

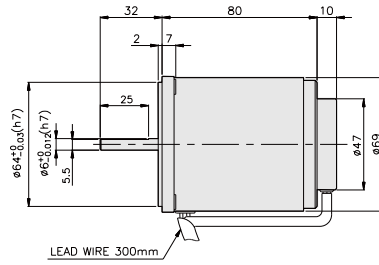
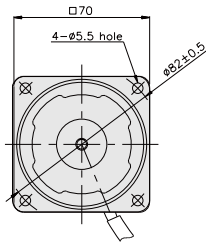
SPEED CONTROL MOTOR - SP SERIES

15W

□70mm

REVERSIBLE MOTOR

K7RS15N□-SP



SPECIFICATIONS

15W 30 minutes rating, four poles

| Model | Voltage (V) | Frequency (Hz) | Speed Range (rpm) | Permissible Torque | | Start T. (N*m/Kgf*cm) | Current (A) | Condenser (μF) |
|-------------|-------------|----------------|-------------------|----------------------|--------------------|-----------------------|-------------|----------------|
| | | | | 1200rpm (N*m/kgf*cm) | 90rpm (N*m/kgf*cm) | | | |
| K7R□15NJ-SP | 100 | 50 | 90 ~ 1400 | 0.14/1.4 | 0.05/0.5 | 0.085/0.85 | 0.56 | 7 |
| | | | 60 | | | | | |
| K7R□15NU-SP | 110 | 60 | 90 ~ 1700 | 0.14/1.4 | 0.05/0.5 | 0.085/0.85 | 0.58 | 6 |
| | | | 115 | | | | | |
| K7R□15NL-SP | 200 | 50 | 90 ~ 1400 | 0.135/1.35 | 0.055/0.55 | 0.09/0.9 | 0.31 | 2 |
| | | | 60 | | | | | |
| K7R□15NC-SP | 220 | 50 | 90 ~ 1400 | 0.135/1.35 | 0.05/0.5 | 0.08/0.8 | 0.3 | 1.5 |
| | | | 60 | | | | | |
| | 230 | 50 | 90 ~ 1400 | 0.135/1.35 | 0.055/0.55 | 0.085/0.85 | 0.3 | |
| | | | 60 | | | | | |
| K7R□15ND-SP | 240 | 50 | 90 ~ 1400 | 0.135/1.35 | 0.05/0.5 | 0.09/0.9 | 0.34 | 1.5 |

* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

RATED TORQUE OF GEARHEAD

● Single-phase 100V/115V

unit = above : N·m / below : Kgf·cm

| Model | Ratio | Speed (rpm) | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------|---------|
| | | 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 |
| K7R□15N□-SP K7G□B(C) | 1200 | 0.34 3.4 | 0.41 4.1 | 0.57 5.7 | 0.68 6.8 | 0.85 8.5 | 1.02 10.2 | 1.13 11.3 | 1.42 14.2 | 1.70 17.0 | 2.04 20.4 | 2.04 20.4 | 2.55 25.5 | 3.06 30.6 | 3.67 36.7 | 4.08 40.8 | 4.59 45.9 | 5 50 | 5 50 | 5 50 | 5 50 | 5 50 | 5 50 | 5 50 | 5 50 |
| | 90 | 0.12 1.2 | 0.15 1.5 | 0.20 2.0 | 0.24 2.4 | 0.30 3.0 | 0.36 3.6 | 0.41 4.1 | 0.51 5.1 | 0.61 6.1 | 0.73 7.3 | 0.73 7.3 | 0.91 9.1 | 1.09 10.9 | 1.31 13.1 | 1.46 14.6 | 1.64 16.4 | 1.97 19.7 | 2.46 24.6 | 2.95 29.5 | 3.28 32.8 | 3.94 39.4 | 4.92 49.2 | 5 50 | 5 50 |

