



## SE180D (English Units)

Direct-Drive All-Electric

[www.sumitomoPM.com](http://www.sumitomoPM.com)

### CLAMP SPECIFICATIONS

Clamping force	U.S. tons	198
Distance between tie-bars	in	22.05 x 20.08
Overall size of platens (H x V)	in	31.50 x 29.53
Open daylight (max.)	in	37.40
Mold space (min.-max.)	in	7.87 - 19.69
Opening stroke (max.)	in	17.72
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	4.72
Ejector force	U.S. tons	5.06

### INJECTION SPECIFICATIONS

Plasticizing unit		C360M			C450M			C510M		
Screw diameter	mm	32	36	40	36	40	45	40	45	50
Injection pressure	p.s.i.	39,670	31,280	24,320	37,680	30,430	24,030	35,550	28,010	22,750
Holding pressure	p.s.i	31,740	25,030	19,450	30,150	24,340	19,230	28,440	22,410	18,200
Injection capacity	in <sup>3</sup>	7.9	9.9	12.3	9.9	12.3	15.5	12.3	15.5	19.2
Injection weight (GPPS)	g	124	156	193	156	193	244	193	244	302
	oz	4.4	5.5	6.8	5.5	6.8	8.7	6.8	8.7	10.7
Plasticizing capacity (max.)	lb/hr	117	167	222	167	222	328	222	328	444
Injection rate (max.)	in <sup>3</sup> /sec	14.7	18.6	23.0	18.6	23.0	29.1	23.0	29.1	35.9
Screw stroke	in	6.30			6.30			6.30		
Injection speed (max.)	in/sec	11.81			11.81			11.81		
Screw speed (max.)	rpm	400			400			400		
Heater capacity (4 zones)	KW	7.6	8.5	10.5	8.5	10.5	11.1	10.5	11.1	11.5
Nozzle contact force	U.S. tons	1.32			2.75			2.75		
Injection unit stroke (penetration)	in	14.96 (2.56)			14.96 (2.56)			14.96 (2.56)		
Hopper capacity	in <sup>3</sup>	1831			3051			3051		

### MACHINE SPECIFICATIONS

Main breaker capacity	amps	175	175	175
Machine dimensions (L x W x H)	in	222 x 51 x 77	222 x 51 x 81	222 x 51 x 81
Machine weight	U.S. tons	7.0	7.2	7.2

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