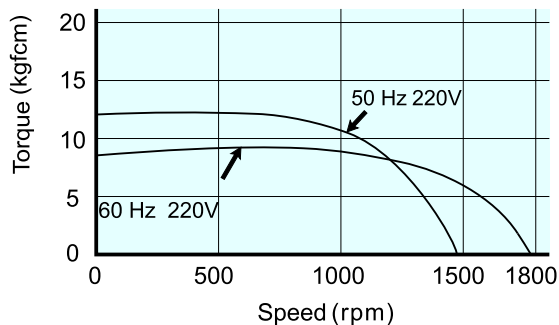
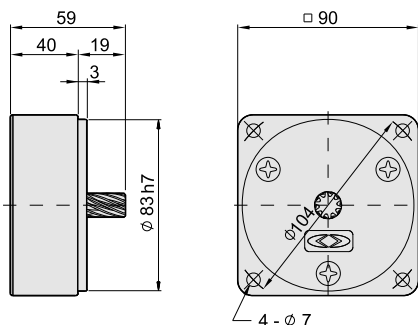


Decimal Gear Head

G-5U10X-K

Speed - Torque Curve

M-5RK60_N-SFS

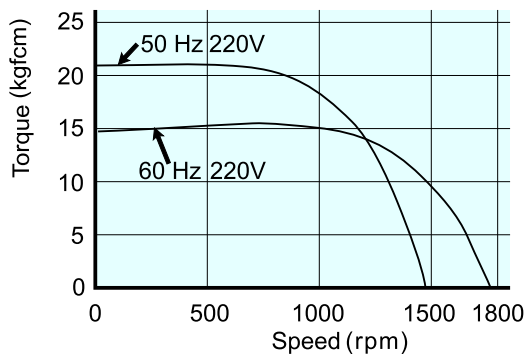
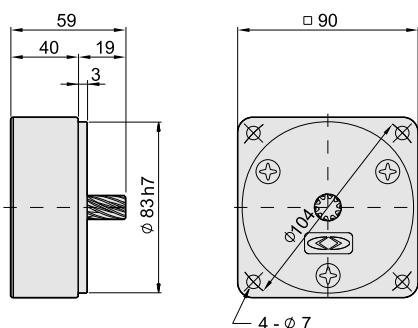


Decimal Gear Head

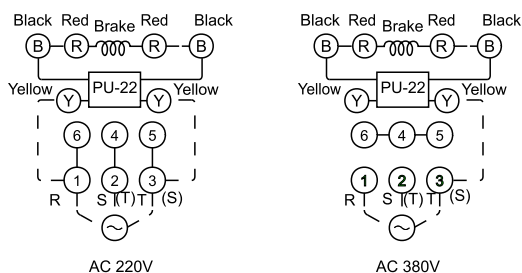
G-5U10X-K

Speed - Torque Curve

M-5RK90U-SFS



■ Wiring Diagram



■ Gearhead - Max. Permissible Torque

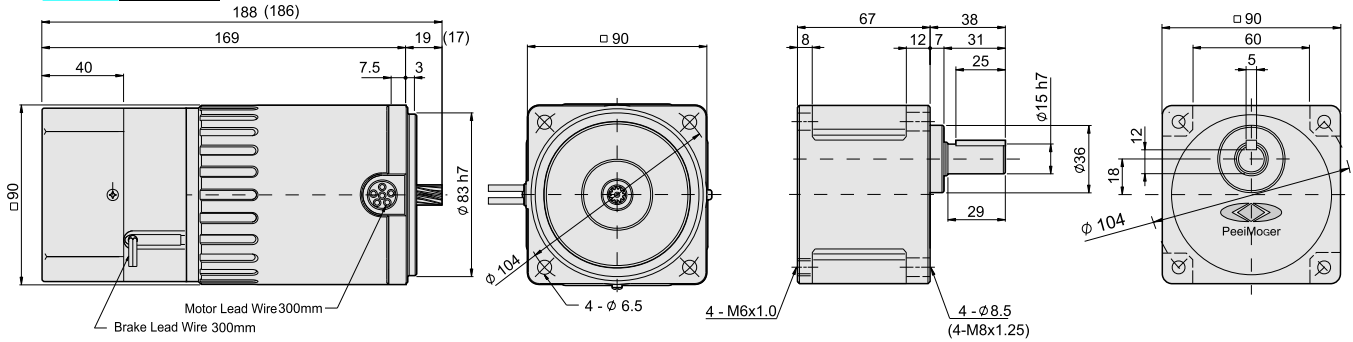
Dark area: the rotating direction of motor shaft rotates in the same direction as the shaft of gearhead.
 Shallow area the rotating direction of motor shaft is opposite to the direction of the shaft of gearhead.

