



SE450S (English Units)

All-Electric

www.sumitomoPM.com

CLAMP SPECIFICATIONS

Clamping force	U.S. tons	495
Distance between tie-bars	in	32.28 x 32.28
Overall size of platens (H x V)	in	48.03 x 47.64
Open daylight (max.)	in	63.00
Mold space (min.-max.)	in	13.78 - 31.50
Opening stroke (max.)	in	31.50
Mold open/close speed (max.)	in/sec	39.4
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		C1700L		C2170L	
Screw diameter	mm	63	71	71	80
Injection Pressure (@ 30% max. DC)	p.s.i.	31,290	24,600	27,020	21,330
Holding Pressure (@ 30% max. DC)	p.s.i.	25,030	19,630	21,620	17,070
Injection capacity	in ³	47.2	59.9	69.5	88.5
Injection weight (GPPS)	g	742	943	1090	1390
	oz	26.3	33.4	38.8	49.3
Plasticizing capacity (max.)	lb/hr	638	708	708	732
Injection rate (max.)	in ³ /sec	38.0	48.3	43.5	55.2
Screw stroke	in	9.76		11.34	
Injection speed (max.)	in/sec	7.87		7.09	
Screw speed (max.)	rpm	320	280	280	220
Heater capacity (4 zones)	KW	28.2 (4)	31.3 (4)	31.3 (4)	34.3 (4)
Nozzle contact force	U.S. tons	2.76		2.76	
Injection unit stroke (penetration)	in	20.67 (2.56)		20.67 (2.56)	
Hopper capacity	in ³	6102		6102	

MACHINE SPECIFICATIONS

Main breaker capacity	amps	200 @ 200V	125 @ 480V
Machine dimensions (L x W x H)	in	323 x 75 x 87	323 x 75 x 87
Machine weight	U.S. tons	26.5	27.6

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