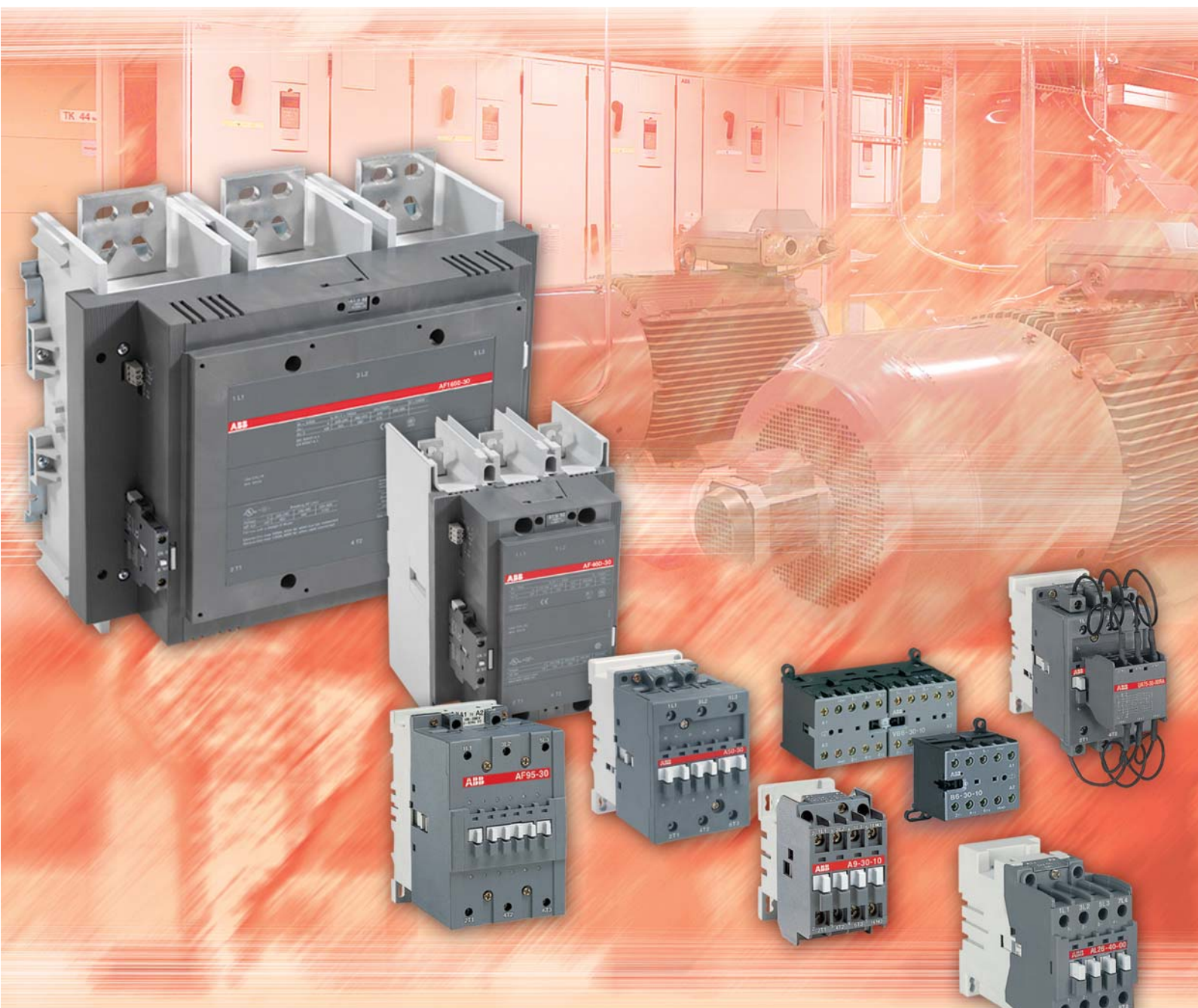


Contactors Motor Protection Accessories



Motor Rated Operational Powers and Currents

The currents given below concern standard three-phase four-pole cage motors (1500 r.p.m. at 50 Hz. 1800 r.p.m. at 60 Hz). These values are given for guidance and may vary according to the motor manufacturer and depending on the number of poles.

