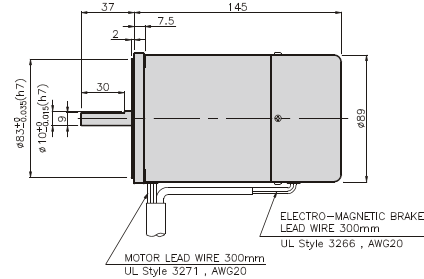
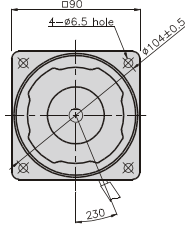


BRAKE MOTOR

40W

□90mm

K9□S40N□-B



SPECIFICATIONS

40W single-phase : 30 minutes rating, three-phase : continuous rating, four poles

| Model | Duty | Voltage (V) | Frequency (Hz) | Current (A) | Start T. (N*m / Kgf*cm) | Rated T. (N*m / Kgf*cm) | Speed (rpm) | Condenser (μF) | Friction T. (N*m / (Kgf*cm)) | |
|--|--------------|--|----------------|-------------|-------------------------|-------------------------|-------------|----------------|------------------------------|----------|
| K9R□40NJ-B K9R□40NU-B K9R□40NL-B K9R□40NC-B K9R□40ND-B | single-phase | 30 minutes | 100 | 50 | 1 | 0,3/3 | 0,315/3,15 | 1250 | 16 | 1/10 |
| | | | | 60 | 1,13 | 0,33/3,3 | 0,255/2,55 | 1550 | | |
| | | | 110 | 60 | 0,8 | 0,26/2,6 | 1500 | 10 | | |
| | | | | | 1,15 | | | | 0,22/2,2 | |
| | | | 200 | 50 | 0,45 | 0,3/3 | 0,315/3,15 | 1250 | 4 | |
| | | | | | 0,57 | | | | | |
| | | 220 | 50 | 0,46 | 0,3/3 | 0,315/3,15 | 1250 | 3,5 | | |
| | | | | 0,55 | | | | | 0,32/3,2 | 0,26/2,6 |
| | | 230 | 50 | 0,55 | 0,4/4 | 0,315/3,15 | 1250 | 3 | | |
| | | | | 0,58 | | | | | 0,36/3,6 | 0,26/2,6 |
| | | 240 | 50 | 0,41 | 0,34/3,4 | 0,3/3 | 1300 | 3 | 1/10 | |
| | | K9I□40NT-B K9I□40NH-B K9I□40NM-B K9I□40NV-B K9I□40NQ-B K9I□40NZ-B | three-phase | continuous | 200 | 50 | 0,39 | 1/10 | 0,3/3 | 1300 |
| 60 | 0,32 | | | | | 0,78/7,8 | 0,245/2,45 | 1600 | | |
| 220 | 50 | | | | 0,33 | 0,95/9,5 | 0,29/2,9 | 1350 | - | |
| | | | | | 0,31 | | | | | 0,78/7,8 |
| 230 | 50 | | | | 0,41 | 1/10 | 0,29/2,9 | 1350 | - | |
| | | | | | 0,32 | | | | | 0,83/8,3 |
| 380 | 50 | | | | 0,18 | 1/10 | 0,29/2,9 | 1350 | - | |
| | | | | | 0,18 | | | | | 0,78/7,8 |
| 400 | 50 | | | | 0,18 | 1,15/11,5 | 0,29/2,9 | 1350 | - | |
| | | | | | 0,19 | | | | | 0,88/8,8 |
| 415 | 50 | | | | 0,16 | 0,95/9,5 | 0,29/2,9 | 1350 | - | |
| | | | | | 0,14 | | | | | 0,72/7,2 |
| 440 | 50 | 0,19 | 1/10 | 0,29/2,9 | 1350 | - | | | | |
| | | 0,16 | | | | | 0,79/7,9 | 0,245/2,45 | 1600 | |

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

RATED TORQUE OF GEARHEAD

● 50Hz

unit = above : N · m / below : kgfcm

| Model Motor/ Gearhead | Speed(rpm) | 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 |
|-----------------------------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|
| | 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 |
| K9□G40N□-B K9G□B(C) | 0,70 | 0,85 | 1,17 | 1,41 | 1,76 | 2,11 | 2,35 | 2,94 | 3,52 | 4,23 | 4,23 | 5,29 | 6,34 | 7,61 | 8,46 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | 7,0 | 8,5 | 11,7 | 14,1 | 17,6 | 21,1 | 23,5 | 29,4 | 35,2 | 42,3 | 42,3 | 52,9 | 63,4 | 76,1 | 84,6 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

