

Major Specifications

ITEM		UNIT	MODEL EC2500SXIII			
INJECTION UNIT CODE			i215			
BARREL CODE			AM	A	BHM	BH
			STD (for PP)	General Spec	STD(for PP)	General Spec
SCREW DIAMETER		mm	140		150	
INJECTION VOLUME CALCULATED		cm ³	11840		13600	
SHOT WEIGHT	PS	g	10890		12510	
	PE		8640		9790	
INJECTION PRESSURE		MPa	180		160	
		kgf/cm ²	1830		1630	
HOLDING PRESSURE		MPa	150		140	
		kgf/cm ²	1530		1430	
INJECTION SPEED		mm/s	130			
INJECTION RATE (MAX)			cm ³ /s	2000		2297
PLASTICIZING CAPACITY		PS	—	690	—	760
		PP+taic	900	750	1050	820
MAXIMUM SCREW SPEED		min ⁻¹	114	90	106	85
SCREW TORQUE		N-m	12700	15900	13800	17300
SCREW STROKE		mm	770			
NOZZLE TOUCH FORCE		kN(tf)	142 (14.5)			
CLAMPING FORCE		kN(tf)	24500 (2500)			
DISTANCE BETWEEN TIE RODS (H×V)		mm	2120×1820			
PLATEN DIMENSIONS (H×V)		mm	3000×2350			
OPENING STROKE		mm	1800			
OPEN DAYLIGHT (MAX.)		mm	3500			
CLOSED DAYLIGHT (MIN.~MAX.MOLD)		mm	800~1700			
EJECTION FORCE		kN(tf)	431 (44)			
EJECTOR STROKE		mm	350			
HEATER POWER (STANDARD NOZZLE PROJECTION)		220V SPEC	125	85	169	115
		200V SPEC	103	70	140	95
APPARENT POWER	STD	kVA	275			
MAIN BREAKER CAPACITY	STD	A	700			
MACHINE DIMENSIONS (L×W×H)		m	16.3×4.6×3.9 [■]		16.6×4.6×3.9 [■]	
MACHINE WEIGHT		t	200			

MODEL EC2500SXIII

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 : Values of Apparent power and Main Breaker Capacities and Heater Power differ when optional equipments are attached. Please contact SHIBAURA MACHINE.
 5 : Values marked with [■] Machine height differs by optional Alarm Warning Indicator specification. Refer to the attached drawing of "General View" for details.
 6 : 1MPa=10.2kgf/cm², 1 kN=0.102tf