



# 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		
Screw diameter	mm	18	20	22	20	22	25	22	25	28	25	28	32
Injection pressure	kgf/cm <sup>2</sup>	2680	2170	1790	2760	2280	1760	2800	2170	1780	2800	2230	1710
Holding pressure	kgf/cm <sup>2</sup>	2680	2170	1790	2760	2280	1760	2800	2170	1780	2800	2230	1710
Injection capacity	cm <sup>3</sup>	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 <sup>3</sup> /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

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