

ITEM		Unit	EC200SXIII						
CLAMP	Clamping Force	tf	180						
		US Ton	198						
	Tie Bar Distance (HxV)	mm	560 x 510						
		in	22.0 x 20.1						
	Platen Dimension (HxV)	mm	790 x 740						
		in	31.1 x 29.1						
	Clamp Stroke	mm	450						
		in	17.7						
	Maximum Daylight	mm	1050						
		in	41.3						
Mold Height (Min~Max)	mm	200 ~ 600							
	in	7.87 ~ 23.6							
Ejector Force	tf	5.0							
	US Ton	5.5							
Ejector Stroke	mm	130							
	in	5.12							

INJECTION		U34			U48					
Injection Unit		U34			U48					
Barrel Code		4Y	4A	4B	4Y	6Y	8Y	8A	8B	
Screw Diameter	mm	36	40	45	36	40	45	50	55	
	in	1.42	1.57	1.77	1.42	1.57	1.77	1.97	2.17	
Injection Capacity	cm <sup>3</sup>	162	201	254	162	226	318	392	475	
	in <sup>3</sup>	9.94	12.3	15.5	9.94	13.8	19.4	24.0	29.0	
Shot Volume	PS	g	145	180	230	145	208	292	361	437
		oz	5.11	6.35	8.11	5.11	7.34	10.3	12.7	15.4
	PE	g	115	145	185	115	165	232	286	346
		oz	4.06	5.11	6.52	4.06	5.82	8.18	10.1	12.2
Maximum Injection Pressure		MPa	247	200	158	247	253	247	200	165
		PSI	35800	29000	22900	35800	36700	35800	29000	23900
Maximum Holding Pressure		MPa	247	200	158	247	253	247	200	165
		PSI	35800	29000	22900	35800	36700	35800	29000	23900
Injection Velocity	STD	mm/s	200			160				
		in/s	7.9			6.3				
Injection Rate	STD	cm <sup>3</sup> /s	204	251	318	163	201	254	314	380
		in <sup>3</sup> /s	12.4	15.3	19.4	9.9	12.3	15.5	19.2	23.2
Injection Velocity	HIGH SPEED	mm/s	400			350				
		in/s	15.7			13.8				
Injection Rate	HIGH SPEED	cm <sup>3</sup> /s	407	503	636	356	440	557	687	832
		in <sup>3</sup> /s	24.8	30.7	38.8	21.7	26.9	34.0	41.9	50.8
Plasticizing Capacity	PS	g/sec	23.1	30.6	33.3	23.1	30.6	33.3	44.4	52.8
		oz/sec	0.81	1.1	1.2	0.81	1.1	1.18	1.57	1.86
Screw Speed		rpm	350	320	285	350	320	285	255	230
Screw Torque		N·m	566	761	761	566	761	1058	1421	1421
		lbf·ft	417	561	561	417	561	780	1048	1048
Nozzle Touch Force		kN	29.4			29.4				
		US Ton	3.3			3.3				

GENERAL		U34			U48					
Main Breaker Capacity	STD	A	100			125				
		kVA	48			48	59	61		
Main Breaker Capacity	HIGH SPEED	A	125			175				
		kVA	61			61	75	81		
Heater Capacity		kW	11.2	11.9	11.2	13.6	15.2	15.8		
Machine Dimensions L x W x H		m	5.7 x 1.6 x 1.8			5.7 x 1.6 x 1.8	5.9 x 1.6 x 1.8	6.1 x 1.6 x 1.8		
		ft	18.7 x 5.1 x 5.9			18.7 x 5.1 x 5.9	19.3 x 5.1 x 5.9	19.9 x 5.1 x 5.9		
Machine Weight		t	7.0			7.3	7.3	7.3		
		US Ton	7.7			8.0	8.0	8.0		

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 12.8in(H) x 11.8in(V), 325mm(H) x 300mm(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.