

ITEM		Unit	EC390SXIII									
CLAMP	Clamping Force	tf	350									
		US Ton	385									
	Tie Bar Distance (HxV)	mm	820 x 740									
		in	32.3 x 29.1									
	Platen Dimension (HxV)	mm	1110 x 1030									
		in	43.7 x 40.6									
	Clamp Stroke	mm	650									
		in	25.6									
	Maximum Daylight	mm	1470									
		in	57.9									
	Mold Height (Min~Max)	mm	300 ~ 820									
		in	11.8 ~ 32.3									
	Ejector Force	tf	6.0									
		US Ton	6.6									
Ejector Stroke	mm	150										
	in	5.9										
INJECTION	Injection Unit		i10			i17			i26			
	Barrel Code		Y	A	B	Y	AT	B	Y	AT	B	
	Screw Diameter	mm	45	50	55	50	60	70	60	70	80	
		in	1.77	1.97	2.17	1.97	2.36	2.76	2.36	2.76	3.15	
	Injection Capacity	cm <sup>3</sup>	397	490	593	589	848	1155	990	1340	1750	
		in <sup>3</sup>	24.3	30.0	36.2	35.9	51.8	70.5	60.4	82.2	107.4	
	Shot Volume	PS	g	365	450	545	542	780	1063	910	1230	1610
			oz	12.9	15.9	19.2	19.1	27.5	37.5	31.9	43.4	56.8
		PE	g	289	357	432	430	619	843	720	980	1280
			oz	10.2	12.6	15.2	15.2	21.8	29.7	25.4	34.6	45.2
	Maximum Injection Pressure	MPa	247	200	165	288	200	147	258	190	145	
		PSI	35800	29000	23900	41700	29000	21300	37400	27500	21000	
	Maximum Holding Pressure	MPa	247	200	165	288	200	147	217	160	122	
		PSI	35800	29000	23900	41700	29000	21300	31400	23200	17600	
	Injection Velocity	STD	mm/s	160			160			160		
			in/s	6.3			6.3			6.3		
	Injection Rate	STD	cm <sup>3</sup> /s	254	314	380	314	452	616	452	615	804
			in <sup>3</sup> /s	15.5	19.2	23.2	19.2	27.6	37.6	27.6	37.5	49.1
	Injection Velocity	HIGH SPEED	mm/s	350			300			—		
			in/s	13.8			11.8			—		
	Injection Rate	HIGH SPEED	cm <sup>3</sup> /s	556	687	831	589	848	1155	—	—	—
			in <sup>3</sup> /s	34.0	41.9	50.7	35.9	51.7	70.5	—	—	—
	Plasticizing Capacity (PS)	STD	g/sec	33.3	44.4	52.8	44.4	63.9	75.0	61.2	72.2	94.4
			oz/sec	1.18	1.57	1.86	1.57	2.25	2.65	2.16	2.55	3.33
		HIGH TORQUE	g/sec	—	—	—	—	52.8	64.6	—	47.2	63.9
			oz/sec	—	—	—	—	1.86	2.28	—	1.67	2.25
	Screw Speed	STD	rpm	285	255	230	255	220	180	210	180	170
		HIGH TORQUE	rpm	—	—	—	—	180	155	—	120	120
Screw Torque	STD	N·m	1058	1421	1421	1421	2360	2360	2580	2580	2580	
		lbf·ft	780	1048	1048	1048	1746	1746	1900	1900	1900	
	HIGH TORQUE	N·m	—	—	—	—	2900	2900	—	3310	3310	
		lbf·ft	—	—	—	—	2139	2139	—	2440	2440	
Nozzle Touch Force	kN	29.4			29.4			44.1				
	US Ton	3.3			3.3			5.0				
GENERAL	Main Breaker Capacity	STD	A	125			175			200		
			kVA	61			61			73		
	Main Breaker Capacity	HIGH SPEED	A	175			225			—		
			kVA	81			103			—		
	Heater Capacity		kW	15.2	15.8	21.7	25.5	22.3	26.5			
	Machine Dimensions L x W x H	m	7.2 x 2.1 x 2.2			7.2x2.1x2.2	7.3 x 2.1 x 2.2		7.4x2.1x2.2	7.7 x 2.1 x 2.2		
		ft	23.4 x 6.6 x 7.1			23.4x6.6x7.1	23.8 x 6.6 x 7.1		24.1x6.6x7.1	25.2 x 6.6 x 7.1		
	Machine Weight	t	15.3			16.5			17.5			
		US Ton	16.9			18.2			19.3			

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 18.5in(H) x 16.9in(V), 470mm(H) x 430mm(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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