● Single-phase 200V/240V

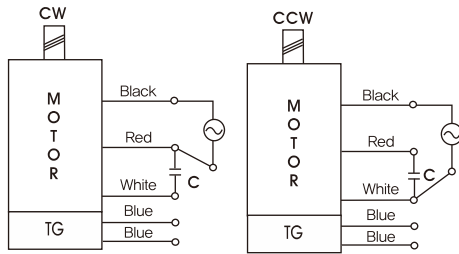
unit = above : N·m / below : Kgf·cm

| Model | Ratio | Speed (rpm) | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------|---------|
| | | 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 | |
| K7R□15N□-SP K7G□B(C) | 1200 | 200V/220V/230V 240V/50Hz | 0.33 3.3 | 0.39 3.9 | 0.55 5.5 | 0.66 6.6 | 0.82 8.2 | 0.98 9.8 | 1.09 10.9 | 1.37 13.7 | 1.64 16.4 | 1.97 19.7 | 1.97 19.7 | 2.46 24.6 | 2.95 29.5 | 3.54 35.4 | 3.94 39.4 | 4.43 44.3 | 5 50 | 5 50 | 5 50 | 5 50 | 5 50 | 5 50 | 5 50 | 5 50 |
| | | 200V/220V 230V/60Hz | 0.28 2.8 | 0.34 3.4 | 0.47 4.7 | 0.56 5.6 | 0.70 7.0 | 0.84 8.4 | 0.93 9.3 | 1.16 11.6 | 1.40 14.0 | 1.68 16.8 | 1.68 16.8 | 2.10 21.0 | 2.52 25.2 | 3.02 30.2 | 3.35 33.5 | 3.77 37.7 | 4.53 45.3 | 5 50 | 5 50 | 5 50 | 5 50 | 5 50 | 5 50 | 5 50 |
| | 90 | 220V/230V 50Hz/60Hz | 0.13 1.3 | 0.16 1.6 | 0.22 2.2 | 0.27 2.7 | 0.33 3.3 | 0.40 4.0 | 0.45 4.5 | 0.56 5.6 | 0.67 6.7 | 0.80 8.0 | 0.80 8.0 | 1.00 10.0 | 1.20 12.0 | 1.44 14.4 | 1.60 16.0 | 1.80 18.0 | 2.17 21.7 | 2.71 27.1 | 3.25 32.5 | 3.61 36.1 | 4.33 43.3 | 5 50 | 5 50 | |
| | | 220V/50Hz/60Hz 240V/50Hz | 0.12 1.2 | 0.15 1.5 | 0.20 2.0 | 0.24 2.4 | 0.30 3.0 | 0.36 3.6 | 0.41 4.1 | 0.51 5.1 | 0.61 6.1 | 0.73 7.3 | 0.73 7.3 | 0.91 9.1 | 1.09 10.9 | 1.31 13.1 | 1.46 14.6 | 1.64 16.4 | 1.97 19.7 | 2.46 24.6 | 2.95 29.5 | 3.28 32.8 | 3.94 39.4 | 4.92 49.2 | 5 50 | 5 50 |

- * Gearhead and decimal gearhead are sold separately.
- * The code in □ of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth of the ratio, between the gearhead and the motor. In this case, the permissible torque is 5N·m/50kgf·cm.
- * RPM is based on motor's synchronous rpm (50Hz:1500rpm, 60Hz:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.

GEARHEADS

CONNECTION DIAGRAMS

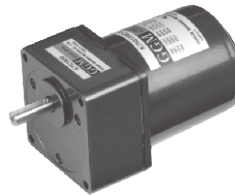


※The direction of motor rotation is as viewed from the front shaft end of the motor

DIMENSIONS

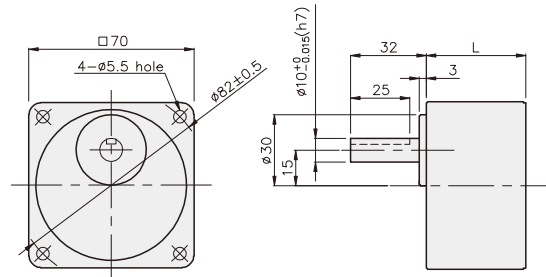
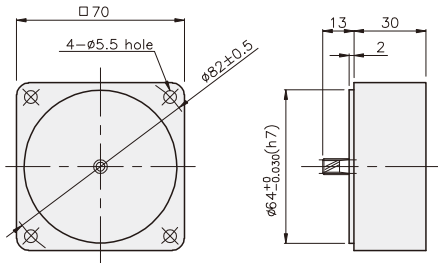
K7G□B(C)

K7RG15N□-SP + K7G□B(C)



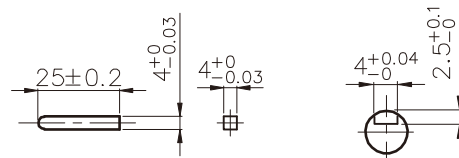
DECIMAL GEARHEAD
K7G10BX

GEARHEAD
K7G□B(C)



KEY SPEC

- KEY
- KEY GROOVE



DIMENSION TABLE

| PART No. | L | Application Model | Mounting BOLT |
|----------|----|-------------------|---------------|
| 01 | 32 | K7G3~18B(C) | M5 P0.8 X 50 |
| 02 | 42 | K7G20~200B(C) | M5 P0.8 X 65 |
| 03 | 30 | K7G10BX | M5 P0.8 X 90 |

WEIGHT

| PART | WEIGHT(kg) | |
|-------------------|---------------|------|
| MOTOR | 1.16 | |
| DECIMAL GEAR HEAD | 0.32 | |
| GEAR HEAD | K7G3~18B(C) | 0.38 |
| | K7G20~40B(C) | 0.46 |
| | K7G50~200B(C) | 0.51 |

K7RG15N□-SP + K7G□B(C)

