

SV18 (English Units)

Vertical All-Electric

www.sumitomoPM.com

CLAMP SPECIFICATIONS

Clamping force	U.S. tons	20
Mold size	in	10.23 x 10.23
Table dimension	in	15.75 x 22.05
Open daylight (max.)	in	17.72
Mold space (min.-max.)	in	5.91 – 9.84
Opening stroke (max.)	in	7.87
Mold open/close speed (max.)	in/sec	17.48
Locating ring diameter	in	2.36
Ejector pattern		(1 point)
Ejector stroke	in	1.57
Ejector force	U.S. tons	0.88

INJECTION SPECIFICATIONS

Plasticizing unit		C26		
Screw diameter	mm	14	16	18
Injection pressure	p.s.i.	32,420	34,130	26,882
Holding pressure	p.s.i.	25,886	27,309	21,477
Injection capacity	in ³	0.38	0.67	0.85
Injection weight (GPPS)	g	5.9	11	13
	oz	0.2	0.4	0.5
Plasticizing capacity (max.)	lb/hr	11.2	20.9	28.6
Injection rate (max.)	in ³ /sec	2.8	3.7	4.6
Screw stroke	in	1.57	2.17	
Injection speed (max.)	in/sec	11.8		
Screw speed (max.)	rpm	460	430	
Heater capacity (4 zones)	KW	2.1	2.5	2.5
Nozzle contact force	U.S. tons	0.44		
Injection unit stroke (penetration)	in	10.24 (1.18)		
Hopper capacity	in ³	244		

MACHINE SPECIFICATIONS

Main breaker capacity	amps	60
Machine dimensions (L x W x H)	in	45 x 46 x 112
Machine weight	U.S. tons	1.9

NOTE: Specifications subject to change without notice.

SV50 (English Units)

Vertical All-Electric

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CLAMP SPECIFICATIONS

Clamping force	U.S. tons	55
Mold size	in	14.17 x 14.17
Table dimension	in	19.88 x 19.88
Open daylight (max.)	in	21.65
Mold space (min.-max.)	in	7.87 – 11.81
Opening stroke (max.)	in	9.84
Mold open/close speed (max.)	in/sec	17.48
Locating ring diameter	in	4.0
Ejector pattern		(5 points)
Ejector stroke	in	1.57
Ejector force	U.S. tons	2.42

INJECTION SPECIFICATIONS

Plasticizing unit		C50S		C75S	
Screw diameter	mm	18	20	22	25
Injection pressure	p.s.i.	38,119	30,865	33,140	25,602
Holding pressure	p.s.i.	30,438	24,606	26,455	20,482
Injection capacity	in ³	1.3	1.6	2.0	2.6
Injection weight (GPPS)	g	21	26	32	41
	oz	0.8	0.9	1.1	1.5
Plasticizing capacity (max.)	lb/hr	22	29	40	57
Injection rate (max.)	in ³ /sec	4.6	5.7	7.0	9.0
Screw stroke	in	3.45			
Injection speed (max.)	in/sec	11.8			
Screw speed (max.)	rpm	400			
Heater capacity (4 zones)	KW	2.8	3.2	3.6	4.1
Nozzle contact force	U.S. tons	0.88			
Injection unit stroke (penetration)	in	13.4 (1.18)			
Hopper capacity	in ³	610			

MACHINE SPECIFICATIONS

Main breaker capacity	amps	125
Machine dimensions (L x W x H)	in	64 x 43 x 131
Machine weight	U.S. tons	3.1

NOTE: Specifications subject to change without notice.