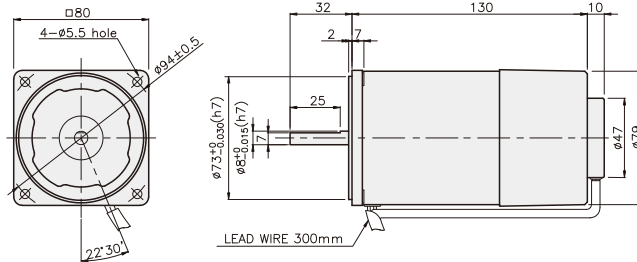


## SPEED CONTROL & BRAKE MOTOR

### 25W

### □80mm

K8RS25N□-D



## SPECIFICATIONS

25W 30분 정격, 4극

| Model      | Voltage (V) | Frequency (Hz) | Speed Range (rpm) | Permissible Torque    |                     | Start T. (N·m/kgf·cm) | Current (A) | Condenser (μF) | Friction T. (N·m/kgf·cm) |
|------------|-------------|----------------|-------------------|-----------------------|---------------------|-----------------------|-------------|----------------|--------------------------|
|            |             |                |                   | 1200 rpm (N·m/kgf·cm) | 90 rpm (N·m/kgf·cm) |                       |             |                |                          |
| K8R□25NJ-D | 100         | 50             | 90 ~ 1400         | 0.22/2.2              | 0.06/0.6            | 0.105/1.05            | 0.85        | 10             | 0.4/4                    |
|            |             |                | 90 ~ 1700         |                       |                     |                       |             |                |                          |
| K8R□25NU-D | 110         | 60             | 90 ~ 1700         | 0.22/2.2              | 0.06/0.6            | 0.1/1                 | 0.7         | 6              | 0.4/4                    |
|            |             |                | 115               |                       |                     |                       |             |                |                          |
| K8R□25NL-D | 200         | 50             | 90 ~ 1400         | 0.21/2.1              | 0.055/0.55          | 0.11/1.1              | 0.4         | 2.5            | 0.4/4                    |
|            |             |                | 90 ~ 1700         |                       |                     |                       |             |                |                          |
| K8R□25NC-D | 220         | 50             | 90 ~ 1400         | 0.21/2.1              | 0.055/0.55          | 0.09/0.9              | 0.4         | 2              | 0.4/4                    |
|            |             |                | 90 ~ 1700         |                       |                     |                       |             |                |                          |
|            |             | 60             | 90 ~ 1400         | 0.21/2.1              | 0.055/0.55          |                       |             |                |                          |
|            |             |                | 90 ~ 1700         |                       |                     |                       |             |                |                          |
| 230        | 90 ~ 1400   | 0.21/2.1       | 0.055/0.55        |                       |                     |                       |             |                |                          |
|            | 90 ~ 1700   |                |                   |                       |                     |                       |             |                |                          |
| K8R□25ND-D | 240         | 50             | 90 ~ 1400         | 0.21/2.1              | 0.055/0.55          | 0.09/0.9              | 0.43        | 1.5            | 0.4/4                    |

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

## RATED TORQUE OF GEARHEAD

### ● 단상 100V/115V

단위 = 상단 : N·m / 하단 : 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     | 250     |
| K8R□25N□-D<br>K8G□B(C) | 1200  | 0.53<br>5.3 | 0.64<br>6.4 | 0.89<br>8.9 | 1.07<br>10.7 | 1.34<br>13.4 | 1.60<br>16.0 | 1.78<br>17.8 | 2.23<br>22.3 | 2.67<br>26.7 | 3.21<br>32.1 | 3.21<br>32.1 | 4.01<br>40.1 | 4.81<br>48.1 | 5.77<br>57.7 | 6.42<br>64.2 | 7.22<br>72.2 | 8<br>80      | 8<br>80      | 8<br>80      | 8<br>80      | 8<br>80      | 8<br>80      | 8<br>80      | 8<br>80 | 8<br>80 |
|                        | 90    | 0.15<br>1.5 | 0.17<br>1.7 | 0.24<br>2.4 | 0.29<br>2.9  | 0.36<br>3.6  | 0.44<br>4.4  | 0.49<br>4.9  | 0.61<br>6.1  | 0.73<br>7.3  | 0.87<br>8.7  | 0.87<br>8.7  | 1.09<br>10.9 | 1.31<br>13.1 | 1.57<br>15.7 | 1.75<br>17.5 | 1.97<br>19.7 | 2.36<br>23.6 | 2.95<br>29.5 | 3.54<br>35.4 | 3.94<br>39.4 | 4.72<br>47.2 | 5.90<br>59.0 | 7.09<br>70.9 | 8<br>80 | 8<br>80 |

