



SE18DUZ-HD High-Duty (Metric Units)

Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	tonf	18
Distance between tie-bars	mm	260 x 235
Overall size of platens (H x V)	mm	355 x 355
Open daylight (max.)	mm	410
Mold space (min.-max.)	mm	130 - 250
Opening stroke (max.)	mm	160
Mold open/close speed (max.)	mm/sec	1200
Locating ring diameter	mm	60
Ejector pattern		Center (1 point)
Ejector stroke	mm	50
Ejector force	tonf	0.8

INJECTION SPECIFICATIONS

Plasticizing unit		C30S			
Screw diameter	mm	14	16	18	20
Injection pressure	kgf/cm ²	2280	2713	2144	1736
Holding pressure	kgf/cm ²	2280	2713	2144	1736
Injection capacity	cm ³	6.2	11	14	17
Injection weight (GPPS)	g	5.9	11	13	17
	oz	0.2	0.4	0.5	0.6
Plasticizing capacity (max.)	kg/hr	5.1	9.5	13	16
Injection rate (max.)	cm ³ /sec	77	101	127	157
Screw stroke	mm	40	55		
Injection speed (max.)	mm/sec	500			
Screw speed (max.)	rpm	460	430		
Heater capacity (4 zones)	KW	2.3	2.7	2.7	3.1
Nozzle contact force	kgf	300			
Injection unit stroke (penetration)	mm	175 (65)			
Hopper capacity	liter	6			

MACHINE SPECIFICATIONS

Main breaker capacity	amps	60
Machine dimensions (L x W x H)	mm	2413 x 758 x 1531
Machine weight	tonf	1.2

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



SE30DUZ-HD High-Duty (Metric Units)

Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	tonf	30
Distance between tie-bars	mm	310 x 290
Overall size of platens (H x V)	mm	440 x 420
Open daylight (max.)	mm	530
Mold space (min.-max.)	mm	150 - 300
Opening stroke (max.)	mm	230
Mold open/close speed (max.)	mm/sec	1200
Locating ring diameter	mm	60
Ejector pattern		Center, (1 point)
Ejector stroke	mm	50
Ejector force	tonf	0.8

INJECTION SPECIFICATIONS

Plasticizing unit		C50S			C75S		
Screw diameter	mm	18	20	22	20	22	25
Injection pressure	kgf/cm ²	2680	2170	1790	2760	2280	1760
Holding pressure	kgf/cm ²	2680	2170	1790	2760	2280	1760
Injection capacity	cm ³	19	23	28	27	33	43
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.)	kg/hr	10	13	18	13	18	26
Injection rate (max.)	cm ³ /sec	127	157	190	157	190	245
Screw stroke	mm	73			87		
Injection speed (max.)	mm/sec	500			500		
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	kgf	600 or 800 selectable					
Inj. unit stroke (penetration)	mm	210 (30)			210 (30)		
Hopper capacity	liter	15			15		

MACHINE SPECIFICATIONS

Main breaker capacity	amps	75	75
Machine dimensions (L x W x H)	mm	3194 x 892 x 1679	3194 x 892 x 1679
Machine weight	tonf	1.8	1.8

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SE50DUZ-HD High-Duty (Metric Units)

Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	tonf	50
Distance between tie-bars	mm	360 x 310
Overall size of platens (H x V)	mm	500 x 450
Open daylight (max.)	mm	600
Mold space (min.-max.)	mm	160 – 350
Opening stroke (max.)	mm	250
Mold open/close speed (max.)	mm/sec	1200
Locating ring diameter	mm	101.6
Ejector pattern		Center, 7.0 in (5 points)
Ejector stroke	mm	70
Ejector force	tonf	2.2

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	kgf/cm ²	2680	2170	1790	2760	2280	1760	2800	2170	1780	2800	2230	1710
Holding pressure	kgf/cm ²	2680	2170	1790	2760	2280	1760	2800	2170	1780	2800	2230	1710
Injection capacity	cm ³	19	23	28	27	33	43	40	51	64	51	64	84
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.)	kg/hr	10	13	18	13	18	26	18	26	37	26	37	53
Injection rate	cm ³ /sec	127	157	190	157	190	245	190	245	308	196	246	322
Screw stroke	mm	73			87			104					
Injection speed (max.)	mm/sec	500						300					
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	tonf	600 or 800 selectable						800 or 1000 selectable					
Inj. unit stroke (penetration)	mm	250 (30) *											
Hopper capacity	liter	15											

