



SE450HY (Metric Units)

High-Speed Hybrid-Electric

www.sumitomoPM.com

CLAMP SPECIFICATIONS

Clamping force	tonf	450
Distance between tie-bars	mm	820 x 820
Overall size of platens (H x V)	mm	1220 x 1210
Open daylight (max.)	mm	1600
Mold space (min.-max.)	mm	350 - 800
Opening stroke (max.)	mm	800
Mold open/close speed (max.)	mm/sec	1000
Locating ring diameter	mm	101.6
Ejector pattern		Center, 178mm, 406mm, 711mm (H) (17 points)
Ejector stroke	mm	175
Ejector force	tonf	10.0

INJECTION SPECIFICATIONS

Plasticizing unit		C3300L	
Screw diameter	mm	80	90
Injection pressure	kgf/cm ²	2250	1770
Holding pressure	kgf/cm ²	2250	1770
Injection capacity	cm ³	1448	1832
Injection weight (GPPS)	g	1390	1760
	oz	49.0	62.1
Plasticizing capacity (max.)	kg/hr	440	495
Screw speed (max.)	rpm	320	280
Heater capacity (5 zones)	KW	39	53
Injection rate (max air shot)	cm ³ /sec	3141	3976
Injection speed (max air shot)	mm/sec	625	
Screw stroke	mm	288	
Nozzle contact force	kgf	6,700	
Injection unit stroke (penetration)	mm	525 (65)	
Hopper capacity	ℓ	100	

MACHINE HYDRAULIC SPECIFICATIONS

Hydraulic drive motor	KW	30
Hydraulic system pressure	kgf/cm ²	195
Oil reservoir capacity	ℓ	300

MACHINE SPECIFICATIONS

Main breaker capacity	amps	250 @ 230V 200 @ 480V
Machine dimensions (L x W x H)	mm	8700 x 1900 x 2200
Machine weight	tonf	25.0

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