

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 Unit			i61			i78		
Barrel Code			Y	AT	B	Y	AT	B
Screw Diameter	mm	80	95	105	95	105	120	
	in	3.14	3.74	4.13	3.74	4.13	4.72	
Injection Capacity	cm ³	2230	3150	3850	3530	4320	5650	
	in ³	136	192	235	215	264	345	
Shot Volume	PS	g	2050	2900	3540	3250	3980	5200
		oz	72.5	102.3	124.9	114.9	140.4	183.4
	PE	g	1625	2300	2810	2580	3160	4120
		oz	57.5	81.1	99.1	91.2	111.5	145.3
Maximum Injection Pressure	MPa	250	180	147	220	180	138	
	PSI	36200	26100	21300	31800	26100	20000	
Maximum Holding Pressure	MPa	210	150	123	183	150	115	
	PSI	30400	21800	17800	26500	21800	16700	
Injection Velocity	mm/s	150			150			
	in/s	5.9			5.9			
Injection Rate	cm ³ /s	753	1063	1299	1063	1299	1696	
	in ³ /s	46.0	64.9	79.3	64.9	79.3	103.5	
Plasticizing Capacity (PS)	STD	g/sec	77.8	116.7	136	98.6	136.1	161
		oz/sec	2.74	4.11	4.80	3.47	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	140	127	127	127	110
	HIGH TORQUE	rpm	—	95	95	—	71	71
Screw Torque	STD	N·m	5500	5500	5500	5500	7090	7090
		lbf·ft	4050	4050	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			
Main Breaker Capacity		A	300			350		
Apparent Power		kVA	121			147		
Heater Capacity		kW	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.

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