

ITEM	Unit	EC110SXIII		
Clamping Force	tf	100		
	US Ton	110		
Tie Bar Distance (HxV)	mm	460 x 410		
	in	18.1 x 16.1		
Platen Dimension (HxV)	mm	660 x 610		
	in	26.0 x 24.0		
Clamp Stroke	mm	350		
	in	13.8		
Maximum Daylight	mm	900		
	in	35.4		
Mold Height (Min~Max)	mm	180 ~ 550		
	in	7.1 ~ 21.7		
Ejector Force	tf	3.0		
	US Ton	3.3		
Ejector Stroke	mm	90		
	in	3.54		

Injection Unit		U32			U34					
Barrel Code		2Y	2A	2B	2Y	2A	4Y	4A	4B	
Screw Diameter	mm	28	32	36	28	32	36	40	45	
	in	1.10	1.26	1.42	1.10	1.26	1.42	1.57	1.77	
Injection Capacity	cm <sup>3</sup>	78	102	130	78	102	162	201	254	
	in <sup>3</sup>	4.81	6.28	7.95	4.81	6.28	9.94	12.3	15.5	
Shot Volume	PS	g	72	94	120	72	94	145	180	230
		oz	2.54	3.32	4.23	2.54	3.32	5.11	6.35	8.11
	PE	g	57	75	95	57	75	115	145	185
		oz	2.01	2.65	3.35	2.01	2.65	4.06	5.11	6.52
Maximum Injection Pressure	MPa	287	220	174	287	220	247	200	158	
	PSI	41600	31900	25200	41600	31900	35800	29000	22900	
Maximum Holding Pressure	MPa	287	220	174	287	220	247	200	158	
	PSI	41600	31900	25200	41600	31900	35800	29000	22900	
Injection Velocity	STD	mm/s	200			200				
		in/s	7.9			7.9				
Injection Rate	STD	cm <sup>3</sup> /s	123	161	204	123	161	204	251	318
		in <sup>3</sup> /s	7.5	9.8	12.4	7.5	9.8	12.4	15.3	19.4
Injection Velocity	HIGH SPEED	mm/s	500			400				
		in/s	19.7			15.7				
Injection Rate	HIGH SPEED	cm <sup>3</sup> /s	308	402	509	246	322	407	503	636
		in <sup>3</sup> /s	18.8	24.5	31.1	15.0	19.6	24.8	30.7	38.8
Plasticizing Capacity	PS	g/sec	11.1	16.9	23.1	11.1	16.9	23.1	30.6	33.3
		oz/sec	0.39	0.60	0.81	0.39	0.60	0.81	1.1	1.2
Screw Speed		rpm	400	390	350	400	390	350	320	285
Screw Torque		N·m	280	407	407	280	407	566	761	761
		lbf·ft	207	300	300	207	300	417	561	516
Nozzle Touch Force		kN	17.6			17.6				
		US Ton	2.0			2.0				

Main Breaker Capacity		STD	A	75		100				
Apparent Power			kVA	35			35		48	
Main Breaker Capacity		HIGH SPEED	A	125			125			
Apparent Power			kVA	53			53		61	
Heater Capacity		kW	6.8	7.6		6.8		11.2	11.9	
Machine Dimensions L x W x H		m	4.7 x 1.3 x 1.7				5.0 x 1.3 x 1.7			
		ft	15.2 x 4.2 x 5.4				16.1 x 4.2 x 5.4			
Machine Weight		t	4.2			4.3		4.3		
		US Ton	4.6			4.7		4.7		

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 10.4in(H) x 9.5in(V), 265mm(H) x 240mm(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.