

2.4 Main Specification

SE100DUZ

2008.04.17

● Clamping unit

Clamping system		Double toggle (5 points)	
Maximum Clamp force	kN {tf}	980 {100}	
Clearance between tie-bars (H x V)	mm	460 X 410	
Platen dimension (H x V)	mm	650 X 600	
Daylight	mm	760	
Mold opening stroke	mm	350	
Mold thickness	min.	mm	180
	max	mm	410
Locator diameter	mm	φ 110	
Ejector mechanism	—	Motor driven type (5 points)	
Ejector force	kN {tf}	32 {3.3}	
Ejector stroke	mm	100	

● Plasticization unit

Screw diameter	mm	C110			C160			C250			C360		
		S			S			M			M		
Maximum injection pressure * 1, * 2	MPa {kgf/cm ² }	274 {2800}	212 {2170}	174 {1780}	274 {2800}	218 {2230}	167 {1710}	284 {2900}	217 {2220}	171 {1750}	273 {2790}	215 {2200}	167 {1710}
Maximum holding pressure * 1, * 2	MPa {kgf/cm ² }	219 {2240}	170 {1736}	139 {1424}	219 {2240}	175 {1784}	134 {1368}	227 {2320}	174 {1776}	137 {1400}	218 {2232}	172 {1760}	134 {1368}
Theoretical injection capacity	cm ³	40	51	64	51	64	84	86	113	143	129	163	201
Injection weight (GPPS)	g	38	49	61	49	61	80	83	108	137	124	156	193
	OZ	1.3	1.7	2.2	1.7	2.2	2.8	2.9	3.8	4.8	4.4	5.5	6.8
Plasticization capability * 3 (GPPS at MAX rotation)	kg/h	18	26	37	26	37	53	37	53	76	53	76	101
	(rpm)	(400)	(400)	(400)	(400)	(400)	(400)	(400)	(400)	(400)	(400)	(400)	(400)
Injection rate	cm ³ /s	190	245	308	196	246	322	185	241	305	241	305	377
Screw stroke	mm	104						140			160		
Maximum injection speed	mm/s	500			400			300					
Screw maximum rotation speed	rpm	400											
Number of temperature control zones		5											
Heater capacity	kW	3.9	4.3	4.8	4.3	4.8	5.5	6.6	7.6	8.5	7.6	8.5	10.4
Nozzle pushing force * 7, * 8	A	11 {1.2}											
	B	14 {1.5}											
	(OP)	(11 {1.2})						(45 {4.6})					
Moveable stroke (protrusion)	mm	305(30)						320 (45)					
Hopper capacity	l	15						30					

● Machine dimension and weight

Machine dimension (L x W x H) * 4	mm	4630 X 1169 X 1947	4630 X 1169 X 1947	4630 X 1169 X 1947	4630 X 1169 X 1947
Machine mass	t	3.9	3.9	4.0	4.1

- * 1: The maximum injection pressure and the maximum holding pressure are calculated values. These values indicate not the resin pressure but the output of the unit.
- * 2: The maximum injection pressure and the maximum holding pressure are not values that can be sustained continuously.
- * 3: The plasticization capacity value indicates the capacity when the SD screw is loading.
- * 4: The full length of the machine is the measurement taken when the smallest screw is loaded at the forward position of the injection unit.
- * 5: The values within { } brackets are only reference figures.
- * 6: We appreciate your kind understanding that as a result of our effort to enhance performance, there may be slight modifications to the specifications.
- * 7: The value in () denotes an option.
- * 8: Either of A or B is selectable.