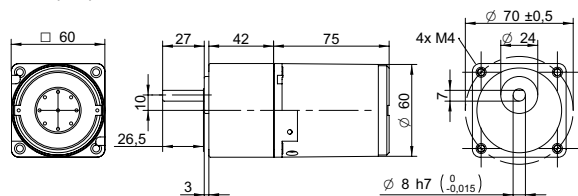
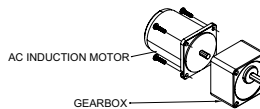


DRAWING (mm)



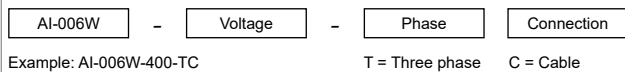
AC induction motor and gearbox also sold separately.



PHOTO



MODEL NO. DESIGNATION



ACCESSORIES¹



● C = customizations are offered on demand even for smaller quantities. Typical customizations are indicated with a green dot at column end. Please contact us for any customization request.

GEAR MOTOR DATA C

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|-----|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|---|
| Gear ratio | | 3 | 3.6 | 5 | 6 | 7.5 | 9 | 10 | 12.5 | 15 | 18 | 20 | 25 | 30 | 36 | 40 | 50 | 60 | 75 | 90 | 100 | 120 | 150 | 180 | 200 | |
| Nominal torque | Nm | 0.12 | 0.14 | 0.19 | 0.23 | 0.29 | 0.35 | 0.39 | 0.49 | 0.58 | 0.70 | 0.70 | 0.88 | 1.1 | 1.3 | 1.4 | 1.8 | 1.9 | 2.4 | 2.9 | 3.0² | 3.0² | 3.0² | 3.0² | 3.0² | ● |
| Nominal speed | rpm | 400 | 330 | 240 | 200 | 160 | 130 | 120 | 96 | 80 | 67 | 60 | 48 | 40 | 33 | 30 | 24 | 20 | 16 | 13 | 12 | 10 | 8 | 7 | 6 | |
| Nominal power | W | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.0 | 4.0 | 4.0 | 3.8 | 3.1 | 2.5 | 2.1 | 1.9 | |
| Gearb. nom. torq. ³ | Nm | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| Gearbox efficiency | % | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 73 | 73 | 73 | 73 | 73 | 73 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | |
| Radial load ⁴ | N | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | |
| Direction of rot. | | CW | CW | CW | CW | CW | CW | CW | CW | CW | CW | CCW | CCW | CCW | CCW | CCW | CCW | CW | CW | CW | CW | CW | CW | CW | CW | |
| Weight | kg | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | |

OTHER GEAR MOTOR DATA C

| | | |
|------------------------|----|-----------|
| Service life | h | 10000 |
| Performance tolerances | | ± 15 |
| Operating temperature | °C | -10 to 40 |
| IP rating | | IP20 |
| Manufacturing standard | | ISO 9001 |
| CE label UL label | | Yes No |

AC INDUCTION MOTOR DATA C

| | | |
|--------------------------------|-----|-------|
| Nominal voltage | V | 380 |
| No. of phases | | 3 |
| Frequency | Hz | 50 |
| No. of poles | | 4 |
| Nominal speed | rpm | 1200 |
| Nominal torque | mNm | 48 |
| Nominal current | A | 0.04 |
| Nominal power | W | 6 |
| Stall torque | mNm | 85 |
| Insulation class | | B |
| Motor cable | | AWG20 |
| Motor cable length | mm | 300 |
| Capacitor included in delivery | µF | - |
| Insulation resistance | MΩ | 100 |
| Dielectric strength | kV | 1.5 |
| Max. winding temperature | °C | 80 |
| Weight | kg | 0.75 |

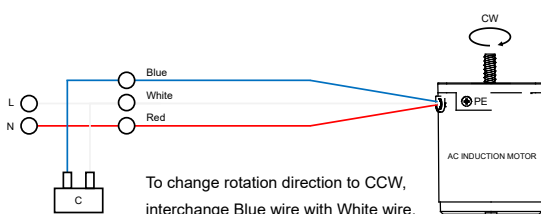
GEAR MOTOR RANGE AI-SERIES⁵

| | | |
|-----------------|----|------------------------|
| Nominal voltage | V | See separate datasheet |
| Nominal power | W | See separate datasheet |
| Dimension | mm | See separate datasheet |

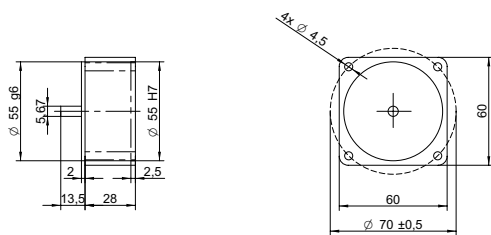
NOTES

1. See page 2 of this datasheet.
2. Gear motor torque limited by gearbox.
3. Gearbox nominal torque.
4. 20 mm from shaft.
5. Visit www.transmotec.com to view datasheets.

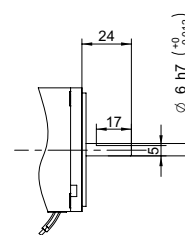
WIRING DIAGRAM AC INDUCTION MOTOR



DECIMAL GEARBOX¹



OUTPUT SHAFT D-CUT



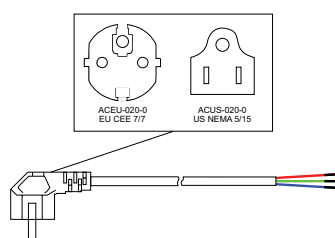
DECIMAL GEARBOX DATA

| | |
|-------------------|--|
| Model designation | S60A-Y010 |
| Gear ratio | 10:1 |
| Nominal torque | Nm 3 |
| Description | Connected between AC motor and existing gearbox to decrease the speed further than the gear ratio listed in the table. |

DECIMAL GEARBOX DATA

Model designation Contact us for more information.

POWER CABLE



POWER CABLE DATA

| | |
|-------------------|---------------------------|
| Model designation | ACEU-020-0 ACUS-020-0 |
| Standard | EU CEE 7/7 US NEMA 5/15 |
| Cable length | m ft 2 8 |

NOTES

1. Visit www.transmotec.com to view datasheets.