

Motor type NP250KM

IC06-17-37-86W

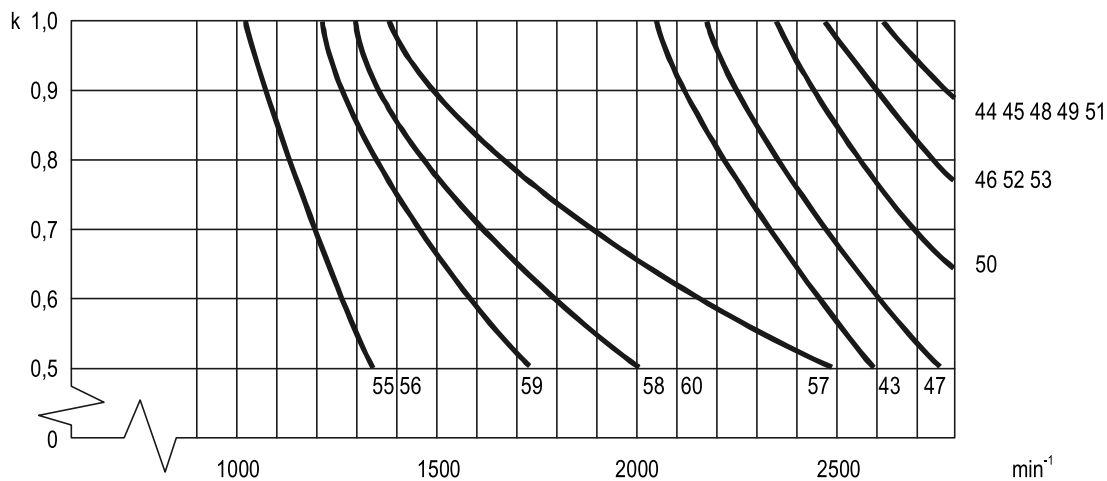
| Winding N° | Base speed (rpm) | | | | | P (kW) | I (A) | T (Nm) | η (%) | R _{arm} (Ohm) | L _{arm} (mH) | Select. Code |
|---------------|------------------|-------|-------|-------|-------|-----------|----------|-----------|---------------|---------------------------|--------------------------|-----------------|
| | 400 V | 440 V | 460 V | 520 V | 600 V | | | | | | | |
| 43 | 1709 | | | | | 356 | 950 | 1981 | 93,8 | 0,014 | 0,14 | 5 |
| | | 1886 | | | | 393 | 950 | 1980 | 94,0 | | | |
| | | | 1975 | | | 411 | 950 | 1978 | 94,2 | | | |
| 44 | 1571 | | | | | 331 | 890 | 2003 | 93,2 | 0,018 | 0,16 | 5 |
| | | 1736 | | | | 366 | 890 | 2005 | 93,5 | | | |
| | | | 1818 | | | 383 | 890 | 2003 | 93,7 | | | |
| 45 | 1457 | | | | | 323 | 870 | 2107 | 92,9 | 0,020 | 0,18 | 5 |
| | | 1611 | | | | 357 | 870 | 2107 | 93,3 | | | |
| | | | 1687 | | | 374 | 870 | 2107 | 93,5 | | | |
| 46 | | | | 1917 | | 424 | 870 | 2103 | 93,9 | 0,023 | 0,21 | 5 |
| | 1362 | | | | | 301 | 815 | 2100 | 92,3 | | | |
| | | 1505 | | | | 333 | 815 | 2103 | 92,8 | | | |
| 47 | | | | | | 349 | 815 | 2102 | 93,0 | 0,026 | 0,25 | 5 |
| | | | | 1793 | | 396 | 815 | 2100 | 93,4 | | | |
| | 1217 | | | | | 282 | 765 | 2203 | 92,5 | | | |
| 48 | | | | | 1861 | 431 | 765 | 2202 | 94,1 | 0,033 | 0,29 | 5 |
| | | | | | | 312 | 765 | 2204 | 92,9 | | | |
| | | | | | | 327 | 765 | 2205 | 93,1 | | | |
| 49 | | | | | | 372 | 765 | 2206 | 93,6 | 0,039 | 0,35 | 5 |
| | | | | | | 431 | 765 | 2202 | 94,1 | | | |
| | 1111 | | | | | 256 | 700 | 2191 | 91,7 | | | |
| 50 | | | | | | 284 | 700 | 2196 | 92,3 | 0,048 | 0,44 | 5 |
| | | | | | | 297 | 700 | 2191 | 92,5 | | | |
| | | | | | | 338 | 700 | 2191 | 93,1 | | | |
| 51 | | | | | | 393 | 700 | 2193 | 93,6 | 0,059 | 0,53 | 5 |
| | | | | | | 234 | 649 | 2175 | 90,5 | | | |
| | | | | | | 261 | 648 | 2191 | 91,8 | | | |
| 52 | | | | | | 274 | 647 | 2194 | 92,1 | 0,066 | 0,62 | 5 |
| | | | | | | 311 | 646 | 2186 | 92,8 | | | |
| | | | | | | 361 | 645 | 2183 | 93,4 | | | |
| 53 | | | | | | 210 | 579 | 2233 | 90,7 | 0,074 | 0,71 | 5 |
| | | | | | | 231 | 577 | 2216 | 91,3 | | | |
| | | | | | | 242 | 576 | 2214 | 91,6 | | | |
| 54 | | | | | | 276 | 575 | 2216 | 92,3 | 0,082 | 0,80 | 5 |
| | | | | | | 319 | 573 | 2201 | 93,0 | | | |
| | | | | | | 190 | 529 | 2215 | 89,9 | | | |
| 55 | | | | | | 210 | 527 | 2207 | 90,6 | 0,095 | 0,90 | 5 |
| | | | | | | 220 | 526 | 2204 | 90,9 | | | |
| | | | | | | 249 | 524 | 2186 | 91,7 | | | |
| 56 | | | | | | 290 | 524 | 2187 | 92,5 | 0,107 | 1,08 | 5 |
| | | | | | | 175 | 489 | 2211 | 89,5 | | | |
| | | | | | | 193 | 487 | 2197 | 90,3 | | | |
| 57 | | | | | | 202 | 486 | 2191 | 90,7 | 0,115 | 1,16 | 5 |
| | | | | | | 230 | 485 | 2186 | 91,5 | | | |
| | | | | | | 268 | 485 | 2188 | 92,4 | | | |
| 58 | | | | | | 163 | 459 | 2203 | 89,2 | 0,123 | 1,24 | 5 |
| | | | | | | 181 | 458 | 2203 | 90,0 | | | |
| | | | | | | 189 | 457 | 2192 | 90,3 | | | |
| 59 | | | | | | 216 | 456 | 2194 | 91,2 | 0,131 | 1,32 | 5 |
| | | | | | | 251 | 455 | 2188 | 92,1 | | | |
| | | | | | | 145 | 414 | 2231 | 87,8 | | | |
| 60 | | | | | | 161 | 414 | 2228 | 88,8 | 0,139 | 1,39 | 5 |
| | | | | | | 169 | 414 | 2227 | 89,2 | | | |
| | | | | | | 193 | 413 | 2224 | 90,2 | | | |
| 61 | | | | | | 225 | 412 | 2222 | 91,2 | 0,147 | 1,47 | 5 |
| | | | | | | 131 | 375 | 2208 | 87,7 | | | |
| | | | | | | 146 | 375 | 2213 | 88,6 | | | |
| 62 | | | | | | 153 | 375 | 2208 | 89,0 | 0,155 | 1,55 | 5 |
| | | | | | | 175 | 375 | 2209 | 90,1 | | | |
| | | | | | | 204 | 375 | 2206 | 91,1 | | | |

