

Major Specifications

ITEM	UNIT	MODEL EC50SXIII		MODEL EC75SXIII			
INJECTION UNIT CODE		i1.5		i2			
BARREL CODE		Y	A	Y	A	B	
SCREW DIAMETER	mm	25	28	28	32	36	
INJECTION VOLUME CALCULATED	cm ³	55	69	78	102	130	
SHOT WEIGHT	PS	51	63	72	94	120	
	PE	40	50	57	75	95	
INJECTION PRESSURE	MPa	276	220	287	220	174	
	kgf/cm ²	2810	2240	2920	2240	1770	
HOLDING PRESSURE	MPa	276	220	287	220	174	
	kgf/cm ²	2810	2240	2920	2240	1770	
INJECTION SPEED	STD	mm/s		200			
INJECTION RATE (MAX)		cm ³ /s	98	123	123	161	204
INJECTION SPEED	Semi-High Speed	mm/s		300			
INJECTION RATE (MAX)		cm ³ /s	147	184	184	241	305
INJECTION SPEED	High Speed	mm/s		500			
INJECTION RATE (MAX)		cm ³ /s	245	308	308	402	509
PLASTICIZING CAPACITY	PS	kg/h	25	35	40	61	83
MAXIMUM SCREW SPEED		min ⁻¹	390	390	400	390	350
SCREW TORQUE		N-m	204	280	280	407	407
SCREW STROKE		mm	112		128		
NOZZLE TOUCH FORCE		kN(tf)	17.7(1.8)		17.7(1.8)		
CLAMPING FORCE		kN(tf)	490 (50)		735 (75)		
DISTANCE BETWEEN TIE RODS (H×V)		mm	410×360		410×360		
PLATEN DIMENSIONS (H×V)		mm	510×460		580×530		
OPENING STROKE		mm	300		300		
OPEN DAYLIGHT (Max.)		mm	670 (★610) (★★650) (★★★660)		770 (★710) (★★750) (★★★760)		
CLOSED DAYLIGHT (MIN.~MAX.MOLD)		mm	150~370 (★90~310) (★★130~350) (★★★140~360)		150~470 (★90~410) (★★130~450) (★★★140~460)		
EJECTION FORCE		kN(tf)	20 (2.0)		20 (2.0)		
EJECTOR STROKE		mm	70		70		
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	6.6		6.9		7.7
	200V SPEC		5.4		5.7		6.3
APPARENT POWER	Semi-High Speed	kVA	23.1		29.7		
	STD		16.0		20.4		
	High Speed		37.3		48.2		
MAIN BREAKER CAPACITY	Semi-High Speed	A	50		75		
	STD		50		75		
	High Speed		100		125		
SHORT-CIRCUIT CURRENT RATING	Semi-High Speed	kA	5/3		25/13		
	STD		5/3		25/13		
	High Speed		25/13		36/18		
POWER	Semi-High Speed	kW	14.3		19.8		
	STD		12.3		19.8		
	High Speed		18.3		32.8		
MACHINE DIMENSIONS (L×W×H)		m	3.9×1.3×■1.6		4.1×1.3×■1.6		4.2×1.3×■1.6
MACHINE WEIGHT		t	3.2		3.3		

MODEL EC50SXIII

<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 SHIBAURA 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</p>

MODEL EC75SXIII

<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 (10 mm) are attached. Values marked with ★★★ vary with optional insulating plates (5 mm) are attached. 8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA 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 : 1 MPa=10.2kgf/cm², 1 kN=0.102tf</p>
