



SE280EV-A^{HD} (English Units)

High-Duty Mid-Sized All-Electric



CLAMP SPECIFICATIONS

www.sumitomo-shi-demag.us

Clamping force	U.S. tons	315
Distance between tie-bars	in	28.74 x 28.74
Overall size of platens (H x V)	in	40.16 x 40.16
Open daylight max. - standard	in	50.20
- With opt. 100 mm extension		54.13
- With opt. 200 mm extension		58.07
Mold space min. - max.	in	11.81 – 25.59
- With opt. 100 mm extension		11.81 – 29.53
- With opt. 200 mm extension		11.81 – 33.46
Mold opening stroke max.	in	24.61
Mold open/close speed max.	in/s	51.10
Locating ring diameter	in	4.0
Ejector pattern		Center (13 points)
Ejector force (with opt. added force)	U.S. tons	6.74 (11.24)
Ejector speed max.	in/s	10.51
Ejector stroke	in	8.66
Mold loading max. (moving side)	lbs	8378 (5512)

INJECTION SPECIFICATIONS

Plasticizing unit		C1100HD			C1600HD			C2200HD		
		50	56	63	56	63	71	63	71	80
Screw diameter	mm	50	56	63	56	63	71	63	71	80
Injection pressure max.	p.s.i.	33,359	27,122	21,466	33,359	27,267	21,466	31,328	27,267	21,466
Holding pressure max.	p.s.i.	33,359	27,122	21,466	33,359	27,267	21,466	31,328	27,267	21,466
Injection capacity	in ³	31.1	39.1	49.4	43.6	55.2	70.1	60.8	77.3	98.1
Injection weight (GPPS)	g	490	614	778	685	867	1102	957	1216	1544
	oz	17.3	21.7	27.4	24.2	30.6	38.9	33.8	42.9	54.5
Plasticizing capacity max.	lb/hr	333	423	500	423	500	507	500	507	668
Injection rate max. (opt. high-velocity filling)	in ³ /s	19.2 (33.5)	24.0 (42.0)	30.4 (53.2)	24.0 (42.0)	30.4 (53.2)	38.6 (67.6)	30.4 (53.2)	38.6 (67.6)	49.1 (85.9)
Screw stroke	in	10.2			11.4			12.6		
Injection speed max. (opt. high-velocity filling)	in/s	6.3 (11.0)								
Screw speed max.	rpm	250			200	250	200			
Number of temperature control zones		6								
Heater capacity	kW	19.2	21.1	28.4	21.1	28.4	30.5	28.4	30.5	34.6
Nozzle contact force	U.S. tons	6.52								
Injection unit stroke (penetration)	in	16.53 (2.56)								
Hopper capacity	in ³	6102								

MACHINE SPECIFICATIONS

Main breaker capacity	amps	225 @ 230 V
Machine dimensions (L x W x H)	in	285 x 78 x 81
Machine weight	U.S. tons	15.8

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