

Worm Geared Motors R with One-Stage Worm Gears

230/400V, 50Hz, IP54, isolation class F, can also be connected to alternating current using an operating capacitor.

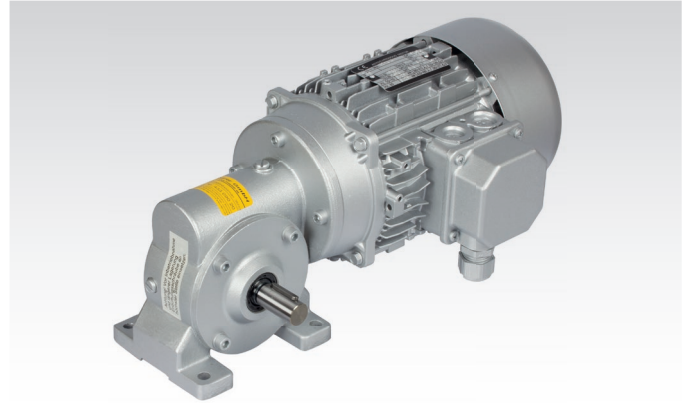
Efficiency class IE2.

General data page 771.

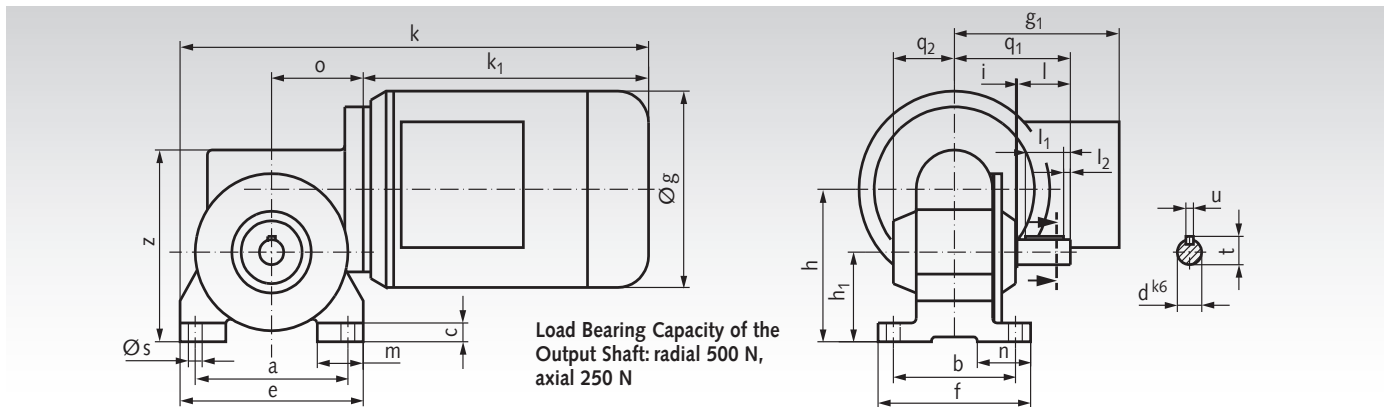
Motor and gearbox with roller bearing.

Worms hardened and ground.

Worm gears made from special brass.



Ordering details: Type, Voltage/Frequency, possibly Operating Capacitor, Motor Data, Ratio, Product No.



| Power Watt | a mm | b mm | c mm | e mm | f mm | h mm | h ₁ mm | m mm | n mm | s mm | g mm | g ₁ mm | k mm | k ₁ mm | o mm | q ₁ mm | q ₂ mm | z mm | d mm | i mm | l mm | l ₁ mm | l ₂ mm | t mm | u mm |
|---------------|---------|---------|---------|---------|---------|---------|----------------------|---------|---------|---------|---------|----------------------|---------|----------------------|---------|----------------------|----------------------|---------|---------|---------|---------|----------------------|----------------------|---------|---------|
| 180 | 100 | 80 | 12 | 120 | 100 | 97 | 57 | 30 | 35 | 9 | 125 | 108 | 307 | 187 | 60 | 76 | 40 | 122 | 16 | 1 | 35 | 25 | 5 | 18 | 5 |
| 250 | 100 | 80 | 12 | 120 | 100 | 97 | 57 | 30 | 35 | 9 | 140 | 114 | 327 | 207 | 60 | 76 | 40 | 122 | 16 | 1 | 35 | 25 | 5 | 18 | 5 |

Dimensions without stated tolerances are non-binding!

Motor Data 180 Watt, 1400 min⁻¹, ca. 0.7 A at 400 Volt

| Product No. | Output-Speed min ⁻¹ | Ratio i = | Permiss. Torque at the Output Shaft Nm | Weight kg | Product No. Operating Capacitor 20µF |
|-------------|-----------------------------------|--------------|--|--------------|--|
| 433 08 007 | 207 | 7 : 1 | 6,5 | 6,5 | 436 362 00 |
| 433 08 008 | 175 | 8 : 1 | 7,4 | 6,5 | 436 362 00 |
| 433 08 010 | 140 | 10 : 1 | 9,1 | 6,5 | 436 362 00 |
| 433 08 012 | 117 | 12 : 1 | 10 | 6,5 | 436 362 00 |
| 433 08 015 | 93 | 15 : 1 | 12 | 6,5 | 436 362 00 |
| 433 08 020 | 70 | 20 : 1 | 15 | 6,5 | 436 362 00 |
| 433 08 025 | 56 | 25 : 1 | 17 | 6,5 | 436 362 00 |
| 433 08 030 | 47 | 30 : 1 | 20 | 6,5 | 436 362 00 |
| 433 08 040 | 35 | 40 : 1 | 23 | 6,5 | 436 362 00 |
| 433 08 050 | 28 | 50 : 1 | 27 | 6,5 | 436 362 00 |
| 433 08 060 | 23 | 60 : 1 | 21 | 6,5 | 436 362 00 |
| 433 08 080 | 18 | 80 : 1 | 24* | 6,5 | 436 362 00 |

* Stability related max. torque.

Motor Data 250 Watt, 1400 min⁻¹, ca. 0,8 A at 400 Volt

| Product No. | Output-Speed min ⁻¹ | Ratio i = | Permiss. Torque at the Output Shaft Nm | Weight kg | Product No. Operating Capacitor 25µF |
|-------------|-----------------------------------|--------------|--|--------------|--|
| 433 09 007 | 207 | 7 : 1 | 9 | 7,8 | 436 363 00 |
| 433 09 008 | 175 | 8 : 1 | 10 | 7,8 | 436 363 00 |
| 433 09 010 | 140 | 10 : 1 | 13 | 7,8 | 436 363 00 |
| 433 09 012 | 117 | 12 : 1 | 14 | 7,8 | 436 363 00 |
| 433 09 015 | 93 | 15 : 1 | 17 | 7,8 | 436 363 00 |
| 433 09 020 | 70 | 20 : 1 | 21 | 7,8 | 436 363 00 |
| 433 09 025 | 56 | 25 : 1 | 23 | 7,8 | 436 363 00 |
| 433 09 030 | 47 | 30 : 1 | 27 | 7,8 | 436 363 00 |
| 433 09 040 | 35 | 40 : 1 | 31 | 7,8 | 436 363 00 |
| 433 09 050 | 28 | 50 : 1 | 32* | 7,8 | 436 363 00 |
| 433 09 060 | 23 | 60 : 1 | 23* | 7,8 | 436 363 00 |
| 433 09 080 | 18 | 80 : 1 | 24* | 7,8 | 436 363 00 |

* Stability related max. torque.