



SE50D (English Units)

Direct-Drive All-Electric

www.sumitomoPM.com

CLAMP SPECIFICATIONS

Clamping force	U.S. tons	55
Distance between tie-bars	in	14.17 x 12.20
Overall size of platens (H x V)	in	19.69 x 18.31
Open daylight (max.)	in	23.62
Mold space (min.-max.)	in	6.30 - 13.78
Opening stroke (max.)	in	9.84
Mold open/close speed (max.)	in/sec	47.2
Locating ring diameter	in	4.0
Ejector pattern		Center, 7.0 in (5 points)
Ejector stroke	in	2.75
Ejector force	U.S. tons	2.42

INJECTION SPECIFICATIONS

Plasticizing unit		C75S			C110S			C160S		
Screw diameter	mm	20	22	25	22	25	28	25	28	32
Injection pressure	p.s.i.	39,250	32,420	25,030	39,820	30,860	25,310	39,820	31,710	24,320
Holding pressure	p.s.i.	31,400	25,940	20,060	31,850	24,690	20,250	31,850	25,370	19,450
Injection capacity	in ³	1.7	2.0	2.6	2.4	3.1	3.9	3.1	3.9	5.1
Injection weight (GPPS)	g	26	32	41	38	49	61	49	61	80
	oz	0.9	1.1	1.5	1.3	1.7	2.2	1.7	2.2	2.8
Plasticizing capacity (max.)	lb/hr	29	40	57	40	57	81	57	81	117
Injection rate (max.)	in ³ /sec	9.6	11.6	15.0	11.6	15.0	18.8	12.0	15.0	19.6
Screw stroke	in	3.45			4.09			4.09		
Injection speed (max.)	in/sec	19.7			19.7			15.7		
Screw speed (max.)	rpm	400			400			400		
Heater capacity (4 zones)	KW	3.2	3.6	4.1	3.6	4.1	4.6	4.1	4.6	5.1
Nozzle contact force	U.S. tons	0.88			0.88			0.88		
Injection unit stroke (penetration)	in	8.07 (1.18)			8.07 (1.18)			8.07 (1.18)		
Hopper capacity	in ³	915			915			915		

MACHINE SPECIFICATIONS

Main breaker capacity	amps	100	100	100
Machine dimensions (L x W x H)	in	143 x 39 x 66	143 x 39 x 66	143 x 39 x 66
Machine weight	U.S. tons	2.4	2.6	2.7

NOTE: Specifications subject to change without notice. Machine series photo at top may be different model size.