Major Specifications

ITEM		UNIT	MODEL EC1300SXⅢW											
INJECTION UNIT CODE			i78				i120				i155			
BARREL CODE			A		B		A		B		A		B	
			STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH PLASTICIZATION	STD	HIGH PLASTICIZATION
SCREW DIAMETER		mm	105		120		115		125		125		140	
INJECTION VOLUME CALCULATED		cm^3	4320		5650		6560		7750		8430		10570	
SHOT WEIGHT	PS	g	3980		5200		6040		7130		7750		9730	
	PE	g	3160		4120		4790		5660		6150		7720	
INJECTION PRESSURE		MPa	180		138		180		152		180		143	
		kgf/cm^2	1830		1400		1830		1550		1830		1450	
HOLDING PRESSURE		MPa	150		115		150		127		150		119	
		kgf/cm^2	1530		1170		1530		1295		1530		1210	
INJECTION SPEED	STD	mm/s	150				140				135			
INJECTION RATE (MAX.)		cm^3/s	1290		1690		1450		1710		1650		2070	
PLASTICIZING CAPACITY	PS	kg/h	490	270	580	370	520	370	580	440	590	—	690	—
	PP+TALC		—	—	—	—	—	—	—	—	—	640	—	800
MAXIMUM SCREW SPEED		min^{-1}	127	71	110	71	110	78	101	78	101	127	90	114
SCREW TORQUE		N-m	7090	10300	7090	10300	9150	13700	9150	13700	14500	9260	14500	11430
SCREW STROKE		mm	500				632.5				687.5			
NOZZLE TOUCH FORCE		kN(tf)	58.8 (6.0)				92.4 (9.4)				92.4(9.4)			
CLAMPING FORCE		kN(tf)	12700(1300)				12700(1300)				12700(1300)			
DISTANCE BETWEEN TIE RODS (H×V)		mm	1710×1410				1710×1410				1710×1410			
PLATEN DIMENSIONS (H×V)		mm	2300×2000				2300×2000				2300×2000			
OPENING STROKE		mm	1500				1500				1500			
OPEN DAYLIGHT (MAX.)		mm	2800 (★2780)				2800 (★2780)				2800 (★2780)			
CLOSED DAYLIGHT (MIN.～MAX.MOLD)		mm	650～1300 (★630～1280)				650～1300 (★630～1280)				650～1300 (★630～1280)			
EJECTION FORCE		kN(tf)	280 (28.5)				280 (28.5)				280 (28.5)			
EJECTOR STROKE		mm	250				250				250			
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	57.2				60.9		69.4		67.6		82.6	
	200V SPEC		47.6				50.2		57.3		56.2		68.2	
APPARENT POWER	STD	kVA	141.1				163				184			
MAIN BREAKER CAPACITY	STD	A	350				400				500			
MACHINE DIMENSIONS (L×W×H)		m	12.8×3.5×■3.1				12.7×3.5×■3.1		12.8×3.5×■3.1		13.1×3.5×■3.3		13.4×3.5×■3.3	
MACHINE WEIGHT		t	88.9				95.9				110			

MODEL EC1300SXⅢW i78

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 970(H) ×820(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 insulating plates (10 ㎜) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 : 1MPa=10.2kgf/cm^2 , 1 kN=0.102tf

MODEL EC1300SXⅢW i120

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 970(H) ×820(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 insulating plates (10 ㎜) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 : 1MPa=10.2kgf/cm^2 , 1 kN=0.102tf

MODEL EC1300SXⅢW i155

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 970(H) ×820(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 insulating plates (10 ㎜) are attached.
7 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
8 : Values marked with ■Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
9 : The high plasticization specification values are for when a special screw for olefin resins such as PP is installed.
10: 1MPa=10.2kgf/cm^2 , 1 kN=0.102tf