MACHINE SPECIFICATIONS

Main breaker capacity	amps	100
Dimensions (L x W x H)	mm	3631 x 984 x 1689
Machine weight	tonf	2.1 2.2 2.3 2.4

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SE75DUZ-HD High-Duty (Metric Units)

Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	tonf	75
Distance between tie-bars	mm	410 x 360
Overall size of platens (H x V)	mm	580 x 530
Open daylight (max.)	mm	710
Mold space (min.-max.)	mm	160 - 410
Opening stroke (max.)	mm	300
Mold open/close speed (max.)	mm/sec	1200
Locating ring diameter	mm	101.6
Ejector pattern		Center, 178mm (5 points)
Ejector stroke	mm	80
Ejector force	tonf	2.7

INJECTION SPECIFICATIONS

Plasticizing unit		C110S			C160S			C250M		
Screw diameter	mm	22	25	28	25	28	32	28	32	36
Injection pressure	kgf/cm ²	2800	2170	1780	2800	2230	1710	2900	2220	1750
Holding pressure	kgf/cm ²	2800	2170	1780	2800	2230	1710	2900	2220	1750
Injection capacity	cm ³	40	51	64	51	64	84	86	113	143
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.)	kg/hr	18	26	37	26	37	53	37	53	76
Injection rate (max.)	cm ³ /sec	190	245	308	196	246	322	185	241	305
Screw stroke	mm	104			104			140		
Injection speed (max.)	mm/sec	300								
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	kgf	1200 or 1500 selectable			1200 or 1500 selectable					
Injection unit stroke (penetration)	mm	285 (30)			285 (30)			300 (45)		
Hopper capacity	liter	15			15			30		

MACHINE SPECIFICATIONS

Main breaker capacity	amps	125	125	125
Machine dimensions (L x W x H)	mm	4247 x 1059 x 1719	4247 x 1059 x 1719	4247 x 1059 x 1800
Machine weight	tonf	3.1	3.2	3.3

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



SE100EV-HD (Metric Units)

High-Duty All-Electric

CLAMP SPECIFICATIONS

Clamping force	kN	1000
Distance between tie-bars	mm	460 x 460
Overall size of platens (H x V)	mm	650 x 650
Open daylight (max.) (Option B084 selected)	mm	800 (900)
Mold space (min.-max.) (Option B084 selected)	mm	180~450 (180~550)
Opening stroke (max.)	mm	350
Mold open/close speed (max.)	mm/sec	800
Locating ring diameter	mm	100
Ejector pattern		Motor Driven Type (5 Points)
Ejector stroke (Option B110 selected)	mm	100 (150)
Ejector force (Option B108 selected)	kN	32 (59)

INJECTION SPECIFICATIONS

Plasticizing unit		C230HD			C430HD		
		mm	28	32	36	36	40
Screw diameter	mm	28	32	36	36	40	45
Injection pressure	kgf/cm ²	2,896	2,213	1,744	2,753	2,223	1,764
Holding pressure	kgf/cm ²	2,896	2,213	1,744	2,753	2,223	1,764
Injection capacity	cm ³	86	112	142	162	201	254
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.)	kg/hr	37	53	76	76	101	136
Screw speed (max.)	rpm	400			400		
Heater capacity (6 zones)	KW	6.5	7.5	8.4	8.4	10.3	11.5
Injection rate (max.) (Option C059 selected)	cm ³ /sec	123 (98)	160 (128)	203 (162)	203 (162)	251 (201)	318 (254)
Injection speed (max.) (Option C059 selected)	mm/sec	200 (160)			200 (160)		
Screw stroke	mm	140			160		
Nozzle contact force	kN	43			43		
Injection unit stroke (penetration)	mm	320 (45)			380 (45)		
Hopper capacity	liter	30			50		

