



SE180D (Metric Units)

Direct-Drive All-Electric

www.sumitomoPM.com

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, 178mm (5 points)
Ejector stroke	mm	120
Ejector force	tonf	4.6

INJECTION SPECIFICATIONS

Plasticizing unit		C360M			C450M			C510M		
Screw diameter	mm	32	36	40	36	40	45	40	45	50
Injection pressure	kgf/cm ²	2790	2200	1710	2650	2140	1690	2500	1970	1600
Holding pressure	kgf/cm ²	2232	1760	1368	2120	1712	1352	2000	1576	1280
Injection capacity	cm ³	129	163	201	163	201	254	201	254	314
Injection weight (GPPS)	g	124	156	193	156	193	244	193	244	302
	oz	4.4	5.5	6.8	5.5	6.8	8.7	6.8	8.7	10.7
Plasticizing capacity (max.)	kg/hr	53	76	101	76	101	149	101	149	202
Injection rate (max.)	cm ³ /sec	241	305	377	305	377	477	377	477	589
Screw stroke	mm	160			160			160		
Injection speed (max.)	mm/sec	300			300			300		
Screw speed (max.)	rpm	400			400			400		
Heater capacity (4 zones)	KW	7.6	8.5	10.5	8.5	10.5	11.1	10.5	11.1	11.5
Nozzle contact force	kgf	1200			2500			2500		
Injection unit stroke (penetration)	mm	380 (65)			380 (65)			380 (65)		
Hopper capacity	ℓ	30			50			50		

MACHINE SPECIFICATIONS

Main breaker capacity	amps	175	175	175
Machine dimensions (L x W x H)	mm	5365 x 1284 x 1946	5365 x 1284 x 2041	5365 x 1284 x 2041
Machine weight	tonf	6.4	6.5	6.5

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