

ITEM			Unit	EC1800SX									
CLAMP	Clamping Force		tf	1800									
			US Ton	1984									
	Tie Bar Distance (HxV)		mm	1850 x 1660									
			in	72.8 x 65.4									
	Platen Dimension (HxV)		mm	2600 x 2350									
			in	102.4 x 92.5									
	Clamp Stroke		mm	1700									
			in	66,9									
	Maximum Daylight		mm	3200									
			in	126,0									
	Mold Height (Min~Max)		mm	800 ~ 1500									
			in	31.5 ~ 59.1									
Ejector Force		tf	44,0										
		US Ton	48,5										
Ejector Stroke		mm	300										
		in	11,8										
INJECTION	Injection Unit			i120						i155			
	Barrel Code			AT		B		A		B			
				STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH PLASTICIZATION	STD	HIGH PLASTICIZATION		
	Screw Diameter		mm	115		125		125		140			
			in	4,52		4,92		4,92		5,51			
	Injection Capacity		cm³	6560		7750		8430		10570			
			in³	401		474		515		645			
	Shot Volume	PS	g	6040		7130		7750		9730			
			oz	213		252		273,5		343,2			
		PE	g	4790		5660		6150		7720			
			oz	169		200		216,9		272,3			
	Maximum Injeciton Pressure		MPa	180		152		180		143			
			PSI	26100		22000		26100		20700			
	Maximum Holding Pressure		MPa	150		127		150		119			
			PSI	21700		18400		21700		17200			
	Injection Velocity		mm/s	140				135					
			in/s	5,5				5,3					
	Injection Rate		cm³/s	1450		1710		1650		2070			
			in³/s	88,5		104		101		126			
	Plasticizing Capacity	STD (PS)	g/sec	144	—	161	—	164	—	192	—		
			oz/sec	5,09	—	5,68	—	5,78	—	6,75	—		
		HIGH TORQUE (PS)	g/sec	—	103	—	122	—	—	—	—		
			oz/sec	—	3,62	—	4,31	—	—	—	—		
		HIGH PLASTICIZATION (PP+TALC)	g/sec	—	—	—	—	—	178	—	222		
			oz/sec	—	—	—	—	—	6,27	—	7,83		
	Screw Speed	STD	rpm	110	—	101	—	101	—	90	—		
		HIGH TORQUE	rpm	—	78	—	78	—	—	—	—		
		HIGH PLASTICIZATION	rpm	—	—	—	—	—	127	—	114		
	Screw Torque	STD	N·m	9150	—	9150	—	14500	—	14500	—		
			lbf·ft	6750	—	6750	—	10690	—	10690	—		
		HIGH TORQUE	N·m	—	13700	—	13700	—	—	—	—		
			lbf·ft	—	10100	—	10100	—	—	—	—		
	HIGH PLASTICIZATION	N·m	—	—	—	—	—	9260	—	11430			
		lbf·ft	—	—	—	—	—	6830	—	8430			
Nozzle Touch Force		kN	92,4				92,4						
		US Ton	10,4				10,4						
GENERAL	Main Breaker Capacity		A	500				500					
	Apparent Power		kVA	200				210					
	Heater Capacity		kW	67,9				67,9		82,6			
	Machine Dimensions L x W x H		m	13.8 x 3.8 x 3.5				13.9 x 3.8 x 3.5		14.3 x 3.8 x 3.5			
			ft	45.1 x 12.5 x 11.6				45.7 x 12.5 x 11.6		46.8 x 12.5 x 11.6			
	Machine Weight		t	132				142					
			US Ton	145				157					

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 51.2in(H) x 46.5in(V), 1300mm(H) x 1180mm(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.
- 7 : The high plasticization specification values are for when a special screw for olefin resins such as PP is installed.

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