● 60Hz

unit = above : N · m / below : kgfcm

| Model Motor/ Gearhead | Speed(rpm) | 600 | 500 | 360 | 300 | 240 | 200 | 180 | 144 | 120 | 100 | 90 | 72 | 60 | 50 | 45 | 36 | 30 | 24 | 20 | 18 | 15 | 12 | 10 | 9 |
|-----------------------------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 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 |
| K9□G40N□-B K9G□B(C) | 0,60 | 0,71 | 0,99 | 1,19 | 1,49 | 1,79 | 1,98 | 2,48 | 2,98 | 3,57 | 3,57 | 4,47 | 5,36 | 6,43 | 7,14 | 8,04 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | 6,0 | 7,1 | 9,9 | 11,9 | 14,9 | 17,9 | 19,8 | 24,8 | 29,8 | 35,7 | 35,7 | 44,7 | 53,6 | 64,3 | 71,4 | 80,4 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

* 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.

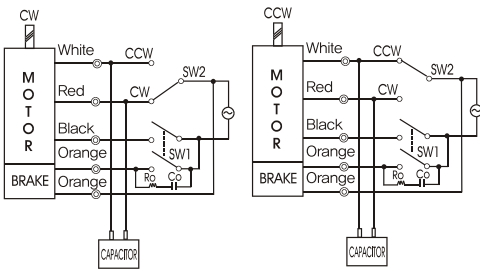
* If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth of the ratio, between the gearhead and the motor. In this case, the permissible torque is 10N · m/100kgfcm.

* 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.

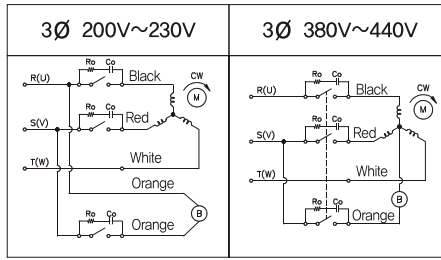
GEARHEADS

CONNECTION DIAGRAMS

single phase motor



three phase motor



connecting two leadwires of U,V,W in turns

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

Connect Cr circuit for absorbing serge voltage as connection diagram to protect contact point.
 $R_o = 5 - 200\Omega$
 $C_o = 0,1 \sim 0,2\mu F$ 200WV(400WV)

DIMENSIONS

K9G□B(C)

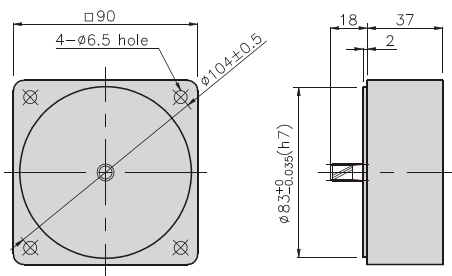


K9□G40N□-B + K9G□B(C)



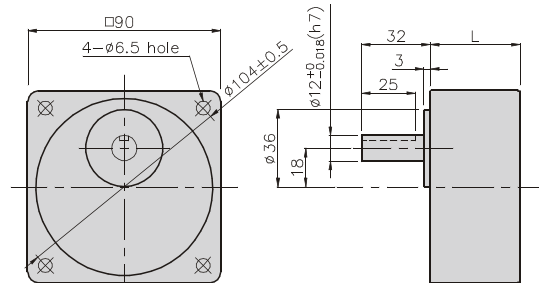
DECIMAL GEARHEAD

K9G10BX



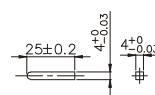
GEARHEAD

K9G□B(C)



• KEY

• KEY GROOVE



DIMENSION TABLE

| PART No. | L | Application Model | Mounting BOLT |
|----------|----|-------------------|---------------|
| 01 | 42 | K9G3~18B(C) | M6 P1,0 X 65 |
| 02 | 60 | K9G20~200B(C) | M6 P1,0 X 80 |
| 03 | 37 | K9G10BX | M6 P1,0 X 120 |

WEIGHT

| PART | WEIGHT(kg) | |
|-------------------|---------------|------|
| MOTOR | 2,86 | |
| DECIMAL GEAR HEAD | 0,60 | |
| GEAR HEAD | K9G3~18B(C) | 0,78 |
| | K9G20~40B(C) | 1,04 |
| | K9G50~200B(C) | 1,14 |

K9□G40N□-B + K9G□B(C)

