



SE280HS-CI (English Units)

Multi-Shot All-Electric

www.sumitomoPM.com

CLAMP SPECIFICATIONS

| | | |
|----------------------------------|-----------|--|
| Clamping force | U.S. tons | 308 |
| Distance between tie-bars | in | 36.22 x 22.05 |
| Open daylight (max.) | in | 42.13 |
| Mold space (min.-max.) | in | 8.27 – 22.05 |
| Opening stroke (max.) | in | 20.08 (18.90 when ejector brake is equipped) |
| Mold open/close speed (max.) | in/sec | 51.18 |
| Locating ring diameter | in | 4.0 |
| Ejector pattern | in | Center, 7.0 in. (5 points x 2) |
| Ejector stroke | in | 5.91 |
| Ejector force | U.S. tons | 4.4 |
| Mold max weight on moving platen | lb | 1102 x 2 |

INJECTION SPECIFICATIONS

| Plasticizing unit | | C250M* | | | C360M | | | C510M | | |
|-------------------------------------|----------------------|--------------|-------|-------|--------------|-------|-------|-------|-------|-------|
| Screw diameter | mm | 28 | 32 | 36 | 32 | 36 | 40 | 40 | 45 | 50 |
| Injection pressure max. | p.s.i. | 41248 | 31576 | 24891 | 39683 | 31291 | 24322 | 35558 | 28020 | 22757 |
| Holding pressure max. | p.s.i. | 32998 | 25261 | 19913 | 31747 | 25033 | 19457 | 28447 | 22416 | 18206 |
| Injection capacity | in ³ | 5.2 | 6.9 | 8.7 | 7.87 | 9.95 | 12.27 | 12.27 | 15.50 | 19.16 |
| Injection weight (GPPS) | g | 83 | 108 | 137 | 124 | 156 | 193 | 193 | 244 | 302 |
| | oz | 2.9 | 3.8 | 4.8 | 4.4 | 5.5 | 6.8 | 6.8 | 8.7 | 10.7 |
| Plasticizing capacity (max.) | lb/hr | 81.6 | 116.8 | 167.6 | 117 | 168 | 223 | 223 | 300 | 425 |
| Injection rate (max.) | in ³ /sec | 11.3 | 14.7 | 18.6 | 14.7 | 18.6 | 23.0 | 23.0 | 29.1 | 35.9 |
| Screw stroke | in | 5.51 | | | 6.30 | | | | | |
| Injection speed (max.) | in/sec | 11.81 | | | | | | | | |
| Screw speed (max.) | rpm | 400 | | | | | | | | |
| Heater capacity (5 zones) | KW | 6.6 | 7.6 | 8.5 | 7.6 | 8.5 | 10.4 | 10.4 | 11.1 | 11.3 |
| Nozzle contact force | U.S. tons | 1.32 | | | 1.32 | | | 2.76 | | |
| Injection unit stroke (penetration) | in | 15.35 (1.77) | | | 17.32 (2.56) | | | | | |
| Hopper capacity | in ³ | 1830 x 2 | | | | | | | | |

MACHINE SPECIFICATIONS

| | | |
|--------------------------------|-----------|---------------|
| Main breaker capacity | amps | 225 |
| Machine dimensions (L x W x H) | in | 252 x 70 x 79 |
| Machine weight | U.S. tons | 18.7 |

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

* If C250M is selected, it must be selected for both injection units.