

Major Specifications

ITEM		UNIT	MODEL EC650SX III							
INJECTION UNIT CODE			i61				i78			
BARREL CODE			A		B		A		B	
			STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH TORQUE
SCREW DIAMETER		mm	95		105		105		120	
INJECTION VOLUME CALCULATED		cm ³	3150		3850		4320		5650	
SHOT WEIGHT	PS	g	2900		3540		3980		5200	
	PE		2300		2810		3160		4120	
INJECTION PRESSURE		MPa	180		147		180		138	
		kgf/cm ²	1830		1500		1830		1400	
HOLDING PRESSURE		MPa	150		123		150		115	
		kgf/cm ²	1530		1255		1530		1170	
INJECTION SPEED	STD	mm/s	150				150			
INJECTION RATE (MAX.)		cm ³ /s	1060		1290		1290		1690	
PLASTICIZING CAPACITY	PS	kg/h	420	290	490	370	490	270	580	370
MAXIMUM SCREW SPEED		min ⁻¹	140	95	127	95	127	71	110	71
SCREW TORQUE		N-m	5500	7090	5500	7090	7090	10300	7090	10300
SCREW STROKE		mm	445				500			
NOZZLE TOUCH FORCE		kN(tf)	58.8 (6.0)				58.8 (6.0)			
CLAMPING FORCE		kN(tf)	6370 (650)							
DISTANCE BETWEEN TIE RODS (H×V)		mm	1060×960							
PLATEN DIMENSIONS (H×V)		mm	1500×1400							
OPENING STROKE		mm	1000							
OPEN DAYLIGHT (MAX.)		mm	2050 (★2030)							
CLOSED DAYLIGHT (MIN.~MAX. MOLD)		mm	450~1050 (★430~1030)							
EJECTION FORCE		kN(tf)	177 (18.0)							
EJECTOR STROKE		mm	200							
HEATER POWER (STANDARD NOZZLE PROJECTION)	220V SPEC	kW	44.4				57.2			
	200V SPEC		37.1				47.6			
APPARENT POWER	STD	kVA	115				141			
MAIN BREAKER CAPACITY	STD	A	300				350			
MACHINE DIMENSIONS (L×W×H)		m	10.1×2.5× [■] 2.6				10.4×2.5× [■] 2.7		10.7×2.5× [■] 2.7	
MACHINE WEIGHT		t	40.0				41.5			

MODEL EC650SX III

- 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 660(H) × 610(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 (10mm) 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/cm², 1kN=0.102tf