



**SE280HD (English Units)**  
High-Duty All-Electric

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

**CLAMP SPECIFICATIONS**

Clamping force	U.S. tons	308
Distance between tie-bars	in	26.97 x 25.00
Overall size of platens (H x V)	in	37.40 x 34.84
Open daylight (max.)	in	48.03
Mold space (min.-max.)	in	13.78 – 24.41
Opening stroke (max.)	in	23.62
Mold open/close speed (max.)	in/sec	51.18
Locating ring diameter	in	4.0
Ejector pattern		Center, 7.0 in, 16.0 in (13 points)
Ejector stroke	in	5.91
Ejector force	U.S. tons	6.61

**INJECTION SPECIFICATIONS**

Plasticizing unit		C1100L		C1600L		C2200L	
Screw diameter	mm	50	56	56	63	63	71
Injection pressure	p.s.i.	31,434	25,033	31,718	25,033	31,291	24,606
Holding pressure	p.s.i.	31,434	25,033	31,718	25,033	31,291	24,606
Injection capacity	in <sup>3</sup>	30.6	38.3	42.9	54.2	59.9	76.3
Injection weight (GPPS)	g	481	603	674	853	943	1200
	oz	17.0	21.4	23.9	30.2	33.4	42.4
Plasticizing capacity (max.)	lb/hr	333	423	423	500	500	507
Screw speed (max.)	rpm	250	250	250	250	250	200
Heater capacity (6 zones)	KW	21.5	23.4	23.4	31.6	31.6	33.7
Injection rate (max.)	in <sup>3</sup> /sec	19.2	24.0	24.0	30.5	30.5	38.6
Injection speed (max.)	in/sec	6.3		6.3		6.3	
Screw stroke	in	10.0		11.2		12.4	
Nozzle contact force	U.S. tons	6.61		6.61		6.61	
Injection unit stroke (penetration)	in	17.72 (2.56)		17.72 (2.56)		17.72 (2.56)	
Hopper capacity	in <sup>3</sup>	6102		6102		6102	

**MACHINE SPECIFICATIONS**

Main breaker capacity	amps	200 @ 230V		
Machine dimensions (L x W x H)	in	284 x 66 x 88		
Machine weight	U.S. tons	14.3	15.1	15.2

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