### ● 단상 200V/240V

단위 = 상단 : N·m / 하단 : kgf·cm

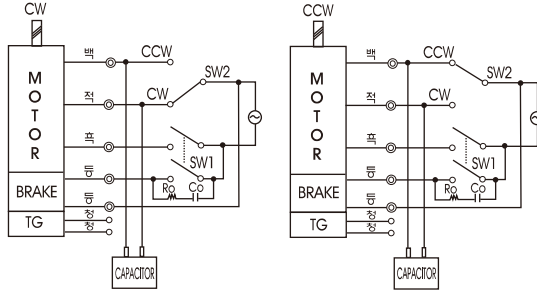
| Model                  | Ratio | Speed(rpm)               |             |             |             |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
|------------------------|-------|--------------------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                        |       | 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          | 250          |              |
| K8R□25N□-D<br>K8G□B(C) | 1200  | 200V/220V/230V/240V/50Hz | 0.51<br>5.1 | 0.61<br>6.1 | 0.85<br>8.5 | 1.02<br>10.2 | 1.28<br>12.8 | 1.53<br>15.3 | 1.70<br>17.0 | 2.13<br>21.3 | 2.55<br>25.5 | 3.06<br>30.6 | 3.06<br>30.6 | 3.83<br>38.3 | 4.59<br>45.9 | 5.51<br>55.1 | 6.12<br>61.2 | 6.89<br>68.9 | 8<br>80      | 8<br>80      | 8<br>80      | 8<br>80      | 8<br>80      | 8<br>80      | 8<br>80      | 8<br>80      | 8<br>80      |
|                        |       | 200V/220V/230V/60Hz      | 0.39<br>3.9 | 0.47<br>4.7 | 0.65<br>6.5 | 0.78<br>7.8  | 0.97<br>9.7  | 1.17<br>11.7 | 1.30<br>13.0 | 1.62<br>16.2 | 1.94<br>19.4 | 2.33<br>23.3 | 2.33<br>23.3 | 2.92<br>29.2 | 3.50<br>35.0 | 4.20<br>42.0 | 4.67<br>46.7 | 5.25<br>52.5 | 6.30<br>63.0 | 7.87<br>78.7 | 8<br>80      | 8<br>80      | 8<br>80      | 8<br>80      | 8<br>80      | 8<br>80      | 8<br>80      |
|                        | 90    | 200V/220V/230V/240V/50Hz | 0.13<br>1.3 | 0.16<br>1.6 | 0.22<br>2.2 | 0.27<br>2.7  | 0.33<br>3.3  | 0.40<br>4.0  | 0.45<br>4.5  | 0.56<br>5.6  | 0.67<br>6.7  | 0.80<br>8.0  | 0.80<br>8.0  | 1.00<br>10.0 | 1.20<br>12.0 | 1.44<br>14.4 | 1.60<br>16.0 | 1.80<br>18.0 | 2.17<br>21.7 | 2.71<br>27.1 | 3.25<br>32.5 | 3.61<br>36.1 | 4.33<br>43.3 | 5.41<br>54.1 | 6.50<br>65.0 | 7.22<br>72.2 | 8<br>80      |
|                        |       | 200V/220V/230V/60Hz      | 0.12<br>1.2 | 0.14<br>1.4 | 0.19<br>1.9 | 0.23<br>2.3  | 0.29<br>2.9  | 0.35<br>3.5  | 0.39<br>3.9  | 0.49<br>4.9  | 0.58<br>5.8  | 0.70<br>7.0  | 0.70<br>7.0  | 0.87<br>8.7  | 1.05<br>10.5 | 1.26<br>12.6 | 1.40<br>14.0 | 1.57<br>15.7 | 1.89<br>18.9 | 2.36<br>23.6 | 2.83<br>28.3 | 3.15<br>31.5 | 3.78<br>37.8 | 4.72<br>47.2 | 5.67<br>56.7 | 6.30<br>63.0 | 7.87<br>78.7 |

