



SE450EV-A^{HD} (Metric Units)

High-Duty Mid-Sized All-Electric



CLAMP SPECIFICATIONS

www.sumitomo-shi-demag.us

Clamping force	kN/tonf	4500 / 459
Distance between tie-bars	mm	920 x 920
Overall size of platens (H x V)	mm	1300 x 1300
Open daylight max. - standard	mm	1625
- With opt. 100 mm extension		1725
- With opt. 200 mm extension		1825
Mold space min. - max.	mm	350 – 800
- With opt. 100 mm extension		350 – 900
- With opt. 200 mm extension		350 – 1000
Mold opening stroke max.	mm	825
Mold open/close speed max.	mm/s	1109
Locating ring diameter	mm	101.6
Ejector pattern		Center (21 points)
Ejector force (with opt. added force)	kN	100 (150)
Ejector speed max.	mm/s	267
Ejector stroke	mm	220
Mold loading max. (moving side)	kg	7500 (5000)

INJECTION SPECIFICATIONS

Plasticizing unit		C2200HD			C3000HD		
		mm	63	71	80	71	80
Screw diameter	mm	63	71	80	71	80	90
Injection pressure max.	kgf/cm ²	2203	1917	1509	2203	1907	1509
Holding pressure max.	kgf/cm ²	2203	1917	1509	2203	1907	1509
Injection capacity	cm ³	997	1266	1608	1425	1809	2290
Injection weight (GPPS)	g	957	1216	1544	1368	1737	2198
	oz	33.8	42.9	54.5	48.3	61.3	77.5
Plasticizing capacity max.	kg/hr	227	230	303	230	303	390
Injection rate max. (opt. high-velocity filling)	cm ³ /s	498 (872)	633 (1108)	804 (1407)	633 (1108)	804 (1407)	1017 (1781)
Screw stroke	mm	320			360		
Injection speed max. (opt. high-velocity filling)	mm/s	160 (280)			160 (220)		
Screw speed max.	rpm	250	200				
Number of temperature control zones		6					
Heater capacity	kW	28.4	30.5	34.6	30.5	34.6	35.0
Nozzle contact force	kN	58					
Injection unit stroke (penetration)	mm	495 (65)					
Hopper capacity	liter	100					

MACHINE SPECIFICATIONS

Main breaker capacity	amps	250 @ 230 V
Machine dimensions (L x W x H)	mm	8361 x 2252 x 2232
Machine weight	Metric tons	23.8

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