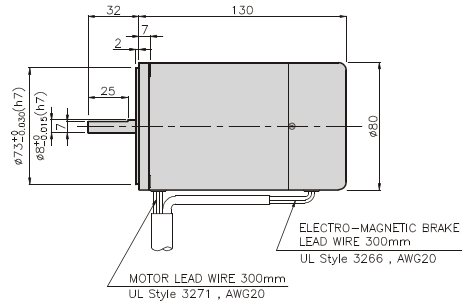
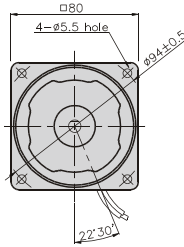


## BRAKE MOTOR

### 25W

### □80mm

K8□S25N□-B



### SPECIFICATIONS

25W 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) |
|------------|----------------------------|---------------------------|----------------|-------------|-------------------------|-------------------------|-------------|----------------|----------------------------|
| K8R□25NJ-B | single-phase<br>30 minutes | 100                       | 50             | 0,65        | 0,15/1,5                | 0,195/1,95              | 1250        | 10             | 0,4/4                      |
|            |                            |                           | 60             | 0,74        |                         | 0,165/1,65              | 1500        |                |                            |
| K8R□25NU-B |                            | 110                       | 60             | 0,51        | 0,13/1,3                | 0,165/1,65              | 1500        | 6              | 0,4/4                      |
|            |                            |                           |                | 115         |                         |                         |             |                |                            |
| K8R□25NL-B |                            | 200                       | 50             | 0,33        | 0,16/1,6                | 0,195/1,95              | 1250        | 2,5            | 0,4/4                      |
|            |                            |                           |                | 60          |                         |                         | 0,37        |                |                            |
| K8R□25NC-B |                            | 220                       | 50             | 0,29        | 0,15/1,5                | 0,195/1,95              | 1250        | 2              | 0,4/4                      |
|            |                            |                           |                | 60          |                         |                         | 0,34        |                |                            |
| K8R□25ND-B |                            | 230                       | 50             | 0,35        | 0,165/1,65              | 0,195/1,95              | 1250        | 2              | 0,4/4                      |
|            |                            |                           |                | 60          |                         |                         | 0,34        |                |                            |
| K8R□25ND-B |                            | 240                       | 50             | 0,32        | 0,15/1,5                | 0,19/1,9                | 1300        | 1,5            | 0,4/4                      |
| K8I□25NT-B |                            | three-phase<br>continuous | 200            | 50          | 0,27                    | 0,5/5                   | 0,19/1,9    | 1300           | -                          |
|            | 60                         |                           |                | 0,24        | 0,4/4                   | 0,16/1,6                | 1550        |                |                            |
| K8I□25NH-B | 220                        |                           | 50             | 0,28        | 0,6/6                   | 0,185/1,85              | 1350        | -              | 0,4/4                      |
|            |                            |                           |                | 60          | 0,24                    | 0,48/4,8                | 0,155/1,55  |                |                            |
| K8I□25NI-B | 230                        |                           | 50             | 0,29        | 0,65/6,5                | 0,185/1,85              | 1350        | -              | 0,4/4                      |
|            |                            |                           |                | 60          | 0,25                    | 0,52/5,2                | 0,155/1,55  |                |                            |
| K8I□25NM-B | 380                        |                           | 50             | 0,17        | 0,6/6                   | 0,19/1,9                | 1300        | -              | 0,4/4                      |
|            |                            |                           |                | 60          | 0,14                    | 0,48/4,8                | 0,155/1,55  |                |                            |
| K8I□25NV-B | 400                        |                           | 50             | 0,17        | 0,73/7,3                | 0,19/1,9                | 1300        | -              | 0,4/4                      |
|            |                            |                           |                | 60          | 0,15                    | 0,6/6                   | 0,155/1,55  |                |                            |
| K8I□25NQ-B | 415                        |                           | 50             | 0,13        | 0,55/5,5                | 0,19/1,9                | 1300        | -              | 0,4/4                      |
|            |                            |                           |                | 60          | 0,11                    | 0,4/4                   | 0,155/1,55  |                |                            |
| K8I□25NZ-B | 440                        | 50                        | 0,14           | 0,63/6,3    | 0,19/1,9                | 1300                    | -           | 0,4/4          |                            |
|            |                            |                           | 60             | 0,12        | 0,5/5                   | 0,155/1,55              |             |                | 1600                       |