| Model | Speed (rpm) | With Decimal Gearhead | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|-------------------------------|-----------------------|-----|-----|-----|-----|------|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | | 500 | 300 | 200 | 180 | 150 | 120 | 100 | 90 | 75 | 60 | 50 | 30 | 20 | 15 | 10 | 9 | 7.5 | 6 | 5 | 3 | 2 | 1.5 | 1 |
| | 50Hz | 3 | 5 | 7.5 | - | 10 | 12.5 | 15 | - | 20 | 25 | 30 | 50 | 75 | 100 | 150 | - | 200 | 250 | 300 | 500 | 750 | 1000 | 1500 |
| | 60Hz | 3.6 | 6 | 9 | 10 | - | 15 | 18 | 20 | - | 30 | 36 | 60 | 90 | 120 | 180 | 200 | 300 | 360 | 600 | 900 | 1200 | 1800 | |
| G-5N□-K L | Max. Allowable Torque (kgfcm) | 6.7 | 11 | 16 | 18 | 23 | 28 | 33 | 36 | 45 | 54 | 65 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | |
| G-5U□-K G-5U□-KH | Max. Allowable Torque (kgfcm) | 10 | 16 | 24 | 27 | 32 | 40 | 48 | 54 | 64 | 77 | 93 | 155 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | |
| G-5U□-K | Max. Allowable Torque (kgfcm) | 14 | 23 | 35 | 38 | 46 | 58 | 69 | 77 | 92 | 111 | 133 | 216 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | |
| G-5U□-KH | Max. Allowable Torque (kgfcm) | - | - | - | - | - | - | - | - | - | - | - | 216 | 300 | 300 | 300 | 300 | 300 | - | - | 300 | 300 | 300 | |