| IEC Motor power kW | Motor nominal current: standardized values in red colour (according to IEC 60947-4-1 Annex G) | | | | | | | | | |
|-----------------------------|---|------------|------------|-----------|------------|------------|------------|------------|------------|------------|
| | 220 V A | 230 V A | 240 V A | 380V A | 400 V A | 415 V A | 440 V A | 500 V A | 660 V A | 690 V A |
| 0.06 | 0.37 | 0.35 | 0.34 | 0.21 | 0.2 | 0.19 | 0.18 | 0.16 | 0.13 | 0.12 |
| 0.09 | 0.54 | 0.52 | 0.50 | 0.32 | 0.3 | 0.29 | 0.26 | 0.24 | 0.18 | 0.17 |
| 0.12 | 0.73 | 0.7 | 0.67 | 0.46 | 0.44 | 0.42 | 0.39 | 0.32 | 0.24 | 0.23 |
| 0.18 | 1 | 1 | 1 | 0.63 | 0.6 | 0.58 | 0.53 | 0.48 | 0.37 | 0.35 |
| 0.25 | 1.6 | 1.5 | 1.4 | 0.9 | 0.85 | 0.82 | 0.74 | 0.68 | 0.51 | 0.49 |
| 0.37 | 2.0 | 1.9 | 1.8 | 1.2 | 1.1 | 1.1 | 1.0 | 0.88 | 0.67 | 0.64 |
| 0.55 | 2.7 | 2.6 | 2.5 | 1.6 | 1.5 | 1.4 | 1.3 | 1.2 | 0.91 | 0.87 |
| 0.75 | 3.5 | 3.3 | 3.2 | 2.0 | 1.9 | 1.8 | 1.7 | 1.5 | 1.15 | 1.1 |
| 1.1 | 4.9 | 4.7 | 4.5 | 2.8 | 2.7 | 2.6 | 2.4 | 2.2 | 1.7 | 1.6 |
| 1.5 | 6.6 | 6.3 | 6.0 | 3.8 | 3.6 | 3.5 | 3.2 | 2.9 | 2.2 | 2.1 |
| 2.2 | 8.9 | 8.5 | 8.1 | 5.2 | 4.9 | 4.7 | 4.3 | 3.9 | 2.9 | 2.8 |
| 3 | 11.8 | 11.3 | 10.8 | 6.8 | 6.5 | 6.3 | 5.7 | 5.2 | 4.0 | 3.8 |
| 4 | 15.7 | 15 | 14.4 | 8.9 | 8.5 | 8.2 | 7.4 | 6.8 | 5.1 | 4.9 |
| 5.5 | 20.9 | 20 | 19.2 | 12.1 | 11.5 | 11.1 | 10.1 | 9.2 | 7.0 | 6.7 |
| 7.5 | 28.2 | 27 | 25.9 | 16.3 | 15.5 | 14.9 | 13.6 | 12.4 | 9.3 | 8.9 |
| 11 | 39.7 | 38 | 36.4 | 23.2 | 22 | 21.2 | 19.3 | 17.6 | 13.4 | 12.8 |
| 15 | 53.3 | 51 | 48.9 | 30.5 | 29 | 28.0 | 25.4 | 23 | 17.8 | 17 |
| 18.5 | 63.8 | 61 | 58.5 | 36.8 | 35 | 33.7 | 30.7 | 28 | 22.0 | 21 |
| 22 | 75.3 | 72 | 69 | 43.2 | 41 | 39.5 | 35.9 | 33 | 25.1 | 24 |
| 30 | 100 | 96 | 92 | 57.9 | 55 | 53 | 48.2 | 44 | 33.5 | 32 |
| 37 | 120 | 115 | 110 | 69 | 66 | 64 | 58 | 53 | 40.8 | 39 |
| 45 | 146 | 140 | 134 | 84 | 80 | 77 | 70 | 64 | 49.1 | 47 |
| 55 | 177 | 169 | 162 | 102 | 97 | 93 | 85 | 78 | 59.6 | 57 |
| 75 | 240 | 230 | 220 | 139 | 132 | 127 | 116 | 106 | 81 | 77 |
| 90 | 291 | 278 | 266 | 168 | 160 | 154 | 140 | 128 | 97 | 93 |
| 110 | 355 | 340 | 326 | 205 | 195 | 188 | 171 | 156 | 118 | 113 |
| 132 | 418 | 400 | 383 | 242 | 230 | 222 | 202 | 184 | 140 | 134 |
| 160 | 509 | 487 | 467 | 295 | 280 | 270 | 245 | 224 | 169 | 162 |
| 200 | 637 | 609 | 584 | 368 | 350 | 337 | 307 | 280 | 212 | 203 |
| 250 | 782 | 748 | 717 | 453 | 430 | 414 | 377 | 344 | 261 | 250 |
| 315 | 983 | 940 | 901 | 568 | 540 | 520 | 473 | 432 | 327 | 313 |
| 355 | 1109 | 1061 | 1017 | 642 | 610 | 588 | 535 | 488 | 370 | 354 |
| 400 | 1255 | 1200 | 1150 | 726 | 690 | 665 | 605 | 552 | 418 | 400 |
| 500 | 1545 | 1478 | 1416 | 895 | 850 | 819 | 745 | 680 | 515 | 493 |
| 560 | 1727 | 1652 | 1583 | 1000 | 950 | 916 | 832 | 760 | 576 | 551 |
| 630 | 1928 | 1844 | 1767 | 1116 | 1060 | 1022 | 929 | 848 | 643 | 615 |
| 710 | 2164 | 2070 | 1984 | 1253 | 1190 | 1147 | 1043 | 952 | 721 | 690 |
| 800 | 2446 | 2340 | 2243 | 1417 | 1346 | 1297 | 1179 | 1076 | 815 | 780 |
| 900 | 2760 | 2640 | 2530 | 1598 | 1518 | 1463 | 1330 | 1214 | 920 | 880 |
| 1000 | 3042 | 2910 | 2789 | 1761 | 1673 | 1613 | 1466 | 1339 | 1014 | 970 |

