



SE100EV-A (Metric Units)

Advanced All-Electric Series



CLAMP SPECIFICATIONS

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| | | |
|---------------------------------|---------|--------------------------|
| Clamping force | kN/tonf | 1000 / 102 |
| Distance between tie-bars | mm | 460 x 460 |
| Overall size of platens (H x V) | mm | 650 x 650 |
| Open daylight (max.) | mm | 800 |
| Mold space (min.-max.) | mm | 180 – 450 |
| Opening stroke (max.) | mm | 350 |
| Mold open/close speed (max.) | mm/sec | 1200 |
| Locating ring diameter | mm | 101.6 |
| Ejector pattern | | Center, 178mm (5 points) |
| Ejector stroke | mm | 100 |
| Ejector force | kN | 32 |

INJECTION SPECIFICATIONS

| Plasticizing unit | | C110S | | | C160S | | | C250M | | | C360M | | |
|--------------------------------|----------------------|----------|------|------|-------|------|------|----------|------|------|-------|------|------|
| Screw diameter | mm | 22 | 25 | 28 | 25 | 28 | 32 | 28 | 32 | 36 | 32 | 36 | 40 |
| Injection pressure | kgf/cm ² | 2795 | 2162 | 1775 | 2795 | 2224 | 1703 | 2897 | 2213 | 1744 | 2785 | 2193 | 1785 |
| Holding pressure | kgf/cm ² | 2795 | 2162 | 1775 | 2795 | 2224 | 1703 | 2897 | 2213 | 1744 | 2785 | 2193 | 1785 |
| Injection capacity | cm ³ | 40 | 51 | 64 | 51 | 64 | 84 | 86 | 113 | 143 | 129 | 163 | 201 |
| Injection weight (GPPS) | g | 38 | 49 | 61 | 49 | 61 | 80 | 83 | 108 | 137 | 124 | 156 | 193 |
| | oz | 1.3 | 1.7 | 2.2 | 1.7 | 2.2 | 2.8 | 2.9 | 3.8 | 4.8 | 4.4 | 5.5 | 6.8 |
| Plasticizing capacity (max.) | kg/hr | 18 | 26 | 37 | 26 | 37 | 53 | 37 | 53 | 76 | 53 | 76 | 101 |
| Injection rate | cm ³ /sec | 190 | 245 | 308 | 196 | 246 | 322 | 216 | 281 | 356 | 281 | 356 | 440 |
| Screw stroke | mm | 104 | | | 104 | | | 140 | | | 160 | | |
| Injection speed (max.) | mm/sec | 500 | | | 400 | | | 350 | | | | | |
| Screw speed (rpm) | rpm | 400 | | | | | | | | | | | |
| Heater capacity (5 zones) | kW | 3.8 | 4.2 | 4.8 | 4.2 | 4.8 | 5.4 | 6.5 | 7.5 | 8.4 | 7.5 | 8.4 | 10.3 |
| Nozzle contact force | kgf | 1428 | | | 4385 | | | | | | | | |
| Inj. unit stroke (penetration) | mm | 320 (30) | | | | | | 320 (45) | | | | | |
| Hopper capacity | liter | 15 | | | 15 | | | 30 | | | 30 | | |

MACHINE SPECIFICATIONS

| | | | | | | | | | | | | | |
|------------------------|------|----------------|--|--|----------------|--|--|----------------|--|--|----------------|--|--|
| Main breaker capacity | amps | 125 | | | | | | | | | | | |
| Dimensions (L x W x H) | mm | 4602x1192x1772 | | | 4602x1192x1772 | | | 4602x1192x1837 | | | 4602x1192x1837 | | |
| Machine weight | tonf | 4.0 | | | 4.1 | | | 4.3 | | | 4.4 | | |

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