Three Phase Electro-magnetic Brake Motor

Frame **5** Motor
M-5RK60_N-□S
Output **60W**

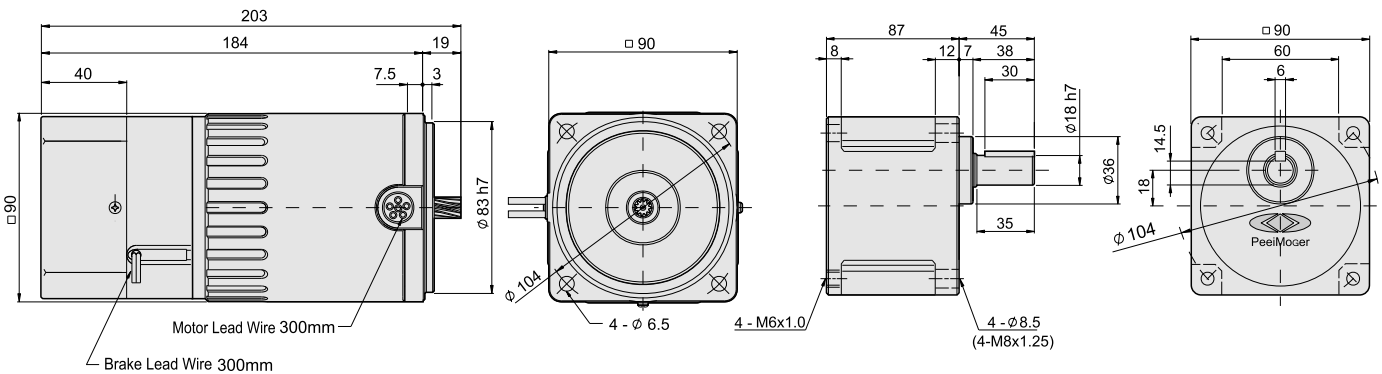
Gear Head
G-5U□-K



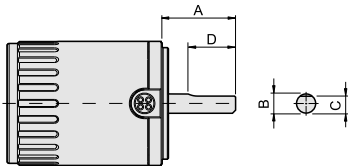
● () The dimension of Parenthesis is N model gear shaft and the dimension of applied Gearhead ,as G-5N□-K/L

Frame **5** Motor
M-5RK90U-□S
Output **90W**

Gear Head
G-5U□-KH (Developing)

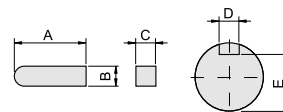


Dimensions - Motor, Round Shaft



| Model | A | B | C | D |
|-------------|----|--------|----------------------------------|----|
| M-5RK60A-□S | 37 | φ12 h7 | 11 ⁰ _{-0.15} | 30 |
| M-5RK90A-□S | 37 | φ12 h7 | 11 ⁰ _{-0.15} | 30 |

Dimensions - Key & Keyway



| Model | A | B | C | D | E |
|----------|----|----------------------------------|----------------------------------|-----------------------------------|------------------------------------|
| G-5U□-K | 25 | 5 ⁰ _{-0.030} | 5 ⁰ _{-0.030} | 5 ^{+0.050} ₊₀ | 12 ⁰ _{-0.15} |
| G-5U□-KH | 30 | 6 ⁰ _{-0.030} | 6 ⁰ _{-0.030} | 6 ^{+0.050} ₊₀ | 14.5 ⁰ _{-0.15} |

Specifications - Motor

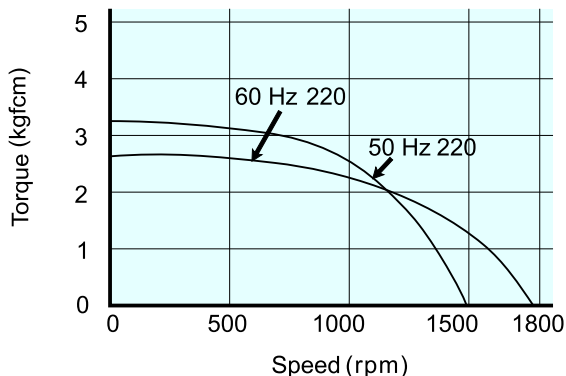
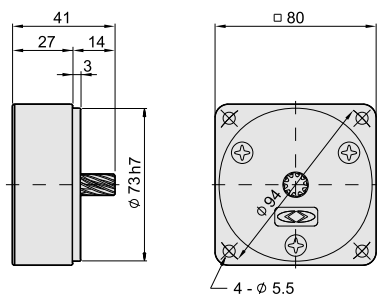
| Model | Poles | Output (W) | Voltage (V) | Frequency (Hz) | Duty | Rated Load | | | Starting Current (A) | Starting Torque (kgfcm) | Brake Input (W) | Brake Current (A) | Brake Torque (kgfcm) | Applied Gearhead Type | | |
|---------------------------|-------|------------|-------------|----------------|--------|-------------|---------------|----------------|----------------------|-------------------------|-----------------|-------------------|----------------------|-----------------------|--------------|------------------|
| | | | | | | Current (A) | Speed (r p m) | Torque (kgfcm) | | | | | | Metal Bearing | Ball Bearing | Decimal Gearhead |
| M-5RK60 _N -SFS | 4 | 60 | 220 | 50 | 30min. | 0.46 | 1400 | 4.2 | 1.5 | 1.2 | 7 | 0.07 | 4 | G-5N□-L | G-5N□-K | G-5N10X-K |
| | | | | | | 0.40 | 1675 | 3.5 | 1.4 | 8.6 | 7 | 0.07 | 4 | | | G-5U10X-K |
| M-5RK90U-SFS | 4 | 90 | 220 | 50 | 30min. | 0.65 | 1400 | 6.3 | 2.3 | 21 | 7 | 0.07 | 4 | - | G-5U□-K | G-5U10X-K |
| | | | | | | 0.56 | 1675 | 5.3 | 2.1 | 15 | 7 | 0.07 | 4 | | | G-5U□-KH |

