

ITEM		Unit	EC140SXIII					
CLAMP	Clamping Force	tf	130					
		US Ton	143					
	Tie Bar Distance (HxV)	mm	510 x 460					
		in	20.1 x 18.1					
	Platen Dimension (HxV)	mm	720 x 670					
		in	28.3 x 26.4					
	Clamp Stroke	mm	400					
		in	15.7					
	Maximum Daylight	mm	950					
		in	37.4					
Mold Height (Min~Max)	mm	180 ~ 550						
	in	7.1 ~ 21.7						
Ejector Force	tf	3.0						
	US Ton	3.3						
Ejector Stroke	mm	90						
	in	3.54						
Injection Unit			U34					
Barrel Code			2Y	2A	4Y	4A	4B	
Screw Diameter	mm	28	32	36	40	45		
	in	1.10	1.26	1.42	1.57	1.77		
Injection Capacity	cm ³	78	102	162	201	254		
	in ³	4.81	6.28	9.94	12.3	15.5		
Shot Volume	PS	g	72	94	145	180	230	
		oz	2.54	3.32	5.11	6.35	8.11	
	PE	g	57	75	115	145	185	
		oz	2.01	2.65	4.06	5.11	6.52	
Maximum Injection Pressure		MPa	287	220	247	200	158	
		PSI	41600	31900	35800	29000	22900	
Maximum Holding Pressure		MPa	287	220	247	200	158	
		PSI	41600	31900	35800	29000	22900	
Injection Velocity	STD	mm/s	200					
		in/s	7.9					
Injection Rate	STD	cm ³ /s	123	161	204	251	318	
		in ³ /s	7.5	9.8	12.4	15.3	19.4	
Injection Velocity	HIGH SPEED	mm/s	400					
		in/s	15.7					
Injection Rate	HIGH SPEED	cm ³ /s	246	322	407	503	636	
		in ³ /s	15.0	19.6	24.8	30.7	38.8	
Plasticizing Capacity	PS	g/sec	11.1	16.9	23.1	30.6	33.3	
		oz/sec	0.39	0.60	0.81	1.1	1.2	
Screw Speed		rpm	400	390	350	320	285	
Screw Torque		N·m	280	407	566	761	761	
		lbf·ft	207	300	417	561	561	
Nozzle Touch Force		kN	17.6					
		US Ton	2.0					
GENERAL	Main Breaker Capacity	STD	A	100				
			kVA	35		48		
	Main Breaker Capacity	HIGH SPEED	A	125				
			kVA	53		61		
	Heater Capacity		kW	6.8	11.2			11.9
	Machine Dimensions L x W x H		m	4.8 x 1.5 x 1.7		5.1 x 1.5 x 1.7		
			ft	15.5 x 4.7 x 5.6		16.7 x 4.7 x 5.6		
Machine Weight		t	5.2			5.3		
		US Ton	5.8			5.8		

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 11.6in(H) x 10.6in(V), 295mm(H) x 270mm(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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