



SE180DUZ-HD High-Duty (English Units)

Direct-Drive All-Electric

CLAMP SPECIFICATIONS

Clamping force	U.S. ton	198
Distance between tie-bars	in	22.05 x 20.08
Overall size of platens (H x V)	in	31.50 x 29.53
Open daylight (max.)	in	37.40
Mold space (min.-max.)	in	7.87 – 19.69
Opening stroke (max.)	in	17.72
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	4.72
Ejector force	U.S. ton	5.06

INJECTION SPECIFICATIONS

Plasticizing unit	C160S			C250M			C360M			C450M			C510M			C700M	
Screw diameter mm	25	28	32	28	32	36	32	36	40	36	40	45	40	45	50	45	50
Injection pressure p.s.i.	39,820	31,710	24,320	41,240	31,570	24,890	39,670	31,280	24,320	37,680	30,430	24,030	35,550	28,010	22,750	31,291	25,318
Holding pressure p.s.i.	39,820	31,710	24,320	41,240	31,570	24,890	39,670	31,280	24,320	37,680	30,430	24,030	35,550	28,010	22,750	31,291	25,318
Injection capacity in ³	3.1	3.9	5.1	5.2	6.9	8.7	7.9	9.9	12.3	9.9	12.3	15.5	12.3	15.5	19.2	20.1	24.8
Injection weight (GPPS) g	49	61	80	83	108	137	124	156	193	156	193	244	193	244	302	316	390
Injection weight (GPPS) oz	1.7	2.2	2.8	2.9	3.8	4.8	4.4	5.5	6.8	5.5	6.8	8.7	6.8	8.7	10.7	11.2	13.8
Plasticizing cap. (max.) lb/hr	57	81	117	81	117	167	117	167	222	167	222	300	222	300	425	216	295
Injection rate in ³ /sec	12.0	15.0	19.6	11.3	14.7	18.6	14.7	18.6	23.0	18.6	23.0	29.1	23.0	29.1	35.9	15.5	19.2
Screw stroke mm	4.09			5.51			6.30						8.15				
Injection speed (max.) in/sec	11.8			5.9						6.3							
Screw spd (rpm)	400						250										
Heater capacity KW (5 Zones)	4.3	4.8	5.5	6.6	7.6	8.5	7.6	8.5	10.3	8.5	10.4	11.0	10.4	11.1	11.3	12.8	13.9
*Nozzle contact force U.S. ton	1.32 or 1.65 selectable						2.76 or 3.31 selectable										
Inj. unit stroke (penetration) in	14.17 (1.18)			14.96 (2.56)													
Hopper capacity in ³	15			30			50										

MACHINE SPECIFICATIONS

Main breaker capacity amps	175			
Dimensions (L x W x H) in	222 x 51 x 77	222 x 51 x 81	222 x 51 x 81	222 x 51 x 82
Machine wt U.S. ton	7.0	7.2	7.2	7.5

NOTE: Specifications subject to change without notice. Machine photo may be of a different model size.