



# SE450HD (English Units)

High-Duty All-Electric

[www.sumitomoPM.com](http://www.sumitomoPM.com)

## CLAMP SPECIFICATIONS

Clamping force	U.S. tons	496
Distance between tie-bars	in	34.25 x 32.28
Overall size of platens (H x V)	in	50.79 x 47.24
Open daylight (max.)	in	62.99
Mold space (min.-max.)	in	17.72 – 31.50
Opening stroke (max.)	in	31.50
Mold open/close speed (max.)	in/sec	45.9
Locating ring diameter	in	4.0
Ejector pattern		Center, 7.0 in, 16.0 in, 28.0 in (H) (17 points)
Ejector stroke	in	6.89
Ejector force	U.S. tons	11.02

## INJECTION SPECIFICATIONS

Plasticizing unit		C2200L		C3000L	
Screw diameter	mm	63	71	71	80
Injection pressure	p.s.i	31,291	24,606	31,231	24,596
Holding pressure	p.s.i	31,291	24,606	31,231	24,596
Injection capacity	in <sup>3</sup>	59.9	76.3	87.0	110.4
Injection weight (GPPS)	g	943	1200	1368	1738
	oz	33.4	42.4	48.5	61.5
Plasticizing capacity (max.)	lb/hr	500	507	507	668
Screw speed (max.)	rpm	250	200	200	
Heater capacity (6 zones)	KW	31.6	33.7	33.7	23.4
Injection rate (max.)	in <sup>3</sup> /sec	30.5	38.6	38.6	49.1
Injection speed (max.)	in/sec	6.3			
Screw stroke	in	12.4		14.2	
Nozzle contact force	U.S. tons	6.61			
Injection unit stroke (penetration)	in	20.47 (3.94)			
Hopper capacity	in <sup>3</sup>	6102			

## MACHINE SPECIFICATIONS

Main breaker capacity	amps	225 @ 230V	
Machine dimensions (L x W x H)	in	332 x 83 x 89	332 x 83 x 89
Machine weight	U.S. tons	26.5	27.5

**NOTE:** Specifications subject to change without notice.