



## SE50DU (Metric Units)

Direct-Drive All-Electric

[www.sumitomoPM.com](http://www.sumitomoPM.com)

### CLAMP SPECIFICATIONS

Clamping force	tonf	50
Distance between tie-bars	mm	360 x 310
Overall size of platens (H x V)	mm	500 x 465
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>	2144	1736	1432	2208	1824	1408	2240	1736	1424	2240	1784	1368
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									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	3.6	4.1	4.6	4.1	4.6	5.1
Nozzle contact force	tonf	600						800					
Inj. unit stroke (penetration)	mm	250 (3/)											
Hopper capacity	ℓ	15											

### MACHINE SPECIFICATIONS

Main breaker capacity	amps	100											
Dimensions (L x W x H)	mm	3631 x 984 x 1670											
Machine weight	tonf	2.1			2.2			2.3			2.4		

**NOTE:** Specifications subject to change without notice.