

EC100SXIII MAJOR SPECIFICATIONS

ITEM		UNIT	MODEL EC100SXIII					
			i2			i4		
INJECTION UNIT CODE			Y	A	B	Y	A	B
BARREL CODE			Y	A	B	Y	A	B
SCREW DIAMETER		mm	28	32	36	36	40	45
INJECTION VOLUME CALCULATED		cm^3	78	102	130	162	201	254
SHOT WEIGHT	PS	g	72	94	120	145	180	230
	PE		57	75	95	115	145	185
INJECTION PRESSURE		MPa	287	220	174	247	200	158
		kgf/cm^2	2920	2240	1770	2510	2040	1610
HOLDING PRESSURE		MPa	287	220	174	247	200	158
		kgf/cm^2	2920	2240	1770	2510	2040	1610
INJECTION SPEED	STD	mm/s	200			200		
INJECTION RATE (MAX)		cm^3/s	123	161	204	204	251	318
INJECTION SPEED	Semi-High Speed	mm/s	300			300		
INJECTION RATE (MAX)		cm^3/s	184	241	305	305	376	477
INJECTION SPEED	High Speed	mm/s	500			400		
INJECTION RATE (MAX)		cm^3/s	308	402	509	407	502	636
PLASTICIZING CAPACITY	PS	kg/h	40	61	83	83	110	120
MAXIMUM SCREW SPEED		min^{-1}	400	390	350	350	320	285
SCREW TORQUE		N-m	280	407	407	566	761	761
SCREW STROKE		mm	128			160		
NOZZLE TOUCH FORCE		kN(tf)	11.8(1.2)					
CLAMPING FORCE		kN(tf)	980 (100)					
DISTANCE BETWEEN TIE RODS (H × V)		mm	460 × 410					
PLATEN DIMENSIONS (H × V)		mm	660 × 610					
OPENING STROKE		mm	350					
OPEN DAYLIGHT (Max.)		mm	900 (*840) (**880) (***)890)					
CLOSED DAYLIGHT (MIN.~MAX.MOLD)		mm	180~550 (*120~490) (**160~530) (***)170~540)					
EJECTION FORCE		kN(tf)	30 (3.0)					
EJECTOR STROKE		mm	90					
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	6.9	7.7	11.2	12.0		
	200V SPEC		5.7	6.3	9.3	9.9		
APPARENT POWER	STD	kVA	29.7			42.5		
	High Duty		20.4			29.4		
	High Speed		48.2			55.7		
MAIN BREAKER CAPACITY	STD	A	75			100		
	High Duty		75			100		
	High Speed		125			125		
SHORT-CIRCUIT CURRENT RATING	STD	kA	25/13			25/13		
	High Duty		25/13			25/13		
	High Speed		36/18			36/18		
POWER	STD	kW	19.8			23.7		
	High Duty		19.8			23.7		
	High Speed		32.8			37.2		
MACHINE DIMENSIONS (L × W × H)		m	A,Y 4.6 × 1.3 × ■1.7 B 4.7 × 1.3 × ■1.7			A,Y 4.8 × 1.3 × ■1.7 B 5.0 × 1.3 × ■1.7		
MACHINE WEIGHT		t	4.2			4.3		

- Note) 1 : Due to continuous improvements, specifications are subject to change without notice.
 2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.
 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 265(H) × 240(V).
 In case of max. clamping force, do not mount smaller mold than described above.
 5 : High screw torque may be necessary depends on the type, class of resin and molding condition.
 Please consult us for more details.
 6 : Values marked with * vary with optional T-slotted mold platen.
 7 : Values marked with ** vary with optional insulating plates (10mm) are attached.
 Values marked with *** vary with optional insulating plates (5mm) are attached.
 8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact TOSHIBA MACHINE.
 9 : Values marked with ■ Machine height differs by optional Alarm Warning Indicator specification.
 Refer to the attached drawing of "General View" for details.
 10 : 1MPa=10.2 kgf/cm^2 , 1kN=0.102tf