Daylight	mm	1230							
		in	48.4							
	Mold Height (Min~Max)	mm	250 ~ 680							
		in	9.84 ~ 26.8							
	Ejector Force	tf	5.0							
		US Ton	5.5							
Ejector Stroke	mm	130								
	in	5.12								
Injection Unit			U48					U5		
Barrel Code			4Y	6Y	8Y	8A	8B	17Y	17AT	17B
Screw Diameter	mm	36	40	45	50	55	50	60	70	
	in	1.42	1.57	1.77	1.97	2.17	1.97	2.36	2.76	
Injection Capacity	cm ³	162	226	318	392	475	589	848	1155	
	in ³	9.94	13.8	19.4	24.0	29.0	35.9	51.8	70.5	
Shot Volume	PS	g	145	208	292	361	437	542	780	1062
		oz	5.11	7.34	10.3	12.7	15.4	19.1	27.5	37.5
	PE	g	115	165	232	286	346	430	619	842
		oz	4.06	5.82	8.18	10.1	12.2	15.2	21.8	29.7
Maximum Injection Pressure	MPa	247	253	247	200	165	288	200	147	
	PSI	35800	36700	35800	29000	23900	41700	29000	21300	
Maximum Holding Pressure	MPa	247	253	247	200	165	288	200	147	
	PSI	35800	36700	35800	29000	23900	41700	29000	21300	
Injection Velocity	STD	mm/s	160					160		
		in/s	6.3					6.3		
Injection Rate	STD	cm ³ /s	163	201	254	314	380	314	452	616
		in ³ /s	9.9	12.3	15.5	19.2	23.2	19.2	27.6	37.6
Injection Velocity	HIGH SPEED	mm/s	350					300		
		in/s	13.8					11.8		
Injection Rate	HIGH SPEED	cm ³ /s	356	440	557	687	832	589	848	1155
		in ³ /s	21.7	26.9	34.0	41.9	50.8	35.9	51.7	70.5
Plasticizing Capacity (PS)	STD	g/sec	23.1	30.6	33.3	44.4	52.8	44.4	63.9	75.0
		oz/sec	0.81	1.10	1.18	1.57	1.86	1.57	2.25	2.65
	HIGH TORQUE	g/sec	—	—	—	—	—	—	52.8	64.6
oz/sec		—	—	—	—	—	—	1.86	2.28	
Screw Speed	STD	rpm	350	320	285	255	230	255	220	180
	HIGH TORQUE	rpm	—	—	—	—	—	—	180	155
Screw Torque	STD	N·m	566	761	1058	1421	1421	1421	2360	2360
		lbf·ft	417	561	780	1048	1048	1048	1746	1746
	HIGH TORQUE	N·m	—	—	—	—	—	—	2900	2900
		lbf·ft	—	—	—	—	—	—	2139	2139
Nozzle Touch Force	kN	29.4					29.4			
	US Ton	3.3					3.3			
GENERAL	Main Breaker Capacity	STD	A	125					175	
			kVA	48	59	61		61		
	Main Breaker Capacity	HIGH SPEED	A	175					225	
			kVA	61	75	81		103		
	Heater Capacity		kW	11.2	13.6	15.2	15.8	21.7	25.5	
	Machine Dimensions L x W x H	m	6.0 x 1.7 x 2.0	6.2 x 1.7 x 2.0	6.4 x 1.7 x 2.0		6.6 x 1.8 x 2.2	6.7 x 1.8 x 2.2		
		ft	19.6 x 5.4 x 6.5	20.4 x 5.4 x 6.5	21.0 x 5.4 x 6.5		21.6 x 5.8 x 7.3	21.8 x 5.8 x 7.3		
	Machine Weight	t	9.2					9.3		
US Ton		10.2					10.2			

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 14.2in(H) x 13.2in(V), 360mm(H) x 335mm(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.