

EC50SXIII MAJOR SPECIFICATIONS				
ITEM	UNIT	MODEL EC50SXIII		
INJECTION UNIT CODE		i1.5		
BARREL CODE		Y	A	
SCREW DIAMETER	mm	25	28	
INJECTION VOLUME CALCULATED	cm <sup>3</sup>	55	69	
SHOT WEIGHT	PS	51	63	
	PE	40	50	
INJECTION PRESSURE	MPa	276	220	
	kgf/cm <sup>2</sup>	2810	2240	
HOLDING PRESSURE	MPa	276	220	
	kgf/cm <sup>2</sup>	2810	2240	
INJECTION SPEED	STD	mm/s	200	
INJECTION RATE (MAX)		cm <sup>3</sup> /s	98	123
INJECTION SPEED	Semi-High Speed	mm/s	300	
INJECTION RATE (MAX)		cm <sup>3</sup> /s	147	184
INJECTION SPEED	High Speed	mm/s	500	
INJECTION RATE (MAX)		cm <sup>3</sup> /s	245	308
PLASTICIZING CAPACITY	PS	kg/h	25	35
MAXIMUM SCREW SPEED		min <sup>-1</sup>	390	390
SCREW TORQUE		N-m	204	280
SCREW STROKE		mm	112	
NOZZLE TOUCH FORCE		kN(tf)	9.8(1.0)	
CLAMPING FORCE		kN(tf)	490 (50)	
DISTANCE BETWEEN TIE RODS (H × V)		mm	410 × 360	
PLATEN DIMENSIONS (H × V)		mm	510 × 460	
OPENING STROKE		mm	300	
OPEN DAYLIGHT (Max.)		mm	670 (*610) (**650) (***)660	
CLOSED DAYLIGHT (MIN.~MAX.MOLD)		mm	150~370 (*90~310) (**130~350) (***)140~360	
EJECTION FORCE		kN(tf)	20 (2.0)	
EJECTOR STROKE		mm	70	
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	6.6	
	200V SPEC		5.4	
APPARENT POWER	STD	kVA	23.1	
	High Duty		16.0	
	High Speed		37.3	
MAIN BREAKER CAPACITY	STD	A	50	
	High Duty		50	
	High Speed		100	
SHORT-CIRCUIT CURRENT RATING	STD	kA	5/3	
	High Duty		5/3	
	High Speed		25/13	
POWER	STD	kW	14.3	
	High Duty		12.3	
	High Speed		18.3	
MACHINE DIMENSIONS (L × W × H)		m	3.9 × 1.3 × ■1.6	
MACHINE WEIGHT		t	3.2	
<p>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 235(H) × 210(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.</p>				
10 : 1 MPa=10.2kgf/cm <sup>2</sup> , 1kN=0.102tf				