MACHINE SPECIFICATIONS

Main breaker capacity	amps	125	
Machine dimensions (L x W x H)	mm	4502 x 1192 x 1837 (4602 x 1192 x 1837)	4502 x 1192 x 1932 (4602 x 1192 x 1932)
Machine weight	kg	4,000	4,300

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SE130DUZ-HD High-Duty (Metric Units)

Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	tonf	130
Distance between tie-bars	mm	510 x 460
Overall size of platens (H x V)	mm	720 x 670
Open daylight (max.)	mm	825
Mold space (min.-max.)	mm	180 - 450
Opening stroke (max.)	mm	375
Mold open/close speed (max.)	mm/sec	1200
Locating ring diameter	Mm	101.6
Ejector pattern		Center, 178mm (5 points)
Ejector stroke	mm	100
Ejector force	tonf	3.3

INJECTION SPECIFICATIONS

Plasticizing unit		C160S			C250M			C360M			C450M		
Screw diameter	mm	25	28	32	28	32	36	32	36	40	36	40	45
Injection pressure	kgf/cm ²	2800	2230	1710	2900	2220	1750	2790	2200	1710	2650	2140	1690
Holding pressure	kgf/cm ²	2800	2230	1710	2900	2220	1750	2790	2200	1710	2650	2140	1690
Injection capacity	cm ³	51	64	84	86	113	143	129	163	201	163	201	254
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.)	kg/hr	26	37	53	37	53	76	53	76	101	76	101	136
Injection rate	cm ³ /sec	196	246	322	185	241	305	241	305	377	305	377	477
Screw stroke	mm	104			140			160			160		
Injection speed (max.)	mm/sec	300			150								
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	tonf	1200 or 1500 selectable											
Inj. unit stroke (penetration)	mm	305 (30)			335 (45)			335 (45)			335 (45)		
Hopper capacity	liter	15			30			30			50		

MACHINE SPECIFICATIONS

Main breaker capacity	amps	175											
Dimensions (L x W x H)	mm	4989 x 1234 x 1848			4989 x 1234 x 1929			4989 x 1234 x 1929			4989 x 1234 x 2024		
Machine weight	tonf	5.3			5.3			5.4			5.5		

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SE180DUZ-HD High-Duty (Metric Units)

Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	tonf	180
Distance between tie-bars	mm	560 x 510
Overall size of platens (H x V)	mm	800 x 750
Open daylight (max.)	mm	950
Mold space (min.-max.)	mm	200 - 500
Opening stroke (max.)	mm	450
Mold open/close speed (max.)	mm/sec	1200
Locating ring diameter	mm	101.6
Ejector pattern		Center, 200mm (5 points)
Ejector stroke	mm	120
Ejector force	tonf	4.6

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 kgf/cm ²	2800	2230	1710	2900	2220	1750	2790	2200	1710	2650	2140	1690	2500	1970	1600	2200	1780	
Holding pressure kgf/cm ²	2800	2230	1710	2900	2220	1750	2790	2200	1710	2650	2140	1690	2500	1970	1600	2200	1780	
Injection capacity cm ³	51	64	84	86	113	143	129	163	201	163	201	254	201	254	314	329	406	
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.) kg/hr	26	37	53	37	53	76	53	76	101	76	101	149	101	149	202	98	134	
Injection rate cm ³ /sec	196	246	322	185	241	305	241	305	377	305	377	477	377	477	589	254	314	
Screw stroke mm	104			140			160						207					
Injection speed (max.) mm/sec	300			150						160								
Screw spd (rpm)	400						250											
Temp. Control Zones	5						6											
Heater capacity KW	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 kgf	1200 or 1500 selectable									2500 or 3000 selectable								
Inj. unit stroke (penetration) mm	360 (30)			380 (65)														
Hopper capacity liter	15			30						50								

MACHINE SPECIFICATIONS

Main breaker capacity amps	175			
Dimensions (L x W x H) mm	5364x1284x1884	5364x1284x1965	5364x1284x2060	5600x1284 x 2092
Machine weight tonf	6.3	6.4	6.5	6.8

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