



SE50D (Metric Units)
Direct-Drive All-Electric

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, 178mm (5 points)
Ejector stroke	mm	70
Ejector force	tonf	2.2

INJECTION SPECIFICATIONS

Plasticizing unit		C75S			C110S			C160S		
Screw diameter	mm	20	22	25	22	25	28	25	28	32
Injection pressure	kgf/cm ²	2760	2280	1760	2800	2170	1780	2800	2230	1710
Holding pressure	kgf/cm ²	2208	1824	1408	2240	1736	1424	2240	1784	1368
Injection capacity	cm ³	27	33	43	40	51	64	51	64	84
Injection weight (GPPS)	g	26	32	41	38	49	61	49	61	80
	oz	0.9	1.1	1.5	1.3	1.7	2.2	1.7	2.2	2.8
Plasticizing capacity (max.)	kg/hr	13	18	26	18	26	37	26	37	53
Injection rate (max.)	cm ³ /sec	157	190	245	190	245	308	196	246	322
Screw stroke	mm	87			104			104		
Injection speed (max.)	mm/sec	500			500			400		
Screw speed (max.)	rpm	400			400			400		
Heater capacity (4 zones)	KW	3.2	3.6	4.1	3.6	4.1	4.6	4.1	4.6	5.1
Nozzle contact force	kgf	800			800			800		
Injection unit stroke (penetration)	mm	205 (30)			205 (30)			205 (30)		
Hopper capacity	ℓ	15			15			15		

MACHINE SPECIFICATIONS

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

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