Decimal Gear Head

G-4N10X-K

Speed - Torque Curve

M-4RK25N-SS

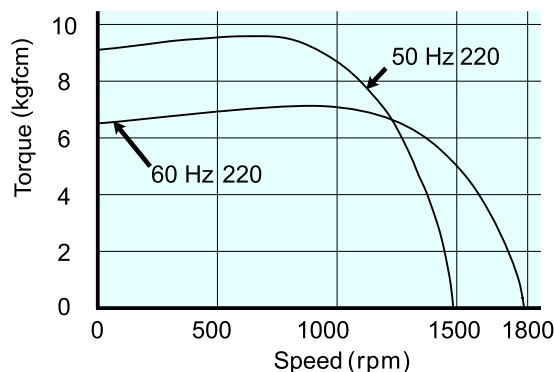
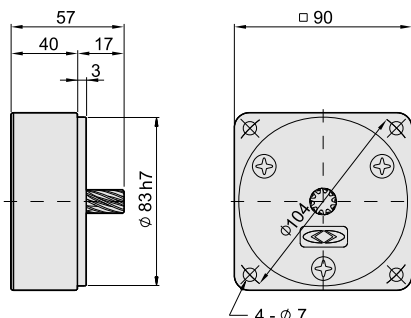


Decimal Gear Head

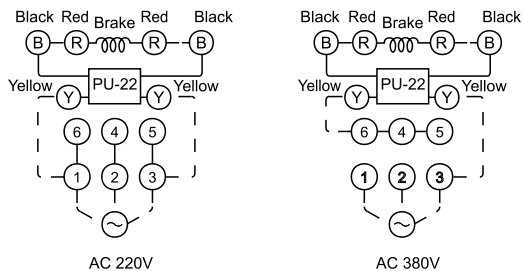
G-5N10X-K

Speed - Torque Curve

M-5RK40N-SS



Wiring Diagram



Gearhead - Max. Permissible Torque

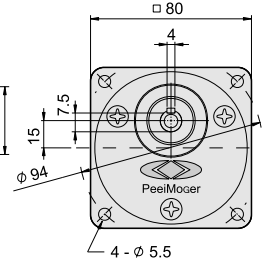
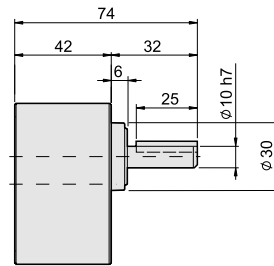
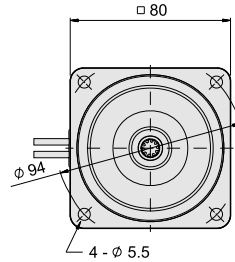
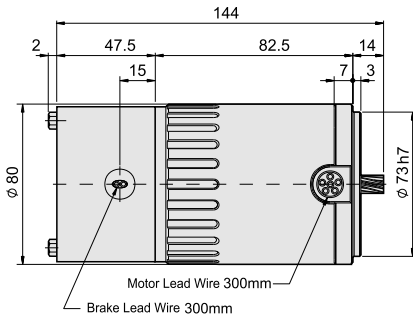
Dark area: the rotating direction of motor shaft rotates in the same direction as the shaft of gearhead.
 Shallow area the rotating direction of motor shaft is opposite to the direction of the shaft of gearhead.

