

EC230SXIII MAJOR SPECIFICATIONS

ITEM		UNIT	MODEL EC230SXIII		
INJECTION UNIT CODE			i8		
BARREL CODE			Y	A	B
SCREW DIAMETER		mm	45	50	55
INJECTION VOLUME CALCULATED		cm ³	318	392	475
SHOT WEIGHT	PS	g	292	361	437
	PE		232	286	346
INJECTION PRESSURE		MPa	247	200	165
		kgf/cm ²	2510	2040	1680
HOLDING PRESSURE		MPa	247	200	165
		kgf/cm ²	2510	2040	1680
INJECTION SPEED	STD	mm/s	160		
INJECTION RATE (MAX)		cm ³ /s	254	314	380
INJECTION SPEED	Semi-High Speed	mm/s	250		
INJECTION RATE (MAX)		cm ³ /s	397	490	593
INJECTION SPEED	High Speed	mm/s	350		
INJECTION RATE (MAX)		cm ³ /s	556	687	831
PLASTICIZING CAPACITY	PS	kg/h	120	160	190
MAXIMUM SCREW SPEED		min ⁻¹	285	255	230
SCREW TORQUE		N·m	1058	1421	1421
SCREW STROKE		mm	200		
NOZZLE TOUCH FORCE		kN(tf)	29.4(3.0)		
CLAMPING FORCE		kN(tf)	2250(230)		
DISTANCE BETWEEN TIE RODS (H×V)		mm	610×560		
PLATEN DIMENSIONS (H×V)		mm	880×830		
OPENING STROKE		mm	550		
OPEN DAYLIGHT (Max.)		mm	1230(*1170) (**1210) (***)1220)		
CLOSED DAYLIGHT (MIN.~MAX.MOLD)		mm	250~680(*190~620) (**230~660) (***)240~670)		
EJECTION FORCE		kN(tf)	49(5.0)		
EJECTOR STROKE		mm	130		
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	15.3		15.9
	200V SPEC		12.6		13.1
APPARENT POWER	STD	kVA	55.6		
	High Duty		37.5		
	High Speed		76.2		
MAIN BREAKER CAPACITY	STD	A	125		
	High Duty		125		
	High Speed		175		
SHORT-CIRCUIT CURRENT RATING	STD	kA	36/18		
	High Duty		36/18		
	High Speed		36/18		
POWER	STD	kW	41.2		
	High Duty		41.2		
	High Speed		40.6		
MACHINE DIMENSIONS (L×W×H)		m	<A,Y>6.3×1.7× [■] 2.0 6.4×1.7× [■] 2.0		
MACHINE WEIGHT		t	9.3		

- 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 360(H)×335(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=10.2kgf/cm², 1kN=0.102tf