EC-SX III SPECIFICATIONS EC550SXIII

Shibaura Machine

07/01/2020

	ITEM		Unit	EC550SXIII								
CLAMP	Clamping Force		tf	550								
			US Ton	606								
	Tie Bar Distance (HxV)		mm	970 x 910								
			in	38.1 x 35.8								
	Platen Dimension (HxV)		mm	1365 x 1300								
			in	53.7 x 51.2								
	Clamp Stroke		mm	900								
			in	35,4								
	Maximum Daylight		mm	1900								
			in	74,8								
	Mold Height (Min~Max)		mm	400 ~ 1000								
			in	15.7 ~ 39.4								
	Ejector Force		tf	13,0								
			US Ton	14,3								
	Ejector Stroke		mm	180								
			in	7,1								
INJECTION	Injection Unit			i17			i26			i36		
	Barrel Code			Y	AT	B	Y	AT	B	Y	AT	B
	Screw Diameter		mm	50	60	70	60	70	80	70	80	90
			in	1,97	2,36	2,76	2,36	2,76	3,15	2,76	3,15	3,54
	Injection Capacity		cm^3	589	848	1155	990	1340	1750	1440	1880	2380
			in^3	35,9	51,8	70,5	60,4	82,2	107,4	87,9	115,3	145,7
	Shot Volume	PS	g	542	780	1063	910	1230	1610	1320	1730	2190
			oz	19,1	27,5	37,5	31,9	43,4	56,8	46,5	61,0	77,3
		PE	g	430	619	843	720	980	1280	1040	1370	1740
			oz	15,2	21,8	29,7	25,4	34,6	45,2	36,7	48,3	61,4
	Maximum Injeciton Pressure		MPa	288	200	147	258	190	145	237	190	150
			PSI	41700	29000	21300	37400	27500	21000	34300	27600	21800
	Maximum Holding Pressure		MPa	288	200	147	217	160	122	199	160	126
			PSI	41700	29000	21300	31400	23200	17600	28800	23200	18300
	Injection Velocity	STD	mm/s	160			160			140		
			in/s	6,3			6,3			5,5		
	Injection Rate	STD	cm^3/s	314	452	616	452	615	804	537	704	891
			in^3/s	19,2	27,6	37,6	27,6	37,5	49,1	32,8	43,0	54,4
	Injection Velocity	HIGH SPEED	mm/s	300			—			—		
			in/s	11,8			—			—		
	Injection Rate	HIGH SPEED	cm^3/s	589	848	1155	—	—	—	—	—	—
			in^3/s	35,9	51,7	70,5	—	—	—	—	—	—
	Plasticizing Capacity (PS)	STD	g/sec	44,4	63,9	75,0	61,2	72,2	94,4	72,2	94,4	111,1
			oz/sec	1,57	2,25	2,65	2,16	2,55	3,33	2,54	3,33	3,92
		HIGH TORQUE	g/sec	—	52,8	64,6	—	47,2	63,9	—	61,1	77,8
			oz/sec	—	1,86	2,28	—	1,67	2,25	—	2,16	2,74
	Screw Speed	STD	rpm	255	220	180	210	180	170	180	170	150
		HIGH TORQUE	rpm	—	180	155	—	120	120	—	115	115
	Screw Torque	STD	N·m	1421	2360	2360	2580	2580	2580	3310	3310	3310
			lbf·ft	1048	1746	1746	1900	1900	1900	2440	2440	2440
		HIGH TORQUE	N·m	—	2900	2900	—	3310	3310	—	4610	4610
			lbf·ft	—	2139	2139	—	2440	2440	—	3400	3400
	Nozzle Touch Force		kN	29,4			44,1			58,8		
			US Ton	3,3			5,0			6,6		
GENERAL	Main Breaker Capacity	STD	A	175			200			200		
	Apparent Power		kVA	76			83			89		
	Main Breaker Capacity	HIGH SPEED	A	225			—			—		
	Apparent Power		kVA	103			—			—		
	Heater Capacity		kW	21,7	25,5		22,3	26,5		29,8	34,3	
	Machine Dimensions L x W x H		m	8.4 x 2.3 x 2.2			8.4 x 2.3 x 2.2			8.5x2.3x2.4	8.9 x 2.3 x 2.4	
			ft	27.3 x 7.5 x 7.3			27.5 x 7.5 x 7.3			27.7x7.5x7.7	29.0 x 7.5 x 7.7	
	Machine Weight		t	26,3			27,1			28,5		
			US Ton	29,0			29,9			31,4		

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 22.3in(H) x 21.1in(V), 565mm(H) x 535mm(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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