| Model | Speed (rpm) Gear Ratio | With Decimal Gearhead | | | | | | | | | | | | | | | | | | | | | | |
|--------------|------------------------------|-----------------------|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | 500 | 300 | 200 | 180 | 150 | 120 | 100 | 90 | 75 | 60 | 50 | 30 | 20 | 15 | 10 | 9 | 7.5 | 6 | 5 | 3 | 2 | 1.5 | 1 |
| G-4N□-K L | Max.Allowable Torque (kgfcm) | 4.0 | 6.7 | 10 | 11 | 13 | 16 | 20 | 21 | 26 | 32 | 39 | 65 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| G-5N□-K L | Max.Allowable Torque (kgfcm) | 6.7 | 11 | 16 | 18 | 23 | 28 | 33 | 36 | 45 | 54 | 65 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

Three Phase Electro-magnetic Brake Motor

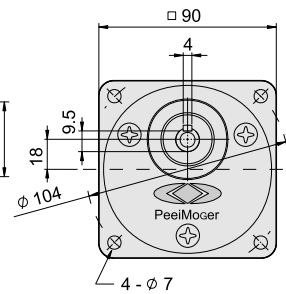
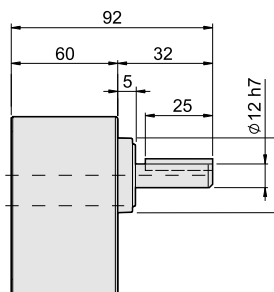
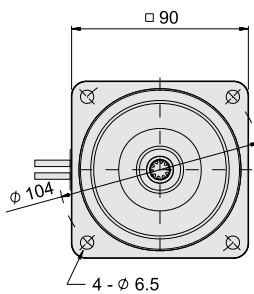
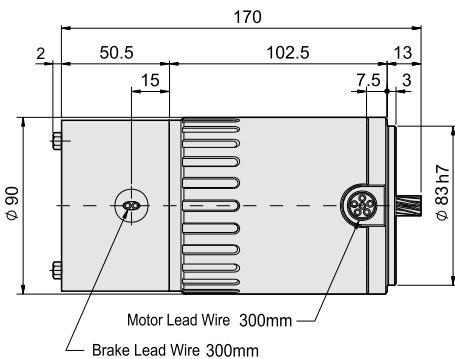
Frame **4**
Motor
 M-4RK25N-□ S
 Output **25W**

Gear Head
 G-4N□- $\begin{matrix} K \\ L \end{matrix}$

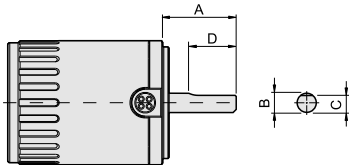


Frame **5**
Motor
 M-5RK40N-□ S
 Output **40W**

Gear Head
 G-5N□- $\begin{matrix} K \\ L \end{matrix}$

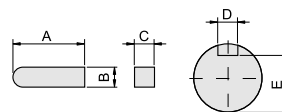


Dimensions - Motor, Round Shaft



| Model | A | B | C | D |
|--------------|----|--------|---------------------------------|----|
| M-4RK25A-□ S | 32 | φ8 h7 | 7 ^{+0.15} ₀ | 25 |
| M-5RK40A-□ S | 37 | φ10 h7 | 9 ^{+0.15} ₀ | 30 |

Dimensions - Key & Keyway



| Model | A | B | C | D | E |
|---|----|----------------------------------|----------------------------------|---------------------------------------|-----------------------------------|
| G-4N□- $\begin{matrix} K \\ L \end{matrix}$ | 25 | 4 ^{+0.030} ₀ | 4 ^{+0.030} ₀ | 4 ^{+0.060} _{+0.010} | 7.5 ^{+0.15} ₀ |
| G-5N□- $\begin{matrix} K \\ L \end{matrix}$ | 25 | 4 ^{+0.030} ₀ | 4 ^{+0.030} ₀ | 4 ^{+0.060} _{+0.010} | 9.5 ^{+0.15} ₀ |

