



SE180DUZ (English Units)

Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	U.S. ton	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. ton	5.06

INJECTION SPECIFICATIONS

Plasticizing unit		C160S			C250M			C360M			C450M			C510M		
Screw diameter	mm	25	28	32	28	32	36	32	36	40	36	40	45	40	45	50
Injection pressure	p.s.i	39,820	31,710	24,320	41,240	31,570	24,890	39,670	31,280	24,320	37,680	30,430	24,030	35,550	28,010	22,750
Holding pressure	p.s.i	31,850	25,370	19,450	32,990	25,250	19,910	31,740	25,030	19,450	30,150	24,340	19,230	28,440	22,410	18,200
Injection capacity	in ³	3.1	3.9	5.1	5.2	6.9	8.7	7.9	9.9	12.3	9.9	12.3	15.5	12.3	15.5	19.2
Injection weight (GPPS)	g	49	61	80	83	108	137	124	156	193	156	193	244	193	244	302
	oz	1.7	2.2	2.8	2.9	3.8	4.8	4.4	5.5	6.8	5.5	6.8	8.7	6.8	8.7	10.7
Plasticizing capacity (max.)	lb/hr	57	81	117	81	117	167	117	167	222	167	222	300	222	300	425
Injection rate	in ³ /sec	12.0	15.0	19.6	11.3	14.7	18.6	14.7	18.6	23.0	18.6	23.0	29.1	23.0	29.1	35.9
Screw stroke	in	4.09			5.51			6.30								
Injection speed (max.)	in/sec	15.7			11.81											
Screw speed (rpm)	rpm	400														
Heater capacity (5 Zones)	KW	4.3	4.8	5.5	6.6	7.6	8.5	7.6	8.5	10.4	8.5	10.4	11.0	10.4	11.0	11.3
Nozzle contact force	U.S. ton	1.32 or 1.65 selectable (5.07 optional)									2.76 or 3.31 selectable (5.07 optional)					
Inj. unit stroke (penetration)	in	14.17 (1.18) *			14.96 (2.56) *											
Hopper capacity	in ³	915			1831						3051					

MACHINE SPECIFICATIONS

Main breaker capacity	amps	175
Dimensions (L x W x H)	in	222 x 51 x 77
Machine weight	U.S. ton	7.0

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

* SE180DUZ with either the C160S or C250M with the high precision/high power nozzle touch option provides the following injection unit stroke (penetration): C160S is 12.60 in (1.18 in); and C250M is 13.78 in (1.18 in).