- \* GEARHEAD-DECIMAL GEARHEAD는 별매입니다.
- \* GEARHEAD의 품명중 □에는 감속비가 들어갑니다.
- \* ■ 색이 MOTOR와 같은 방향, 그 외에는 반대 방향입니다.
- \* 표의 감속비보다 더 감속하고자 할 경우는 GEARHEAD와 MOTOR 사이에 감속비 10의 DECIMAL GEARHEAD를 설치할 수 있습니다. 이 경우의 허용 TORQUE는 8 N·m / 80 kgf·cm 입니다.
- \* 회전수는 MOTOR의 동기 회전수 (50 Hz : 1500 rpm, 60 Hz : 1800 rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다. 실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다.

## GEARHEAD

### CONNECTION DIAGRAMS

접점 보호를 위해 결선도와 같이 서지(Surge) 전압 흡수용 Cr회로를 접속하여 주십시오.  
 $R_o = 5 - 200\Omega$   
 $C_o = 0.1 \sim 0.2\mu F \ 200WV(400WV)$



※ 회전방향은 출력축에서 볼경우

### DIMENSIONS

K8G□B(C)

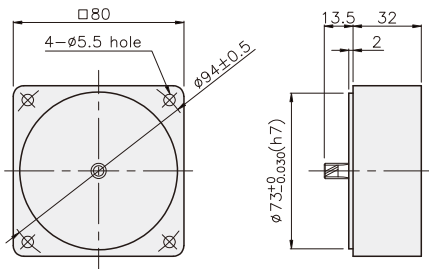


K8RG25N□-D + K8G□B(C)



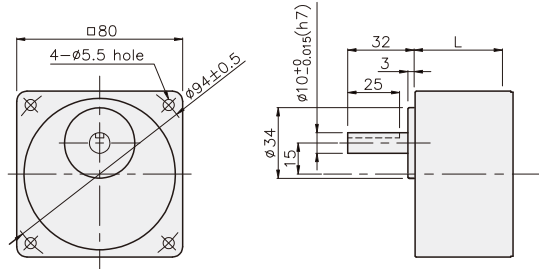
DECIMAL GEARHEAD

K8G10BX



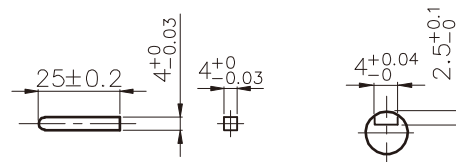
GEARHEAD

K8G□B(C)



### KEY SPEC

- KEY
- KEY GROOVE



### 치수도표

| 품번 | L    | 적용기종          | 취부 BOLT      |
|----|------|---------------|--------------|
| 01 | 32   | K8G3~18B(C)   | M5 P0.8 X 50 |
| 02 | 42.5 | K8G20~250B(C) | M5 P0.8 X 65 |
| 03 | 32   | K8G10BX       | M5 P0.8 X 95 |

### 무게

| PART             | WEIGHT(kg)    |      |
|------------------|---------------|------|
| MOTOR            | 1.94          |      |
| DECIMAL GEARHEAD | 0.46          |      |
| GEAR HEAD        | K8G3~18B(C)   | 0.51 |
|                  | K8G20~40B(C)  | 0.64 |
|                  | K8G50~250B(C) | 0.70 |

K8RG25N□-D + K8G□B(C)

