

INDUCTION MOTOR

15W

□70mm

LEAD WIRE TYPE
TERMINAL BOX TYPE

K7IS15N□



K7IS15N□-T



SPECIFICATIONS

15W continuous rating, four poles

| Model | Voltage (V) | Frequency (Hz) | Current (A) | Start T. (N*m/ Kgf*cm) | Rated T. (N*m/ Kgf*cm) | Speed (rpm) | Condenser (μF) |
|--------------|-------------|----------------|-------------|------------------------------|------------------------------|-------------|----------------|
| K7I□15NJ(-T) | 100 | 50 | 0,45 | 0,08/0,8 | 0,12/1,2 | 1250 | 5 |
| | | 60 | 0,41 | | 0,1/1 | 1500 | |
| K7I□15NU(-T) | 110 | 60 | 0,38 | 0,08/0,8 | 0,1/1 | 1500 | 4,5 |
| | 115 | | 0,39 | | | | |
| K7I□15NL(-T) | 200 | 50 | 0,21 | 0,09/0,9 | 0,122/1,22 | 1200 | 1,5 |
| | | 60 | 0,22 | 0,095/0,95 | 0,1/1 | 1500 | |
| K7I□15NC(-T) | 220 | 50 | 0,2 | 0,075/0,75 | 0,12/1,2 | 1250 | 1 |
| | | 60 | 0,19 | | 0,1/1 | 1500 | |
| | 230 | 50 | 0,21 | 0,08/0,8 | 0,12/1,2 | 1250 | |
| | | 60 | 0,2 | | 0,1/1 | 1500 | |
| K7I□15ND(-T) | 240 | 50 | 0,23 | 0,085/0,85 | 0,12/1,2 | 1250 | 1 |

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

RATED TORQUE OF GEARHEAD

● 50Hz

Models highlighted in Red are stocked at Gapp Automation

unit = above : N · m / below : kgfcm

| Model Motor/ Gearhead | Speed(rpm) Ratio | 500 | 416 | 300 | 250 | 200 | 166 | 150 | 120 | 100 | 83 | 75 | 60 | 50 | 41 | 37 | 30 | 25 | 20 | 16 | 15 | 12,5 | 10 | 8,3 | 7,5 |
|-----------------------------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|----|------|-----|-----|-----|
| | | | | 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 |
| K7I□15N□(-T) K7G□B(C) | 0,29 | 0,35 | 0,49 | 0,58 | 0,73 | 0,87 | 0,97 | 1,22 | 1,46 | 1,75 | 1,75 | 2,19 | 2,62 | 3,15 | 3,50 | 3,94 | 4,72 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 2,9 | 3,5 | 4,9 | 5,8 | 7,3 | 8,7 | 9,7 | 12,2 | 14,6 | 17,5 | 17,5 | 21,9 | 26,2 | 31,5 | 35,0 | 39,4 | 47,2 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |

● 60Hz

unit = above : N · m / below : kgfcm

| Model Motor/ Gearhead | Speed(rpm) Ratio | 600 | 500 | 360 | 300 | 240 | 200 | 180 | 144 | 120 | 100 | 90 | 72 | 60 | 50 | 45 | 36 | 30 | 24 | 20 | 18 | 15 | 12 | 10 | 9 |
|-----------------------------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|----|-----|-----|-----|
| | | | | 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 |
| K7I□15N□(-T) K7G□B(C) | 0,24 | 0,29 | 0,41 | 0,49 | 0,61 | 0,73 | 0,81 | 1,01 | 1,22 | 1,46 | 1,46 | 1,82 | 2,19 | 2,62 | 2,92 | 3,28 | 3,94 | 4,92 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 2,4 | 2,9 | 4,1 | 4,9 | 6,1 | 7,3 | 8,1 | 10,1 | 12,2 | 14,6 | 14,6 | 18,2 | 21,9 | 26,2 | 29,2 | 32,8 | 39,4 | 49,2 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |

Models highlighted in Red are stocked at Gapp Automation

* 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.

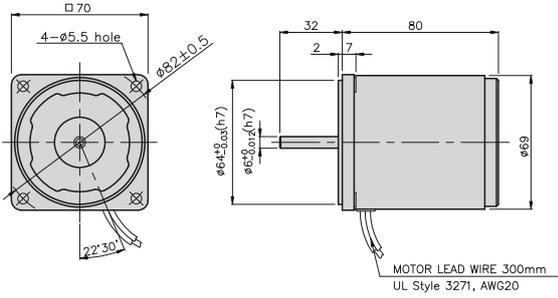
* If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth of the ratio, between the gearhead and the motor. In this case, the permissible torque is 5N · m/50kgfcm.

* 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.

