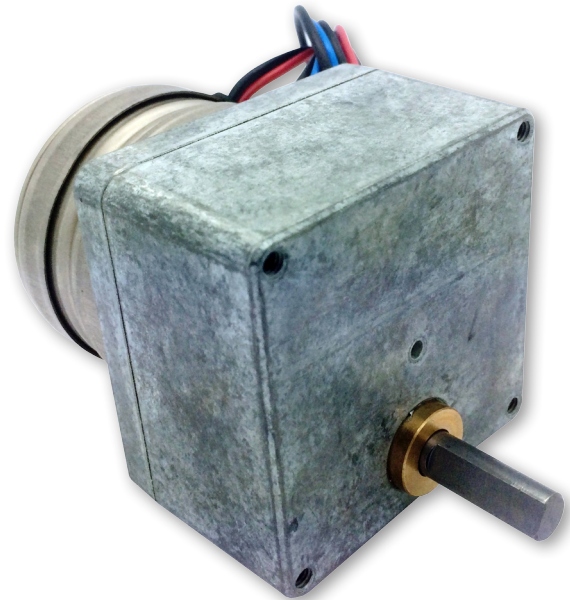


MRIG-MV86111 series - Geared Synchronous Motor

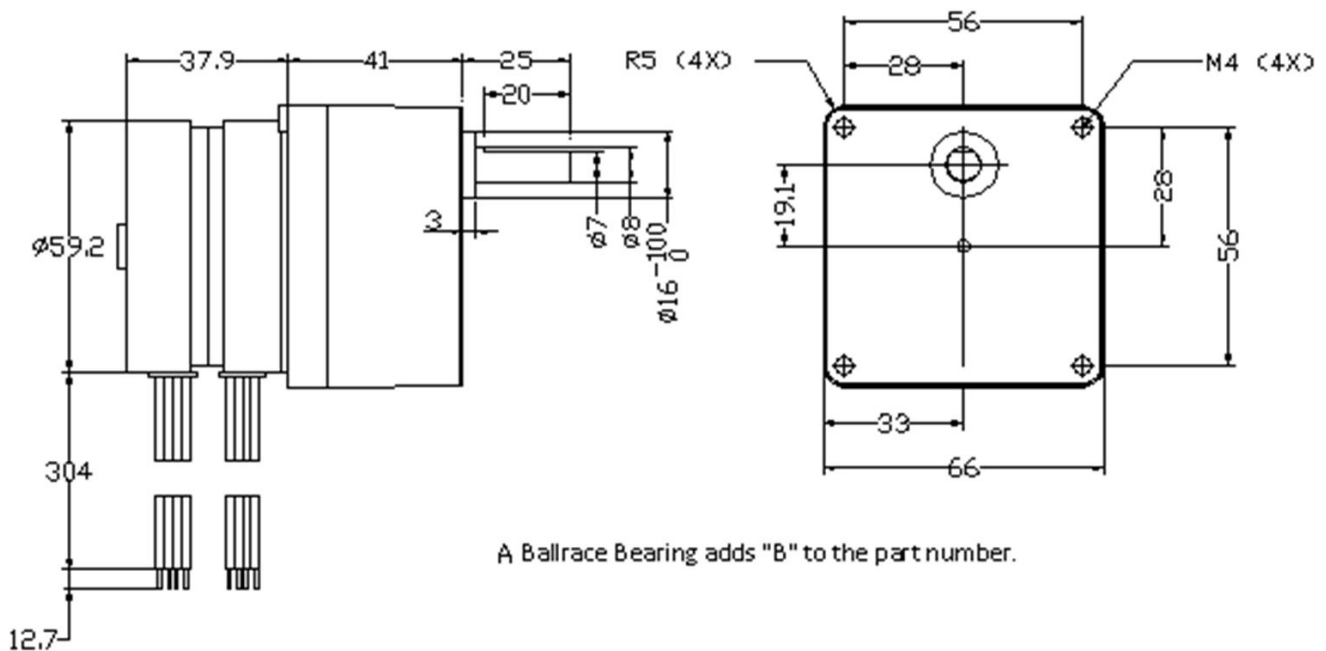
MRIG series geared AC synchronous motors provide an excellent combination of reliable operation at economical prices. The choice of gear ratios enables the design engineer to choose a resolution ideally suited to the application requirements.

Key features:

- High performance AC Synchronous motor
- Long life, low maintenance due to the brushless nature of the motor
- Precision gear head incorporating metal gears for optimum torque transmission
- Wide range of standard gear ratio options available from stock for increased resolution and torque
- Choice of Standard or Ball Race bearings available on request
- A number of matched drives and controllers available
- Reversible



Outline dimensions (mm)





MRIG-MV86111 series - Geared Synchronous Motor - Specifications and ordering information

| | | | | | Part Number | | | | | |
|----------------|----------------------|--------|--------------|---------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|
| | | | | | MRIGXX-X*/ MV86111-P3 | | MRIGXX-X*/ MV86111-P4 | | MRIGXX-X*/ MV86111-P5 | |
| Motor Spec' | AC Operating Voltage | | V | | 24 | | 110 | | 220 | |
| | Frequency | | Hz | | 50 | | 50 | | 50 | |
| | Speed | | RPM | | 250 | | 250 | | 250 | |
| | Capacitance | | uF | | 18 | | 0.82 | | 0.22 | |
| Gearhead Spec' | Gearhead Ratio code | Ratio | Efficiency % | Mass kg | Outout speed RPM | Synchronous torque Ncm | Outout speed RPM | Synchronous torque Ncm | Outout speed RPM | Synchronous torque Ncm |
| | MRIG02 | 5:1 | 72 | 0.90 | 50 | 69 | 50 | 69 | 50 | 69 |
| | MRIG06 | 25:2 | 72 | 0.90 | 20 | 347 | 20 | 347 | 20 | 347 |
| | MRIG11 | 25:1 | 65 | 0.92 | 10 | 385 | 10 | 385 | 10 | 385 |
| | MRIG17 | 50:1 | 65 | 0.92 | 5 | 769 | 5 | 769 | 5 | 769 |
| | MRIG22 | 100:1 | 58 | 0.94 | 2.5 | 1724 | 2.5 | 1724 | 2.5 | 1724 |
| | MRIG23 | 125:1 | 58 | 0.94 | 2 | 2155 | 2 | 2155 | 2 | 2155 |
| | MRIG27 | 250:1 | 52 | 0.96 | 1 | 4808 | 1 | 4808 | 1 | 4808 |
| | MRIG34 | 500:1 | 52 | 0.96 | 0.5 | 9615 | 0.5 | 9615 | 0.5 | 9615 |
| | MRIG39 | 1000:1 | 52 | 0.96 | 0.25 | 19231 | 0.25 | 19231 | 0.25 | 19231 |

Note: *For ballrace output bearing option, add 'B' to the part number (e.g. MRIG02-B-MV86111-P3)