

ITEM		Unit	EC1450SXIII							
CLAMP	Clamping Force	tf	1300							
		US Ton	1433							
	Tie Bar Distance (HxV)	mm	1400 x 1400							
		in	55.1 x 55.1							
	Platen Dimension (HxV)	mm	2000 x 2000							
		in	78.7 x 78.7							
	Clamp Stroke	mm	1500							
		in	59.0							
	Maximum Daylight	mm	2800							
		in	110.2							
	Mold Height (Min~Max)	mm	650 ~ 1300							
		in	25.6 ~ 51.2							
Ejector Force	tf	28.5								
	US Ton	31.4								
Ejector Stroke	mm	250								
	in	9.8								
Injection Unit			i120				i155			
Barrel Code			AT		B		A		B	
			STD	HIGH TORQUE	STD	HIGH TORQUE	STD	HIGH PLASTICIZATION	STD	HIGH PLASTICIZATION
Screw Diameter		mm	115		125		125		140	
		in	4.52		4.92		4.92		5.51	
Injection Capacity		cm ³	6560		7750		8430		10570	
		in ³	401		474		515		645	
Shot Volume	PS	g	6040		7130		7750		9730	
		oz	213		252		273.5		343.2	
	PE	g	4790		5660		6150		7720	
		oz	169		200		216.9		272.3	
Maximum Injection Pressure		MPa	180		152		180		143	
		PSI	26100		22000		26100		20700	
Maximum Holding Pressure		MPa	150		127		150		119	
		PSI	21700		18400		21700		17200	
Injection Velocity		mm/s	140				135			
		in/s	5.5				5.3			
Injection Rate		cm ³ /s	1450		1710		1650		2070	
		in ³ /s	88.5		104		101		126	
Plasticizing Capacity	STD (PS)	g/sec	144	—	161	—	164	—	192	—
		oz/sec	5.09	—	5.68	—	5.78	—	6.75	—
	HIGH TORQUE (PS)	g/sec	—	103	—	122	—	—	—	—
		oz/sec	—	3.62	—	4.31	—	—	—	—
HIGH PLASTICIZATION (PP+TALC)	g/sec	—	—	—	—	—	178	—	222	
	oz/sec	—	—	—	—	—	6.27	—	7.83	
Screw Speed	STD	rpm	110	—	101	—	101	—	90	—
	HIGH TORQUE	rpm	—	78	—	78	—	—	—	—
	HIGH PLASTICIZATION	rpm	—	—	—	—	—	127	—	114
Screw Torque	STD	N·m	9150	—	9150	—	14500	—	14500	—
		lbf·ft	6750	—	6750	—	10690	—	10690	—
	HIGH TORQUE	N·m	—	13700	—	13700	—	—	—	—
		lbf·ft	—	10100	—	10100	—	—	—	—
HIGH PLASTICIZATION	N·m	—	—	—	—	—	9260	—	11430	
	lbf·ft	—	—	—	—	—	6830	—	8430	
Nozzle Touch Force		kN	92.4				92.4			
		US Ton	10.4				10.4			
GENERAL	Main Breaker Capacity	A	400				500			
	Apparent Power	kVA	166				185			
	Heater Capacity	kW	67.9				67.9		82.6	
	Machine Dimensions L x W x H	m	12.8 x 3.2 x 3.2				13.1 x 3.2 x 3.4		13.4 x 3.2 x 3.4	
		ft	41.7 x 10.3 x 10.4				42.9 x 10.5 x 11.2		43.9 x 10.5 x 11.2	
	Machine Weight	t	89.4				103			
US Ton		98.5				113				

Note)

- 1 : Due to continuous improvements, specifications are subject to change without notice.
- 2 : Shot weight and Plasticizing capacity vary according to the materials and/or the molding conditions.
- 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 32.3in(H) x 32.3in(V), 820mm(H) x 820mm(V).
In case of Max. Clamping Force, do not mount smaller mold than described above.
- 5 : High screw torque may be necessary depending on the type of resin and running condition. Please consult us for more details.
- 6 : Values of Apparent power, Main Breaker Capacities and Heater Power differ when optional equipment is attached.
Please contact SHIBAURA MACHINE.
- 7 : The high plasticization specification values are for when a special screw for olefin resins such as PP is installed.

SHIBAURA MACHINE COMPANY, AMERICA

755 Greenleaf Avenue | Elk Grove Village, IL 60007 | (888) 593-1616 | im-success@shibaura-machine.com