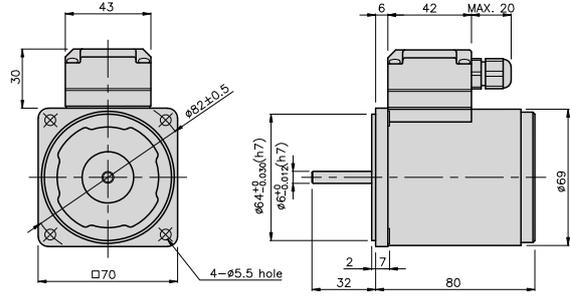
GEARHEADS

DIMENSIONS

K7IS15N □

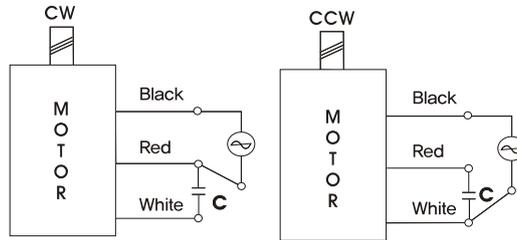


K7IS15N □-T



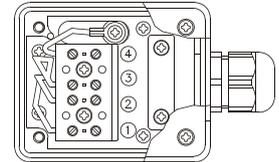
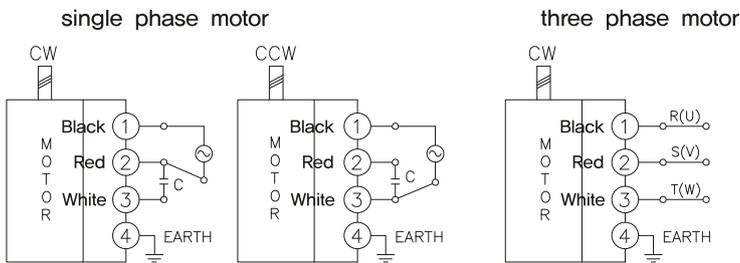
CONNECTION DIAGRAMS

K7IS15N □



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

K7IS15N □-T



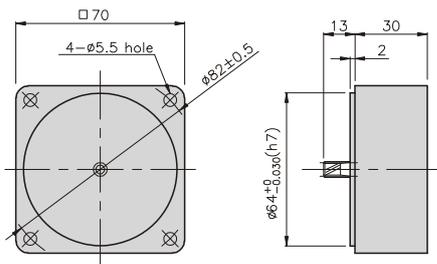
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DIMENSIONS

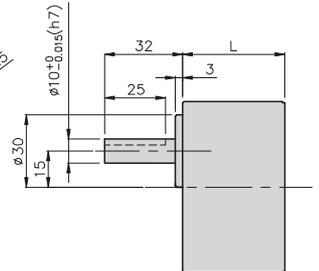
K7G □B(C)



DECIMAL GEARHEAD
K7G10BX

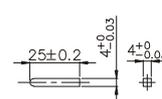


GEARHEAD
K7G □B(C)



• KEY

• KEY GROOVE



GEARHEADS

DIMENSIONS

K7IG15N□ + K7G□B(C)



K7IG15N□-T + K7G□B(C)



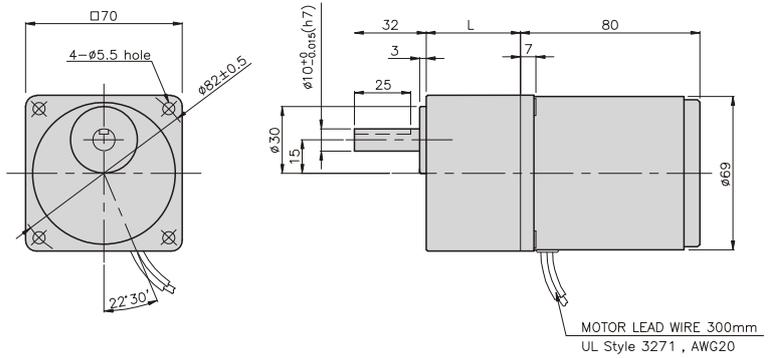
DIMENSION TABLE

| 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 | 1,07 | |
| DECIMAL GEAR HEAD | 0,32 | |
| GEAR HEAD | K7G3~18B(C) | 0,38 |
| | K7G20~40B(C) | 0,46 |
| | K7G60~200B(C) | 0,51 |

K7IG15N□ + K7G□B(C)



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 | 1,10 | |
| DECIMAL GEAR HEAD | 0,32 | |
| GEAR HEAD | K7G3~18B(C) | 0,38 |
| | K7G20~40B(C) | 0,46 |
| | K7G60~200B(C) | 0,51 |

K7IG15N□-T + K7G□B(C)

