



SE50DUZ (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		
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	2144	1736	1432	2208	1824	1408	2240	1736	1424	2240	1784	1368
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									400		
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	kgf	600 or 800 selectable (1200 optional)						800 or 1000 selectable (1200 optional)					
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

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

* For SE50DUZ-C50 with high precision/high power nozzle touch option, the injection unit stroke (penetration) is 210 (30).



SE75DUZ (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	2240	1736	1424	2240	1784	1368	2320	1776	1400
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	500			400			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 (4600 optional)					
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

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SE100DUZ (Metric Units)

Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	tonf	100
Distance between tie-bars	mm	460 x 410
Overall size of platens (H x V)	mm	650 x 600
Open daylight (max.)	mm	760
Mold space (min.-max.)	mm	180 - 410
Opening stroke (max.)	mm	350
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		C110S			C160S			C250M			C360M		
Screw diameter	mm	22	25	28	25	28	32	28	32	36	32	36	40
Injection pressure	kgf/cm ²	2800	2170	1780	2800	2230	1710	2900	2220	1750	2790	2200	1710
Holding pressure	kgf/cm ²	2240	1736	1424	2240	1784	1368	2320	1776	1400	2232	1760	1368
Injection capacity	cm ³	40	51	64	51	64	84	86	113	143	129	163	201
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.)	kg/hr	18	26	37	26	37	53	37	53	76	53	76	101
Injection rate	cm ³ /sec	190	245	308	196	246	322	185	241	305	241	305	377
Screw stroke	mm	104			104			140			160		
Injection speed (max.)	mm/sec	500			400			300			300		
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	tonf	1200 or 1500 selectable			1200 or 1500 selectable (4600 optional)								
Inj. unit stroke (penetration)	mm	285 (30)			305 (30)			320 (45)			320 (45)		
Hopper capacity	liter	15			15			30			30		

MACHINE SPECIFICATIONS

Main breaker capacity	amps	150											
Dimensions (L x W x H)	mm	4630 x 1169 x 1791			4630 x 1169 x 1791			4630 x 1169 x 1872			4630 x 1169 x 1872		
Machine weight	tonf	3.9			3.9			4.0			4.1		

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



SE130DUZ (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	2240	1784	1368	2320	1776	1400	2232	1760	1368	2120	1712	1352
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	400			300			300			300		
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 (4600 optional)											
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 (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		
Screw diameter	mm	25	28	32	28	32	36	32	36	40	36	40	45	40	45	50
Injection pressure	kgf/cm ²	2800	2230	1710	2900	2220	1750	2790	2200	1710	2650	2140	1690	2500	1970	1600
Holding pressure	kgf/cm ²	2240	1784	1368	2320	1776	1400	2232	1760	1368	2120	1712	1352	2000	1576	1280
Injection capacity	cm ³	51	64	84	86	113	143	129	163	201	163	201	254	201	254	314
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.)	kg/hr	26	37	53	37	53	76	53	76	101	76	101	149	101	149	202
Injection rate	cm ³ /sec	196	246	322	185	241	305	241	305	377	305	377	477	377	477	589
Screw stroke	mm	104			140			160								
Injection speed (max.)	mm/sec	400			300											
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	kgf	1200 or 1500 selectable (4600 optional)									2500 or 3000 selectable (4600 optional)					
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
Machine weight	tonf	6.3
		6.4
		6.5

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 320 mm (30 mm); and C250M is 350 mm (30 mm).