

| SM4500-TP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---------------------|---------------|-------|--------------|-------|--------------|-------|------------|-------|--------------|-------|--------------|--------|--------------|--------|--------------|--------|--------------|--------|------------|--------|--------------|--------|------------|--------|--------------|---------|--------------|--|
| Clamping Unit | Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clamping Force (Max.) | t | 4,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Opening Stroke | mm | 2,300 - 3,400 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum Daylight | mm | 4,500 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mould platen (HxV) | mm | 3,300 x 3,130 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Space between Tie Bars (HxV) | mm | 2,430 x 2,100 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. Mould Thickness | mm | 2,200 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Min. Mould Thickness | mm | 1,100 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ejector Stroke | mm | 550 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ejector Force | t | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Injection unit | Unit | J1 | J2 | K1 | K2 | N1 | N2 | P1 | P2 | Q1 | Q2 | A1 | A2 | R1 | R2 | B1 | B2 | C1 | C2 | D1 | D2 | E1 | E2 | F1 | F2 | G1 | G2 | H | |
| Swept volume | cm ³ | 2.163 | 2.543 | 2.861 | 3.393 | 3.770 | 4.749 | 5.224 | 6.217 | 6.782 | 7.960 | 8.623 | 10.001 | 10.770 | 12.364 | 14.483 | 19.713 | 23.079 | 30.144 | 34.540 | 43.715 | 49.278 | 60.838 | 67.216 | 81.331 | 89.048 | 105.975 | 116.573 | |
| Shot weight (PS) | g | 1.968 | 2.314 | 2.604 | 3.087 | 3.430 | 4.322 | 4.754 | 5.658 | 6.172 | 7.244 | 7.847 | 9.101 | 9.801 | 11.251 | 13.180 | 17.939 | 21.002 | 27.431 | 31.431 | 39.780 | 44.843 | 55.362 | 61.166 | 74.011 | 81.034 | 96.437 | 106.081 | |
| Screw diameter | mm | 83 | 90 | 90 | 98 | 98 | 110 | 110 | 120 | 120 | 130 | 130 | 140 | 140 | 150 | 150 | 175 | 175 | 200 | 200 | 225 | 225 | 250 | 250 | 275 | 275 | 300 | 300 | |
| Screw L/D ratio | mm/mm | 22 | 20,3 | 22 | 20,2 | 22 | 19,5 | 22 | 20,2 | 22 | 20,3 | 22 | 20,4 | 22 | 20,5 | 22 | 18,9 | 22 | 19,3 | 22 | 19,6 | 22 | 19,8 | 22 | 20 | 22 | 20,2 | 22 | |
| Injection pressure (Max.) | kgf/cm ² | 1.905 | 1.620 | 1.874 | 1.579 | 1.874 | 1.487 | 1.874 | 1.579 | 1.874 | 1.599 | 1.834 | 1.579 | 1.834 | 1.599 | 1.834 | 1.345 | 1.630 | 1.253 | 1.630 | 1.283 | 1.630 | 1.324 | 1.630 | 1.345 | 1.630 | 1.365 | 1.630 | |
| Injection rate (PS) | g/s | 509 | 599 | 578 | 685 | 655 | 825 | 805 | 958 | 951 | 1.116 | 1.106 | 1.282 | 1.264 | 1.452 | 1.265 | 1.722 | 1.629 | 2.128 | 2.011 | 2.545 | 2.475 | 3.056 | 2.839 | 3.435 | 3.922 | 4.668 | 4.518 | |
| Screw rotation speed (Max.) | rpm | 150 | 150 | 140 | 140 | 130 | 130 | 115 | 115 | 110 | 110 | 100 | 100 | 95 | 95 | 80 | 83 | 69 | 65 | 50 | 60 | 50 | 60 | 47 | 50 | 40 | 40 | 40 | |
| Screw stroke | mm | 400 | 400 | 450 | 450 | 500 | 500 | 550 | 550 | 600 | 600 | 650 | 650 | 700 | 700 | 820 | 820 | 960 | 960 | 1.100 | 1.100 | 1.240 | 1.240 | 1.370 | 1.370 | 1.500 | 1.500 | 1.650 | |
| Others | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| System pressure | kgf/cm ² | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | |
| Pump motor | kW | 75 | 75 | 85 | 85 | 93 | 93 | 104,5 | 104,5 | 124,5 | 124,5 | 142,5 | 142,5 | 159,5 | 159,5 | 159,5 | 159,5 | 195 | 195 | 240 | 240 | 285 | 285 | 375 | 375 | 520 | 520 | 600 | |
| Heating capacity | kW | 38 | 38 | 42 | 42 | 48 | 48 | 50 | 50 | 70 | 70 | 80 | 80 | 95 | 95 | 100 | 100 | 130 | 130 | 175 | 175 | 220 | 220 | 270 | 270 | 330 | 330 | 390 | |
| Temperature control zones | Zones | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| Oil tank capacity | L | 2.100 | 2.100 | 2.150 | 2.150 | 2.200 | 2.200 | 2.700 | 2.700 | 2.800 | 2.800 | 3.150 | 3.150 | 3.750 | 3.750 | 4.300 | 4.300 | 4.600 | 4.600 | 6.400 | 6.400 | 7.850 | 7.850 | 9.100 | 9.100 | 11.400 | 11.400 | 12.900 | |
| Machine Dimensions (LxWxH) | m | 13x5,9x4,4 | | 13,1x5,9x4,4 | | 13,2x5,9x4,4 | | 14x5,9x4,4 | | 14,6x5,9x4,4 | | 14,7x5,9x4,4 | | 15,1x5,9x4,4 | | 15,1x5,9x4,4 | | 16,1x5,9x4,4 | | 17x5,9x4,4 | | 18,6x5,9x4,4 | | 20x5,9x4,4 | | 22,4x5,9x4,4 | | 24,4x5,9x4,4 | |
| Machine Weight (Approx.) | t | 165 | | 167 | | 169 | | 180 | | 183 | | 185 | | 187 | | 190 | | 195 | | 200 | | 210 | | 220 | | 230 | | 240 | |