Specifications - Motor

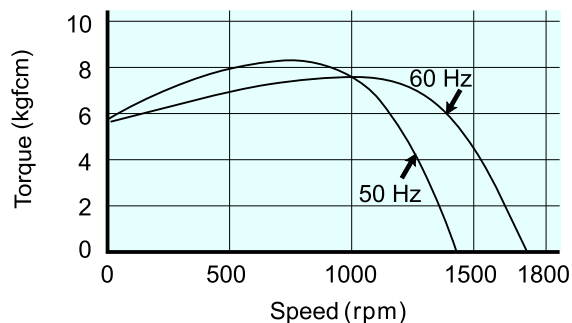
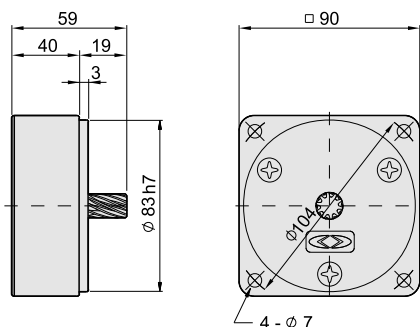
| Model | Poles | Output (W) | Voltage (V) | Frequency (Hz) | Duty | Rated Load | | | Starting Current (A) | Starting Torque (kgfcm) | Brake Input (W) | Brake Current (A) | Brake Torque (kgfcm) | Applied Gearhead Type | | |
|-------------|-------|------------|-------------|----------------|--------|-------------|---------------|----------------|----------------------|-------------------------|-----------------|-------------------|----------------------|-----------------------|--------------|------------------|
| | | | | | | Current (A) | Speed (r p m) | Torque (kgfcm) | | | | | | Metal Bearing | Ball Bearing | Decimal Gearhead |
| M-4RK25N-SS | 4 | 25 | 220 | 50 | 30min. | 0.22 | 1375 | 1.8 | 0.56 | 5.2 | 6 | 0.06 | 2 | G-4N□-L | G-4N□-K | G-4N10X-K |
| | | | | | | 0.19 | 1650 | 1.5 | 0.52 | 3.9 | 6 | 0.06 | 2 | | | |
| M-5RK40N-SS | 4 | 40 | 220 | 50 | 30min. | 0.31 | 1400 | 2.8 | 1.10 | 8.8 | 7 | 0.07 | 4 | G-5N□-L | G-5N□-K | G-5N10X-K |
| | | | | | | 0.27 | 1675 | 2.3 | 1.00 | 6.6 | 7 | 0.07 | 4 | | | |

Decimal Gear Head

G-5U10X-K

Speed - Torque Curve

M-5RK60_N-AFS

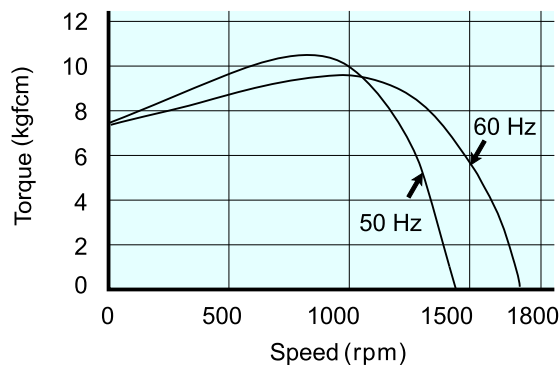
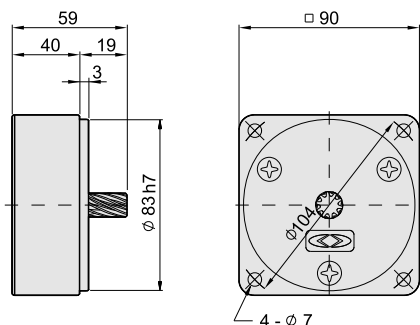


