

ITEM		Unit	EC85SXIII					
CLAMP	Clamping Force	tf	75					
		US Ton	83					
	Tie Bar Distance (HxV)	mm	410 x 360					
		in	16.1 x 14.2					
	Platen Dimension (HxV)	mm	580 x 530					
		in	22.8 x 20.9					
	Clamp Stroke	mm	300					
		in	11.8					
	Maximum Daylight	mm	770					
		in	30.3					
Mold Height (Min~Max)	mm	150 ~ 470						
	in	5.9 ~ 18.5						
Ejector Force	tf	2.0						
	US Ton	2.2						
Ejector Stroke	mm	70						
	in	2.76						
Injection Unit			U22					
Barrel Code			1Y	1.5Y	2Y	2A	2B	
Screw Diameter	mm	22	25	28	32	36		
	in	0.87	0.98	1.10	1.26	1.42		
Injection Capacity	cm <sup>3</sup>	38	55	78	102	130		
	in <sup>3</sup>	2.32	3.35	4.81	6.28	7.95		
Shot Volume	PS	g	35	51	72	94	120	
		oz	1.23	1.80	2.54	3.32	4.23	
	PE	g	28	40	57	75	95	
		oz	0.99	1.41	2.01	2.65	3.35	
Maximum Injection Pressure		MPa	270	276	287	220	174	
		PSI	39200	40000	41600	31900	25200	
Maximum Holding Pressure		MPa	270	276	287	220	174	
		PSI	39200	40000	41600	31900	25200	
Injection Velocity	STD	mm/s	200					
		in/s	7.9					
Injection Rate	STD	cm <sup>3</sup> /s	76	98	123	161	204	
		in <sup>3</sup> /s	4.64	5.98	7.51	9.8	12.4	
Injection Velocity	HIGH SPEED	mm/s	500					
		in/s	19.7					
Injection Rate	HIGH SPEED	cm <sup>3</sup> /s	190	245	308	402	509	
		in <sup>3</sup> /s	11.6	15.0	18.8	24.5	31.1	
Plasticizing Capacity	PS	g/sec	6.1	6.9	11.1	16.9	23.1	
		oz/sec	0.22	0.24	0.39	0.60	0.81	
Screw Speed		rpm	420	390	400	390	350	
Screw Torque		N·m	143	204	280	407	407	
		lbf·ft	105	150	207	300	300	
Nozzle Touch Force		kN	17.6					
		US Ton	2.0					
GENERAL	Main Breaker Capacity	STD	A	75				
			kVA	23	28	35		
	Main Breaker Capacity	HIGH SPEED	A	125				
			kVA	35	42	53		
	Heater Capacity		kW	4.8	6.6	6.8	7.6	
	Machine Dimensions L x W x H		m	4.0 x 1.3 x 1.6			4.2 x 1.3 x 1.6	
			ft	13.2 x 4.0 x 5.2			13.7 x 4.0 x 5.2	
	Machine Weight		t	3.1	3.2	3.3		
US Ton			3.5	3.6	3.6			

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 9.3in(H) x 8.3in(V), 235mm(H) x 210mm(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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