

Major Specifications

ITEM		UNIT	MODEL EC1600SXIIIW				MODEL EC1800SXIII			
INJECTION UNIT CODE			i120		i155		i120		i155	
BARREL CODE			A	B	A	B	A	B	A	B
SCREW DIAMETER		mm	115	125	125	140	115	125	125	140
INJECTION VOLUME CALCULATED		cm ³	6560	7750	8430	10570	6560	7750	8430	10570
SHOT WEIGHT	PS	g	6040	7130	7755	9730	6040	7130	7755	9730
	PE	g	4790	5660	6150	7720	4790	5660	6150	7720
INJECTION PRESSURE		MPa	180	152	180	143	180	152	180	143
		kgf/cm ²	1830	1550	1830	1450	1830	1550	1830	1450
HOLDING PRESSURE		MPa	150	127	150	119	150	127	150	119
		kgf/cm ²	1530	1295	1530	1210	1530	1295	1530	1210
INJECTION SPEED		mm/s	140		135		140		135	
INJECTION RATE (MAX)		cm ³ /s	1450	1710	1650	2070	1450	1710	1650	2070
PLASTICIZING CAPACITY	PS	kg/h	650	730	730	880	650	730	730	880
MAXIMUM SCREW SPEED		min ⁻¹	110	127	127	114	110	101	127	114
SCREW TORQUE		N-m	8660	8660	9264	11430	8660	8660	9264	11430
SCREW STROKE		mm	632.5		687.5		632.5		687.5	
NOZZLE TOUCH FORCE		kN(tf)	92.2 (9.4)				92.2 (9.4)			
CLAMPING FORCE		kN(tf)	15700(1600)				17650(1800)			
DISTANCE BETWEEN TIE RODS (H×V)		mm	1850×1660				1850×1660			
PLATEN DIMENSIONS (H×V)		mm	2600×2350				2600×2350			
CLAMP STROKE		mm	1700				1700			
OPEN DAYLIGHT (MAX.)		mm	3200				3200			
CLOSED DAYLIGHT (MIN. MOLD)		mm	800~1500				800~1500			
EJECTION FORCE		kN(tf)	431 (44.0)				431 (44.0)			
EJECTOR STROKE		mm	300				300			
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	50.4	57.4	58.1	70.1	50.4	57.4	58.1	70.1
	200V SPEC		61.2	70.2	69.9	84.9	61.2	70.2	69.9	84.9
APPARENT POWER		kVA	165		185		165		185	
MAIN BRAKER CAPACITY		A	400		500		400		500	
MACHINE DIMENSIONS (L×W×H)		m	13.7x3.8x3.5		13.9x3.8x3.5		13.7x3.8x3.5		13.9x3.8x3.5	
MACHINE WEIGHT		t	132		137		132		137	

MODEL EC1600SXIIIW

- Note) 1 : Due to continuous improvements, specifications are subject to change.
 2 : Shot weight and plasticizing capacity vary 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 1300(H) x 1180(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 forming condition.
 Please consult us for more details.
 6 : 1MPa=10.2kgf/cm², 1kN=0.102tf

MODEL EC1800SXIII

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