

Major Specifications

ITEM	UNIT	MODEL EC100SXIII						MODEL EC130SXIII			
INJECTION UNIT CODE		i2			i4			i4			
BARREL CODE		Y	A	B	Y	A	B	Y	A	B	
SCREW DIAMETER	mm	28	32	36	36	40	45	36	40	45	
INJECTION VOLUME CALCULATED	cm ³	78	102	130	162	201	254	162	201	254	
SHOT WEIGHT	PS	72	94	120	145	180	230	145	180	230	
	PE	57	75	95	115	145	185	115	145	185	
INJECTION PRESSURE	MPa	287	220	174	247	200	158	247	200	158	
	kgf/cm ²	2920	2240	1770	2510	2040	1610	2510	2040	1610	
HOLDING PRESSURE	MPa	287	220	174	247	200	158	247	200	158	
	kgf/cm ²	2920	2240	1770	2510	2040	1610	2510	2040	1610	
INJECTION SPEED	STD	mm/s	200			200			200		
INJECTION RATE (MAX)		cm ³ /s	123	161	204	204	251	318	204	251	318
INJECTION SPEED	Semi-High Speed	mm/s	300			300			300		
INJECTION RATE (MAX)		cm ³ /s	184	241	305	305	376	477	305	376	477
INJECTION SPEED	High Speed	mm/s	500			400			400		
INJECTION RATE (MAX)		cm ³ /s	308	402	509	407	502	636	407	502	636
PLASTICIZING CAPACITY	PS	kg/h	40	61	83	83	110	120	83	110	120
MAXIMUM SCREW SPEED		min ⁻¹	400	390	350	350	320	285	350	320	285
SCREW TORQUE		N-m	280	407	407	566	761	761	566	761	761
SCREW STROKE		mm	128			160			160		
NOZZLE TOUCH FORCE		kN(tf)	17.7(1.8)						17.7(1.8)		
CLAMPING FORCE		kN(tf)	980 (100)						1270 (130)		
DISTANCE BETWEEN TIE RODS (H×V)		mm	460×410						510×460		
PLATEN DIMENSIONS (H×V)		mm	660×610						720×670		
OPENING STROKE		mm	350						400		
OPEN DAYLIGHT (Max.)		mm	900 (★840) (★★880) (★★★890)						950 (★890) (★★930) (★★★940)		
CLOSED DAYLIGHT (MIN.~MAX.MOLD)		mm	180~550 (★120~490) (★★160~530) (★★★170~540)						180~550 (★120~490) (★★160~530) (★★★170~540)		
EJECTION FORCE		kN(tf)	30 (3.0)						30 (3.0)		
EJECTOR STROKE		mm	90						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	Semi-High Speed	kVA	29.7			42.5			42.5		
	STD		20.4			29.4			29.4		
	High Speed		48.2			55.7			55.7		
MAIN BREAKER CAPACITY	Semi-High Speed	A	75			100			100		
	STD		75			100			100		
	High Speed		125			125			125		
SHORT-CIRCUIT CURRENT RATING	Semi-High Speed	kA	25/13			25/13			25/13		
	STD		25/13			25/13			25/13		
	High Speed		36/18			36/18			36/18		
POWER	Semi-High Speed	kW	19.8			23.7			23.7		
	STD		19.8			23.7			23.7		
	High Speed		32.8			37.2			37.2		
MACHINE DIMENSIONS (L×W×H)	m	A,Y 4.6×1.3×■1.7			A,Y 4.8×1.3×■1.7			5.0×1.5×■1.7		5.1×1.5×■1.7	
		B 4.7×1.3×■1.7			B 5.0×1.3×■1.7						
MACHINE WEIGHT		t	4.2			4.3			5.3		

MODEL EC100SXIII

<p>Note) 1 : Due to continuous improvements, specifications are subject to change without notice.</p> <p>2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.</p> <p>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.</p> <p>4 : Min. mold dimensions are 265(H)×240(V). In case of max. clamping force, do not mount smaller mold than described above.</p> <p>5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.</p> <p>6 : Values marked with ★ vary with optional T-slotted mold platen.</p> <p>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.</p> <p>8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.</p> <p>9 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.</p> <p>10 : 1 MPa=10.2kgf/cm², 1 kN=0.102tf</p>
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MODEL EC130SXIII

<p>Note) 1 : Due to continuous improvements, specifications are subject to change without notice.</p> <p>2 : Shot weight and Plasticizing capacity vary according to the material and/or the molding condition.</p> <p>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.</p> <p>4 : Min. mold dimensions are 295(H)×270(V). In case of max. clamping force, do not mount smaller mold than described above.</p> <p>5 : High screw torque may be necessary depends on the type, class of resin and molding condition. Please consult us for more details.</p> <p>6 : Values marked with ★ vary with optional T-slotted mold platen.</p> <p>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.</p> <p>8 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.</p> <p>9 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.</p> <p>10 : 1 MPa=10.2kgf/cm², 1 kN=0.102tf</p>
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