



SE18DUZ-HD High-Duty (English Units)

Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	U.S. ton	20
Distance between tie-bars	in	10.23 x 9.25
Overall size of platens (H x V)	in	13.97 x 13.97
Open daylight (max.)	in	16.14
Mold space (min.-max.)	in	5.12 – 9.84
Opening stroke (max.)	in	6.30
Mold open/close speed (max.)	in/sec	47.2
Locating ring diameter	in	2.36
Ejector pattern		Center (1 point)
Ejector stroke	in	1.98
Ejector force	U.S. ton	0.88

INJECTION SPECIFICATIONS

Plasticizing unit		C30S			
Screw diameter	mm	14	16	18	20
Injection pressure	p.s.i.	32,420	38,588	30,490	24,690
Holding pressure	p.s.i.	32,420	38,588	30,490	24,690
Injection capacity	in ³	0.38	0.67	0.85	1.04
Injection weight (GPPS)	g	5.9	11	13	17
	oz	0.2	0.4	0.5	0.6
Plasticizing capacity (max.)	lb/hr	11.2	20.9	28.6	35.2
Injection rate (max.)	in ³ /sec	4.58	6.16	7.75	9.58
Screw stroke	in	1.57	2.17		
Injection speed (max.)	in/sec	19.69			
Screw speed (max.)	rpm	460	430		
Heater capacity (4 zones)	KW	2.3	2.7	2.7	3.1
Nozzle contact force	U.S. ton	0.33			
Injection unit stroke (penetration)	in	6.89 (2.56)			
Hopper capacity	in ³	366			

MACHINE SPECIFICATIONS

Main breaker capacity	amps	60
Machine dimensions (L x W x H)	in	95 x 30 x 60
Machine weight	U.S. ton	1.32

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



SE30DUZ-HD High-Duty (English Units)

Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	U.S. ton	33
Distance between tie-bars	in	12.20 x 11.41
Overall size of platens (H x V)	in	17.32 x 16.54
Open daylight (max.)	in	20.86
Mold space (min.-max.)	in	5.90 – 11.80
Opening stroke (max.)	in	9.05
Mold open/close speed (max.)	in/sec	47.2
Locating ring diameter	in	2.36
Ejector pattern		Center (1 point)
Ejector stroke	in	1.96
Ejector force	U.S. ton	0.88

INJECTION SPECIFICATIONS

Plasticizing unit		C50S			C75S		
Screw diameter	mm	18	20	22	20	22	25
Injection pressure	p.s.i.	38,110	30,860	25,460	39,250	32,420	25,030
Holding pressure	p.s.i.	38,110	30,860	25,460	39,250	32,420	25,030
Injection capacity	in ³	1.2	1.4	1.7	1.7	2.0	2.6
Injection weight (GPPS)	g	18	22	27	26	32	41
	oz	0.6	0.8	0.9	0.9	1.1	1.5
Plasticizing capacity (max.)	lb/hr	22	29	40	29	40	57
Injection rate (max.)	in ³ /sec	7.8	9.6	11.6	9.6	11.6	15.0
Screw stroke	in	2.87			3.45		
Injection speed (max.)	in/sec	19.7			19.7		
Screw speed (max.)	rpm	400			400		
Temp. Control Zones		4	4	5	4	5	5
Heater capacity	KW	3.2	3.5	3.9	3.5	3.9	4.3
Nozzle contact force	U.S. ton	0.66 or 0.88 selectable					
Inj. unit stroke (penetration)	in	8.27 (1.18)			8.27 (1.18)		
Hopper capacity	in ³	915			915		

MACHINE SPECIFICATIONS

Main breaker capacity	amps	75	75
Machine dimensions (L x W x H)	in	126 x 35 x 66	126 x 35 x 66
Machine weight	U.S. ton	2.0	2.0

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



SE50DUZ-HD High-Duty (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		
		18	20	22	20	22	25	22	25	28	25	28	32
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.	38,110	30,860	25,460	39,250	32,420	25,030	39,820	30,860	25,310	39,820	31,710	24,320
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						11.8					
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						0.88 or 1.10 selectable					
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.



SE75DUZ-HD High-Duty (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.	39,820	30,860	25,310	39,820	31,710	24,320	41,240	31,570	24,890
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	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					
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.



