



SE50DU (English Units) High-Speed All-Electric

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CLAMP SPECIFICATIONS

| | | |
|---------------------------------|-----------|---------------------------|
| Clamping force | U.S. tons | 55 |
| Distance between tie-bars | in | 14.17 x 12.20 |
| Overall size of platens (H x V) | in | 19.69 x 18.31 |
| 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. tons | 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. | 30,490 | 24,690 | 20,360 | 31,400 | 25,940 | 20,020 | 31,850 | 24,690 | 20,250 | 31,850 | 25,370 | 19,450 |
| 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 | | | | | | | | | 15.7 | | |
| 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 | 3.6 | 4.1 | 4.6 | 4.1 | 4.6 | 5.1 |
| Nozzle contact force | U.S. tons | 0.66 | | | | | | 0.88 | | | | | |
| Inj. unit stroke (penetration) | in | 8.07 (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 66 | | | | | | | | | | | |
| Machine weight | U.S. tons | 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.