



SE50DUZ (English Units)

Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	U.S. ton	55
Distance between tie-bars	in	14.17 x 12.20
Overall size of platens (H x V)	in	19.69 x 17.71
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. ton	2.42

INJECTION SPECIFICATIONS

Plasticizing unit		C50S			C75S			C110S			C160S		
Screw diameter	mm	18	20	22	20	22	25	22	25	28	25	28	32
Injection pressure	p.s.i.	38,110	30,860	25,460	39,250	32,420	25,030	39,820	30,860	25,310	39,820	31,710	24,320
Holding pressure	p.s.i.	30,490	24,690	20,360	31,400	25,940	20,020	31,850	24,690	20,250	31,850	25,370	19,450
Injection capacity	in ³	1.2	1.4	1.7	1.7	2.0	2.6	2.4	3.1	3.9	3.1	3.9	5.1
Injection weight (GPPS)	g	18	22	27	26	32	41	38	49	61	49	61	80
	oz	0.6	0.8	0.9	0.9	1.1	1.5	1.3	1.7	2.2	1.7	2.2	2.8
Plasticizing capacity (max.)	lb/hr	22	29	40	29	40	57	40	57	81	57	81	117
Injection rate	in ³ /sec	7.8	9.6	11.6	9.6	11.6	15.0	11.6	15.0	18.8	12.0	15.0	19.6
Screw stroke	in	2.87			3.45			4.09					
Injection speed (max.)	in/sec	19.7									15.7		
Screw speed (rpm)	rpm	400											
Temp. Control Zones		4		5	4	5							
Heater capacity	KW	3.2	3.5	3.9	3.5	3.9	4.3	3.9	4.3	4.8	4.3	4.8	5.5
Nozzle contact force	U.S. ton	0.66 or 0.88 selectable (1.32 optional)						0.88 or 1.10 selectable (1.32 optional)					
Inj. unit stroke (penetration)	in	9.84 (1.18) *											
Hopper capacity	in ³	915											

MACHINE SPECIFICATIONS

Main breaker capacity	amps	100
Dimensions (L x W x H)	in	143 x 39 x 67
Machine weight	U.S. ton	2.3
		2.4
		2.6
		2.7

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

* For SE50DUZ-C50S with high precision/high power nozzle touch option, the injection unit stroke (penetration) is 8.27 (1.18).



SE75DUZ (English Units)

Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	U.S. ton	83
Distance between tie-bars	in	16.14 x 14.17
Overall size of platens (H x V)	in	22.83 x 20.87
Open daylight (max.)	in	27.95
Mold space (min.-max.)	in	6.30 - 16.14
Opening stroke (max.)	in	11.81
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	3.15
Ejector force	U.S. ton	2.98

INJECTION SPECIFICATIONS

Plasticizing unit		C110S			C160S			C250M		
Screw diameter	mm	22	25	28	25	28	32	28	32	36
Injection pressure	p.s.i.	39,820	30,860	25,310	39,820	31,710	24,320	41,240	31,570	24,890
Holding pressure	p.s.i.	31,850	24,690	20,250	31,850	25,370	19,450	32,990	25,250	19,910
Injection capacity	in ³	2.4	3.1	3.9	3.1	3.9	5.1	5.2	6.9	8.7
Injection weight (GPPS)	g	38	49	61	49	61	80	83	108	137
	oz	1.3	1.7	2.2	1.7	2.2	2.8	2.9	3.8	4.8
Plasticizing capacity (max.)	lb/hr	40	57	81	57	81	117	81	117	167
Injection rate (max.)	in ³ /sec	11.6	15.0	18.8	12.0	15.0	19.6	11.3	14.7	18.6
Screw stroke	in	4.09			4.09			5.51		
Injection speed (max.)	in/sec	19.7			15.7			11.8		
Screw speed (max.)	rpm	400			400			400		
Heater capacity (5 zones)	KW	3.9	4.3	4.8	4.3	4.8	5.5	6.6	7.6	8.5
Nozzle contact force	U.S. ton	1.32 or 1.65 selectable			1.32 or 1.65 selectable (5.07 optional)					
Injection unit stroke (penetration)	in	11.22 (1.18)			11.22 (1.18)			11.81 (1.77)		
Hopper capacity	in ³	915			915			1831		

