SE50DUZ-HD High-Duty (English Units)
Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	U.S. ton	55
Distance between tie-bars	in	14.17 x 12.20
Overall size of platens (H x V)	in	19.69 x 17.71
Open daylight (max.)	in	23.62
Mold space (min.-max.)	in	6.30 – 13.78
Opening stroke (max.)	in	9.84
Mold open/close speed (max.)	in/sec	47.2
Locating ring diameter	in	4.0
Ejector pattern		Center, 7.0 in (5 points)
Ejector stroke	in	2.75
Ejector force	U.S. ton	2.42

INJECTION SPECIFICATIONS

Plasticizing unit		C50S			C75S			C110S			C160S		
Screw diameter	mm	18	20	22	20	22	25	22	25	28	25	28	32
Injection pressure	p.s.i.	38,110	30,860	25,460	39,250	32,420	25,030	39,820	30,860	25,310	39,820	31,710	24,320
Holding pressure	p.s.i	38,110	30,860	25,460	39,250	32,420	25,030	39,820	30,860	25,310	39,820	31,710	24,320
Injection capacity	in^3	1.2	1.4	1.7	1.7	2.0	2.6	2.4	3.1	3.9	3.1	3.9	5.1
Injection weight (GPPS)	g	18	22	27	26	32	41	38	49	61	49	61	80
	oz	0.6	0.8	0.9	0.9	1.1	1.5	1.3	1.7	2.2	1.7	2.2	2.8
Plasticizing capacity (max.)	lb/hr	22	29	40	29	40	57	40	57	81	57	81	117
Injection rate	in^3/sec	7.8	9.6	11.6	9.6	11.6	15.0	11.6	15.0	18.8	12.0	15.0	19.6
Screw stroke	in	2.87			3.45			4.09					
Injection speed (max.)	in/sec	19.7						11.8					
Screw speed (rpm)	rpm	400											
Temp. Control Zones		4		5	4		5						
Heater capacity	KW	3.2	3.5	3.9	3.5	3.9	4.3	3.9	4.3	4.8	4.3	4.8	5.5
Nozzle contact force	U.S. ton	0.66 or 0.88 selectable						0.88 or 1.10 selectable					
Inj. unit stroke (penetration)	in	9.84 (1.18) *											
Hopper capacity	in^3	915											

MACHINE SPECIFICATIONS

Main breaker capacity	amps	100			
Dimensions (L x W x H)	in	143 x 39 x 67			
Machine weight	U.S. ton	2.3	2.4	2.6	2.7

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