| UL / CSA Motor power hp | Motor nominal current: standardized values (according to IEC 60947-4-1 Annex G and UL 508) | | | | |
|-------------------------------------|--|----------------|----------------|----------------|----------------|
| | 208 V A | 220-240 V A | 380-415 V A | 440-480 V A | 550-600 V A |
| 1/2 | 2.4 | 2.2 | 1.3 | 1.1 | 0.9 |
| 3/4 | 3.5 | 3.2 | 1.8 | 1.6 | 1.3 |
| 1 | 4.6 | 4.2 | 2.3 | 2.1 | 1.7 |
| 1-1/2 | 6.6 | 6 | 3.3 | 3 | 2.4 |
| 2 | 7.5 | 6.8 | 4.3 | 3.4 | 2.7 |
| 3 | 10.6 | 9.6 | 6.1 | 4.8 | 3.9 |
| 5 | 16.7 | 15.2 | 9.7 | 7.6 | 6.1 |
| 7-1/2 | 24.2 | 22 | 14 | 11 | 9 |
| 10 | 30.8 | 28 | 18 | 14 | 11 |
| 15 | 46.2 | 42 | 27 | 21 | 17 |
| 20 | 59.4 | 54 | 34 | 27 | 22 |
| 25 | 74.8 | 68 | 44 | 34 | 27 |
| 30 | 88 | 80 | 51 | 40 | 32 |
| 40 | 114 | 104 | 66 | 52 | 41 |
| 50 | 143 | 130 | 83 | 65 | 52 |
| 60 | 169 | 154 | 103 | 77 | 62 |
| 75 | 211 | 192 | 128 | 96 | 77 |
| 100 | 273 | 248 | 165 | 124 | 99 |
| 125 | 343 | 312 | 208 | 156 | 125 |
| 150 | 396 | 360 | 240 | 180 | 144 |
| 200 | 528 | 480 | 320 | 240 | 192 |
| 250 | - | 604 | 403 | 302 | 242 |
| 300 | - | 722 | 482 | 361 | 289 |
| 350 | - | 828 | 560 | 414 | 336 |
| 400 | - | 954 | 636 | 477 | 382 |
| 450 | - | 1030 | - | 515 | 412 |
| 500 | - | 1180 | 786 | 590 | 472 |