MACHINE SPECIFICATIONS

Main breaker capacity	amps	125	125	125
Machine dimensions (L x W x H)	in	167 x 42 x 68	167 x 42 x 68	167 x 42 x 71
Machine weight	U.S. ton	3.4	3.5	3.7

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



SE100DUZ (English Units)

Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	U.S. ton	110
Distance between tie-bars	in	18.11 x 16.14
Overall size of platens (H x V)	in	25.59 x 23.62
Open daylight (max.)	in	29.92
Mold space (min.-max.)	in	7.09 - 16.14
Opening stroke (max.)	in	13.78
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	3.94
Ejector force	U.S. ton	3.63

INJECTION SPECIFICATIONS

Plasticizing unit		C110S			C160S			C250M			C360M		
		mm	22	25	28	25	28	32	28	32	36	32	36
Screw diameter	mm	22	25	28	25	28	32	28	32	36	32	36	40
Injection pressure	p.s.i.	39,820	30,860	25,310	39,820	31,710	24,320	41,240	31,570	24,890	39,670	31,280	24,320
Holding pressure	p.s.i.	31,850	24,690	20,250	31,850	25,370	19,450	32,990	25,250	19,910	31,740	25,030	19,450
Injection capacity	in ³	2.4	3.1	3.9	3.1	3.9	5.1	5.2	6.9	8.7	7.9	9.9	12.3
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
Plasticizing capacity (max.)	lb/hr	40	57	81	57	81	117	81	117	167	117	167	222
Injection rate	in ³ /sec	11.6	15.0	18.8	12.0	15.0	19.6	11.3	14.7	18.6	14.7	18.6	23.0
Screw stroke	in	4.09			4.09			5.51			6.30		
Injection speed (max.)	in/sec	19.7			15.7			11.8			11.8		
Screw speed (rpm)	rpm	400			400			400			400		
Heater capacity (5 Zones)	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 contact force	U.S. ton	1.32 or 1.65 selectable			1.32 or 1.65 selectable (5.07 optional)								
Inj. unit stroke (penetration)	in	11.22 (1.18)			12.01 (1.18)			12.60 (1.77)			12.60 (1.77)		
Hopper capacity	in ³	915			915			1831			1831		

MACHINE SPECIFICATIONS

Main breaker capacity	amps	150
Dimensions (L x W x H)	in	183 x 46 x 71 183 x 46 x 71 183 x 46 x 74 183 x 46 x 74
Machine weight	U.S. ton	4.3 4.3 4.4 4.5

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



SE130DUZ (English Units)

Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	U.S. ton	143
Distance between tie-bars	in	20.08 x 18.11
Overall size of platens (H x V)	in	28.35 x 26.38
Open daylight (max.)	in	32.48
Mold space (min.-max.)	in	7.09 - 17.72
Opening stroke (max.)	in	14.76
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	3.94
Ejector force	U.S. ton	3.63

INJECTION SPECIFICATIONS

Plasticizing unit		C160S			C250M			C360M			C450M		
		25	28	32	28	32	36	32	36	40	36	40	45
Screw diameter	mm	25	28	32	28	32	36	32	36	40	36	40	45
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
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
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
Injection weight (GPPS)	g	49	61	80	83	108	137	124	156	193	156	193	244
	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
Plasticizing capacity (max.)	lb/hr	57	81	117	81	117	167	117	167	222	167	222	300
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
Screw stroke	in	4.09			5.51			6.30			6.30		
Injection speed (max.)	in/sec	15.7			11.8			11.8			11.8		
Screw speed (rpm)	rpm	400			400			400			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
Nozzle contact force	U.S. ton	1.32 or 1.65 selectable (5.07 optional)											
Inj. unit stroke (penetration)	in	12.01 (1.18)			13.19 (1.77)			13.19 (1.77)			13.19 (1.77)		
Hopper capacity	in ³	915			1831			1831			3051		

MACHINE SPECIFICATIONS

Main breaker capacity	amps	175											
Dimensions (L x W x H)	in	197 x 49 x 73			197 x 49 x 76			197 x 49 x 76			197 x 49 x 80		
Machine weight	U.S. ton	5.3			5.9			6.0			6.1		

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



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).