



SE280HS (English Units)
High-Speed All-Electric

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		C900L			C1250L		
Screw diameter	mm	45	50	56	50	56	63
Injection pressure	p.s.i.	38,830	31,434	25,033	39,825	31,718	25,033
Holding pressure	p.s.i.	31,007	25,033	19,913	31,860	25,318	19,913
Injection capacity	in ³	20.1	24.8	31.1	27.3	34.3	43.4
Injection weight (GPPS)	g	316	390	489	430	539	682
	oz	11.2	13.8	17.3	15.2	19.1	24.2
Plasticizing capacity (max.)	lb/hr	328	445	542	445	542	639
Screw speed (max.)	rpm	400	400	360	400	360	320
Heater capacity (6 zones)	KW	23.3	26.8	31.2	26.8	31.2	37.1
Injection rate (max.)	in ³ /sec	29.1	35.9	45.1	35.9	45.1	57.1
Injection speed (max.)	in/sec	11.81			11.81		
Screw stroke	in	8.15			8.98		
Nozzle contact force	U.S. tons	6.61			6.61		
Injection unit stroke (penetration)	in	17.72 (2.56)			17.72 (2.56)		
Hopper capacity	in ³	6102			6102		

MACHINE SPECIFICATIONS

Main breaker capacity	amps	225 @ 230V	
Machine dimensions (L x W x H)	in	284 x 66 x 88	
Machine weight	U.S. tons	14.3	15.1

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