Motor type NP250KM

IC06-17-37-86W

| Winding N° | Base speed (rpm) | | | | | P (kW) | I (A) | T (Nm) | η (%) | R _{arm} (Ohm) | L _{arm} (mH) | Select. code |
|------------|------------------|-------|-------|-------|-------|--------|-------|--------|------------|------------------------|-----------------------|--------------|
| | 400 V | 440 V | 460 V | 520 V | 600 V | | | | | | | |
| 57 | 512 | | | | | 117 | 340 | 2172 | 86,3 | 0,134 | 1,32 | 5 |
| | | 570 | | | | 130 | 340 | 2167 | 87,4 | | | |
| | | | 599 | | | 137 | 340 | 2173 | 87,8 | | | |
| | | | | 686 | | 157 | 340 | 2174 | 89,0 | | | |
| | | | | | 803 | 184 | 340 | 2179 | 90,2 | | | |
| 58 | 469 | | | | | 107 | 315 | 2167 | 85,3 | 0,157 | 1,55 | 5 |
| | | 523 | | | | 119 | 315 | 2162 | 86,4 | | | |
| | | | 550 | | | 126 | 315 | 2177 | 87,0 | | | |
| | | | | 631 | | 144 | 315 | 2170 | 88,2 | | | |
| | | | | | 739 | 169 | 315 | 2175 | 89,5 | | | |
| 59 | 433 | | | | | 99 | 294 | 2176 | 84,4 | 0,182 | 1,80 | 5 |
| | | 483 | | | | 110 | 294 | 2166 | 85,0 | | | |
| | | | 508 | | | 116 | 293 | 2170 | 86,1 | | | |
| | | | | 584 | | 132 | 292 | 2150 | 87,5 | | | |
| | | | | | 684 | 155 | 291 | 2153 | 89,0 | | | |
| 60 | 347 | | | | | 80 | 245 | 2192 | 82,2 | 0,254 | 2,70 | |
| | | 388 | | | | 90 | 245 | 2203 | 83,6 | | | |
| | | | 409 | | | 94 | 245 | 2185 | 84,2 | | | |
| | | | | 471 | | 109 | 245 | 2200 | 85,9 | | | |
| | | | | | 554 | 128 | 245 | 2198 | 87,5 | | | |

De-rating coefficient for speed variation at constant power by field weakening



Main features

| NP250KM5 | | |
|----------------------|------------------|-------------|
| Field power | W | 3300 |
| Inertia | Kgm ² | 3,9 |
| Max mechanical speed | rpm | 2800 |
| Weight IC06 | kg | 1275 |
| Weight IC17-IC37 | kg | 1220 |
| Weight IC86W | kg | 1480 |
| DE bearing | roller | NU2220EC-C3 |
| NDE bearing | ball | 6318-C3 |

Blowers data (3x400 V – 50 Hz)

| | | IC06 | IC17-37 | IC86W |
|-------------------|---------------------|-------|---------|--------|
| Blower ac motor | type | 100L2 | -- | 112M2A |
| Power | kW | 3 | -- | 4 |
| Current | A | 5,95 | -- | 7,4 |
| Poles | n° | 2 | -- | 2 |
| Dissipated losses | kW | -- | -- | 28 |
| Water flow rate | m ³ /h | -- | -- | 4,82 |
| Pressure drop | Pa | -- | -- | 12400 |
| Water flanges | DIN2566 | -- | -- | DN40 |
| Air flow rate | m ³ /sec | -- | 1 | -- |
| Static pressure | Pa | -- | 2000 | -- |