

ITEM		Unit	EC720SXIII				
CLAMP	Clamping Force	tf	650				
		US Ton	717				
	Tie Bar Distance (HxV)	mm	1060 x 960				
		in	41.7 x 37.8				
	Platen Dimension (HxV)	mm	1500 x 1400				
		in	59.1 x 55.1				
	Clamp Stroke	mm	1000				
		in	39.4				
	Maximum Daylight	mm	2050				
		in	80.7				
	Mold Height (Min~Max)	mm	450 ~ 1050				
		in	17.7 ~ 41.3				
	Ejector Force	tf	18.0				
		US Ton	19.8				
Ejector Stroke	mm	200					
	in	7.9					
INJECTION	Injection Unit		i61		i78		
	Barrel Code		AT	B	AT	B	
	Screw Diameter	mm	95	105	105	120	
		in	3.74	4.13	4.13	4.72	
	Injection Capacity	cm <sup>3</sup>	3150	3850	4320	5650	
		in <sup>3</sup>	192	235	264	345	
	Shot Volume	PS	g	2900	3540	3980	5200
			oz	102.3	124.9	140.4	183.4
		PE	g	2300	2810	3160	4120
			oz	81.1	99.1	111.5	145.3
	Maximum Injection Pressure	MPa	180	147	180	138	
		PSI	26100	21300	26100	20000	
	Maximum Holding Pressure	MPa	150	123	150	115	
		PSI	21800	17800	21800	16700	
	Injection Velocity	mm/s	150		150		
		in/s	5.9		5.9		
	Injection Rate	cm <sup>3</sup> /s	1063	1299	1299	1696	
		in <sup>3</sup> /s	64.9	79.3	79.3	103.5	
	Plasticizing Capacity (PS)	STD	g/sec	116.7	136	136.1	161
			oz/sec	4.11	4.80	4.80	5.68
		HIGH TORQUE	g/sec	80.6	103	75.0	103
			oz/sec	2.84	3.62	2.65	3.62
Screw Speed	STD	rpm	140	127	127	110	
	HIGH TORQUE	rpm	95	95	71	71	
Screw Torque	STD	N·m	5500	5500	7090	7090	
		lbf·ft	4050	4050	5220	5220	
	HIGH TORQUE	N·m	7090	7090	10300	10300	
		lbf·ft	5220	5220	7590	7590	
Nozzle Touch Force	kN	58.8		58.8			
	US Ton	6.6		6.6			
GENERAL	Main Breaker Capacity		300		350		
	Apparent Power		121		147		
	Heater Capacity		44.4		57.2		
	Machine Dimensions L x W x H	m	9.7 x 2.5 x 2.6		10.3 x 2.5 x 2.7		
		ft	31.8 x 8.2 x 8.6		33.5 x 8.2 x 8.7		
	Machine Weight	t	40.0		41.5		
		US Ton	44.1		45.7		

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 25.98in(H) x 24.02in(V), 660mm(H) x 610mm(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.