SE100EV-HD (English Units) High-Duty All-Electric

CLAMP SPECIFICATIONS

Clamping force	U.S. ton	112
Distance between tie-bars	in	18.1 x 18.1
Overall size of platens (H x V)	in	25.6 x 25.6
Open daylight (max.) (Option B084 selected)	in	31.5 (35.4)
Mold space (min.-max.) (Option B084 selected)	in	7.1~17.7 (7.1~21.7)
Opening stroke (max.)	in	13.8
Mold open/close speed (max.)	in/sec	31.5
Locating ring diameter	in	3.9
Ejector pattern		Motor Driven Type (5 Points)
Ejector stroke (Option B110 selected)	in	3.9 (5.9)
Ejector force (Option B108 selected)	U.S. ton	3.6 (6.6)

INJECTION SPECIFICATIONS

Plasticizing unit		C230HD			C430HD		
		mm	28	32	36	36	40
Screw diameter	mm	28	32	36	36	40	45
Injection pressure	p.s.i.	41,190	31,473	24,801	39,160	31,618	25,091
Holding pressure	p.s.i.	41,190	31,473	24,801	39,160	31,618	25,091
Injection capacity	in ³	5.3	6.8	8.7	9.9	12.3	15.5
Injection weight (GPPS)	g	82	107	136	155	192	243
	oz	2.9	3.7	4.8	5.5	6.8	8.6
Plasticizing capacity (max.)	lb/hr	81.6	117	168	168	222	300
Screw speed (max.)	rpm	400					
Heater capacity (6 zones)	KW	6.5	7.5	8.4	8.4	10.3	11.5
Injection rate (max.) (Option C059 selected)	in ³ /sec	7.5 (6.0)	9.8 (7.8)	12.4 (9.9)	12.4 (9.9)	15.3 (12.3)	19.4 (15.5)
Injection speed (max.) (Option C059 selected)	in/sec	7.9 (6.3)			7.9 (6.3)		
Screw stroke	in	5.5			6.3		
Nozzle contact force	U.S. ton	4.83			4.83		
Injection unit stroke (penetration)	in	12.6 (1.8)			15.0 (1.8)		
Hopper capacity	in ³	1,830			3,050		

MACHINE SPECIFICATIONS

Main breaker capacity	amps	125	
Machine dimensions (L x W x H)	in	177 x 47 x 72 (181 x 47 x 72)	177 x 47 x 76 (181 x 47 x 76)
Machine weight	lbs.	8,818	9,480

NOTE: Specifications subject to change without notice.

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SE130DUZ-HD High-Duty (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.	39,820	31,710	24,320	41,240	31,570	24,890	39,670	31,280	24,320	37,680	30,430	24,030
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	11.8			5.9								
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											
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		

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SE180DUZ-HD High-Duty (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			C700M		
Screw diameter mm	25	28	32	28	32	36	32	36	40	36	40	45	40	45	50	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	31,291	25,318	
Holding 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	31,291	25,318	
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	20.1	24.8	
Injection weight (GPPS) g	49	61	80	83	108	137	124	156	193	156	193	244	193	244	302	316	390	
Injection weight (GPPS) 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	11.2	13.8	
Plasticizing cap. (max.) lb/hr	57	81	117	81	117	167	117	167	222	167	222	300	222	300	425	216	295	
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	15.5	19.2	
Screw stroke mm	4.09			5.51			6.30						8.15					
Injection speed (max.) in/sec	11.8			5.9													6.3	
Screw spd (rpm)	400																250	
Heater capacity KW (5 Zones)	4.3	4.8	5.5	6.6	7.6	8.5	7.6	8.5	10.3	8.5	10.4	11.0	10.4	11.1	11.3	12.8	13.9	
*Nozzle contact force U.S. ton	1.32 or 1.65 selectable									2.76 or 3.31 selectable								
Inj. unit stroke (penetration) in	14.17 (1.18)			14.96 (2.56)														
Hopper capacity in ³	15			30						50								

MACHINE SPECIFICATIONS

Main breaker capacity amps	175																
Dimensions (L x W x H) in	222 x 51 x 77			222 x 51 x 81						222 x 51 x 81						222 x 51 x 82	
Machine wt U.S. ton	7.0			7.2						7.2						7.5	

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