



SE180EV-A (Metric Units)

Advanced All-Electric Series



CLAMP SPECIFICATIONS

www.sumitomo-shi-demag.us

Clamping force	kN/tonf	1800 / 184
Distance between tie-bars	mm	560 x 560
Overall size of platens (H x V)	mm	800 x 795
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, 178 mm (5 points)
Ejector stroke	mm	120
Ejector force	kN	45

INJECTION SPECIFICATIONS

Plasticizing unit		C250M			C360M			C450M			C560M		
Screw diameter	mm	28	32	36	32	36	40	36	40	45	40	45	50
Injection pressure	kgf/cm ²	2897	2213	1744	2785	2193	1785	2642	2132	1683	2795	2203	1785
Holding pressure	kgf/cm ²	2897	2213	1744	2785	2193	1785	2642	2132	1683	2795	2203	1785
Injection capacity	cm ³	86	113	143	129	163	201	163	201	254	201	254	314
Injection weight (GPPS)	g	83	108	137	124	156	193	156	193	244	193	244	302
	oz	2.9	3.8	4.8	4.4	5.5	6.8	5.5	6.8	8.6	6.8	8.6	10.7
Plasticizing capacity (max.)	kg/hr	37	53	76	53	76	101	76	101	136	101	136	193
Injection rate	cm ³ /sec	216	281	356	281	356	440	356	440	557	440	557	687
Screw stroke	mm	140			160								
Injection speed (max.)	mm/sec	350											
Screw speed (rpm)	rpm	400											
Heater capacity (5 zones)	KW	6.5	7.5	8.4	7.5	8.4	10.3	8.4	10.3	11.5	10.3	11.5	12.6
Nozzle contact force	kgf	4385											
Inj. unit stroke (penetration)	mm	380 (65)											
Hopper capacity	liter	30						50					

MACHINE SPECIFICATIONS

Main breaker capacity	amps	175											
Dimensions (L x W x H)	mm	5133x1365x1923			5133x1365x1923			5133x1365x2018			5133x1365x2018		
Machine weight	tonf	6.4			6.5			6.6			6.8		

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