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

### RATED TORQUE OF GEARHEAD

#### ● 50Hz

unit = above : N · m / below : kgfcm

| Model                  | Speed(rpm) | 500  | 46   | 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 | 6   |
|------------------------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|-----|------|-----|-----|-----|-----|
| Motor/<br>Gearhead     | 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 | 250 |
| K8□G25N□-B<br>K8G□B(C) | 0,45       | 0,54 | 0,75 | 0,90 | 1,12 | 1,35 | 1,50 | 1,87 | 2,25 | 2,70 | 2,70 | 3,37 | 4,05 | 4,86 | 5,39 | 6,07 | 7,28 | 8  | 8  | 8  | 8   | 8    | 8   | 8   | 8   | 8   |
|                        | 4,5        | 5,4  | 7,5  | 9,0  | 11,2 | 13,5 | 15,0 | 18,7 | 22,5 | 27,0 | 27,0 | 33,7 | 40,5 | 48,6 | 53,9 | 60,7 | 72,8 | 80 | 80 | 80 | 80  | 80   | 80  | 80  | 80  | 80  |

#### ● 60Hz

unit = above : N · m / below : kgfcm

| Model                  | 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   | 7,2 |
|------------------------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|-----|-----|-----|-----|-----|-----|
| Motor/<br>Gearhead     | 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 | 250 |
| K8□G25N□-B<br>K8G□B(C) | 0,38       | 0,45 | 0,63 | 0,75 | 0,94 | 1,13 | 1,26 | 1,57 | 1,88 | 2,26 | 2,26 | 2,82 | 3,39 | 4,07 | 4,52 | 5,08 | 6,10 | 7,63 | 8  | 8  | 8   | 8   | 8   | 8   | 8   | 8   |
|                        | 3,8        | 4,5  | 6,3  | 7,5  | 9,4  | 11,3 | 12,6 | 15,7 | 18,8 | 22,6 | 22,6 | 28,2 | 33,9 | 40,7 | 45,2 | 50,8 | 61,0 | 76,3 | 80 | 80 | 80  | 80  | 80  | 80  | 80  | 80  |

\* 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.

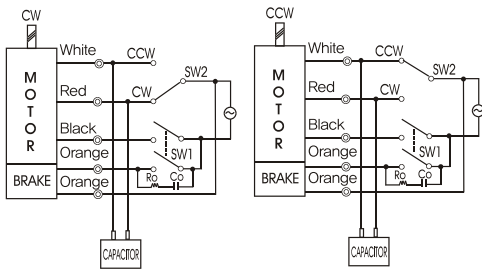
\* If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth of the ratio, between the gearhead and the motor. In this case, the permissible torque is 8N · m/80kgfcm. But, if you install 1/25~1/40 gearhead, the permissible torque is 6N · m/60kgfcm.

\* 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.

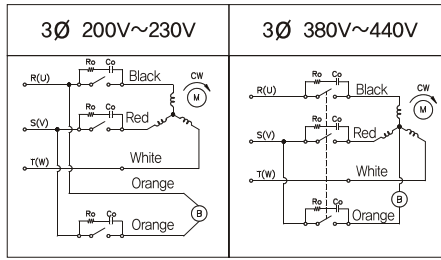
## GEARHEADS

### 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

K8G□B(C)

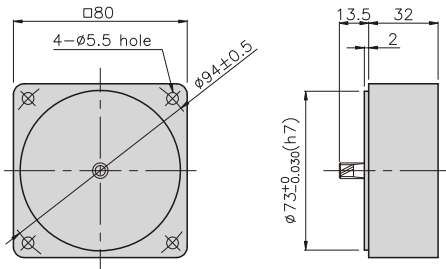


K8□G25N□-B + K8G□B(C)



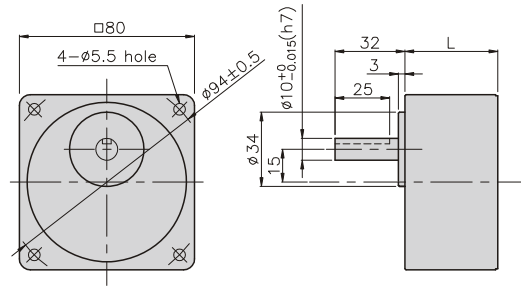
DECIMAL GEARHEAD

K8G10BX



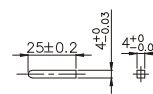
GEARHEAD

K8G□B(C)



• KEY

• KEY GROOVE



#### DIMENSION TABLE

| PART No | L    | Application Model | Mounting BOLT |
|---------|------|-------------------|---------------|
| 01      | 32   | K8G3~18B(C)       | M4 P0,8 X 50  |
| 02      | 42,5 | K8G20~250B(C)     | M4 P0,8 X 65  |
| 03      | 32   | K8G10BX           | M4 P0,8 X 95  |

#### WEIGHT

| PART              | WEIGHT(kg)    |      |
|-------------------|---------------|------|
| MOTOR             | 1,84          |      |
| DECIMAL GEAR HEAD | 0,46          |      |
| GEAR HEAD         | K8G3~18B(C)   | 0,51 |
|                   | K8G20~40B(C)  | 0,64 |
|                   | K8G50~250B(C) | 0,70 |

K8□G25N□-B + K8G□B(C)

