



# SE450EV-A<sup>HD</sup> (English Units)

High-Duty Mid-Sized All-Electric



## CLAMP SPECIFICATIONS

[www.sumitomo-shi-demag.us](http://www.sumitomo-shi-demag.us)

Clamping force	U.S. tons	506
Distance between tie-bars	in	36.22 x 36.22
Overall size of platens (H x V)	in	51.18 x 51.18
Open daylight max. - standard	in	63.98
- With opt. 100 mm extension		67.91
- With opt. 200 mm extension		71.85
Mold space min. - max.	in	13.78 – 31.50
- With opt. 100 mm extension		13.78 – 35.43
- With opt. 200 mm extension		13.78 – 39.37
Mold opening stroke max.	in	32.48
Mold open/close speed max.	in/s	43.66
Locating ring diameter	in	4.0
Ejector pattern		Center (21 points)
Ejector force (with opt. added force)	U.S. tons	11.24 (16.86)
Ejector speed max.	in/s	10.51
Ejector stroke	in	8.66
Mold loading max. (moving side)	lbs	16,535 (11,023)

## INJECTION SPECIFICATIONS

Plasticizing unit		C2200HD			C3000HD		
		mm	63	71	80	71	80
Screw diameter	mm	63	71	80	71	80	90
Injection pressure max.	p.s.i.	31,328	27,267	21,466	31,328	27,122	21,466
Holding pressure max.	p.s.i.	31,328	27,267	21,466	31,328	27,122	21,466
Injection capacity	in <sup>3</sup>	60.8	77.3	98.1	87.0	110.4	139.7
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.	lb/hr	500	507	668	507	668	860
Injection rate max. (opt. high-velocity filling)	in <sup>3</sup> /s	30.4 (53.2)	38.6 (67.6)	49.1 (85.9)	38.6 (67.6)	49.1 (85.9)	62.1 (108.7)
Screw stroke	in	12.6			14.2		
Injection speed max. (opt. high-velocity filling)	in/s	6.3 (11.0)			6.3 (8.7)		
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	U.S. tons	6.52					
Injection unit stroke (penetration)	in	19.49 (2.56)					
Hopper capacity	in <sup>3</sup>	6102					

## MACHINE SPECIFICATIONS

Main breaker capacity	amps	250 @ 230 V
Machine dimensions (L x W x H)	in	329 x 89 x 88
Machine weight	U.S. tons	26.2

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