



SE280EV-A^{HD} (Metric Units)

High-Duty Mid-Sized All-Electric



CLAMP SPECIFICATIONS

www.sumitomo-shi-demag.us

Clamping force	kN/tonf	2800 / 286
Distance between tie-bars	mm	730 x 730
Overall size of platens (H x V)	mm	1020 x 1020
Open daylight max. - standard	mm	1275
- With opt. 100 mm extension		1375
- With opt. 200 mm extension		1475
Mold space min. - max.	mm	300 – 650
- With opt. 100 mm extension		300 – 750
- With opt. 200 mm extension		300 – 850
Mold opening stroke max.	mm	625
Mold open/close speed max.	mm/s	1298
Locating ring diameter	mm	101.6
Ejector pattern		Center (13 points)
Ejector force (with opt. added force)	kN	60 (100)
Ejector speed max.	mm/s	267
Ejector stroke	mm	220
Mold loading max. (moving side)	kg	3800 (2500)

INJECTION SPECIFICATIONS

Plasticizing unit		C1100HD			C1600HD			C2200HD		
Screw diameter	mm	50	56	63	56	63	71	63	71	80
Injection pressure max.	kgf/cm ²	2345	1907	1509	2345	1917	1509	2203	1917	1509
Holding pressure max.	kgf/cm ²	2345	1907	1509	2345	1917	1509	2203	1917	1509
Injection capacity	cm ³	510	640	810	714	904	1148	997	1266	1608
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.	kg/hr	151	192	227	192	227	230	227	230	303
Injection rate max. (opt. high-velocity filling)	cm ³ /s	314 (549)	394 (689)	498 (872)	394 (689)	498 (872)	633 (1108)	498 (872)	633 (1108)	804 (1407)
Screw stroke	mm	260			290			320		
Injection speed max. (opt. high-velocity filling)	mm/s	160 (280)								
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	kN	58								
Injection unit stroke (penetration)	mm	420 (65)								
Hopper capacity	liter	100								

MACHINE SPECIFICATIONS

Main breaker capacity	amps	225 @ 230 V
Machine dimensions (L x W x H)	mm	7236 x 1972 x 2059
Machine weight	Metric tons	14.3

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