Decimal Gear Head

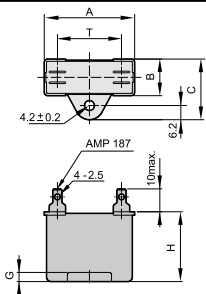
G-5U10X-K

Speed - Torque Curve

M-5RK90U-AFS

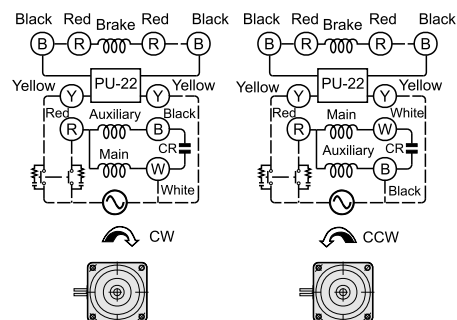


■ Dimensions and Specifications - Capacitor



| Capacitor μF(V) | A | B | C | H | G | T | Max.Temp |
|--------------------|----|----|----|----|-----|----|----------|
| 20(250V) | 50 | 22 | 32 | 35 | 4.5 | 32 | 60°C |
| 5(450V) | 50 | 22 | 32 | 35 | 4.5 | 32 | 70°C |
| 25(250V) | 50 | 22 | 32 | 35 | 4.5 | 32 | 60°C |
| 6(450V) | 50 | 22 | 32 | 35 | 4.5 | 32 | 70°C |

■ Wiring Diagram



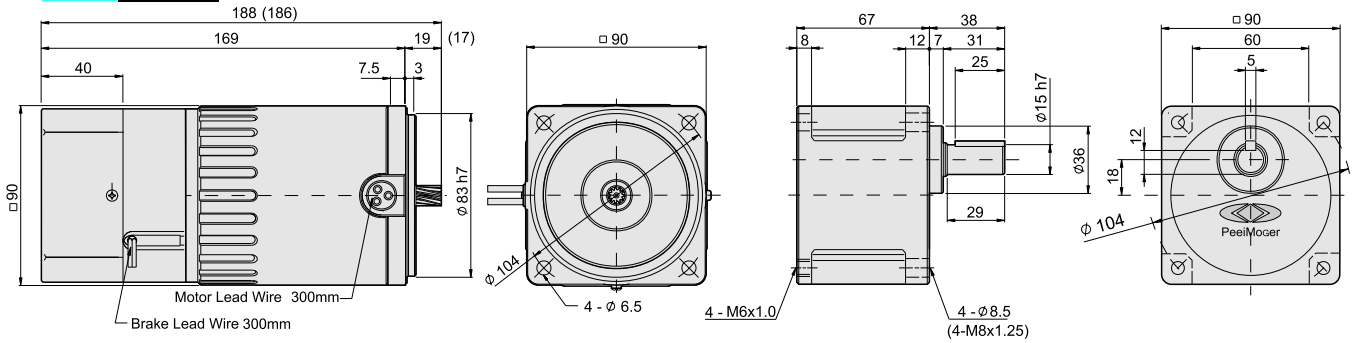
■ Gearhead - Max. Permissible Torque

Dark area: the rotating direction of motor shaft rotates in the same direction as the shaft of gearhead.
Shallow area: the rotating direction of motor shaft is opposite to the direction of the shaft of gearhead.

| Model | Speed (rpm) Gear Ratio | With Decimal Gearhead | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|------------------------------|-----------------------|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | 500 | 300 | 200 | 180 | 150 | 120 | 100 | 90 | 75 | 60 | 50 | 30 | 20 | 15 | 10 | 9 | 7.5 | 6 | 5 | 3 | 2 | 1.5 | 1 | |
| G-5N□-K G-5U□-K G-5U□-KH | Max.Allowable Torque (kgfcm) | 6.7 | 11 | 16 | 18 | 23 | 28 | 33 | 36 | 45 | 54 | 65 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| G-5U□-K G-5U□-KH | Max.Allowable Torque (kgfcm) | 14 | 23 | 35 | 38 | 46 | 58 | 69 | 77 | 92 | 111 | 133 | 216 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |

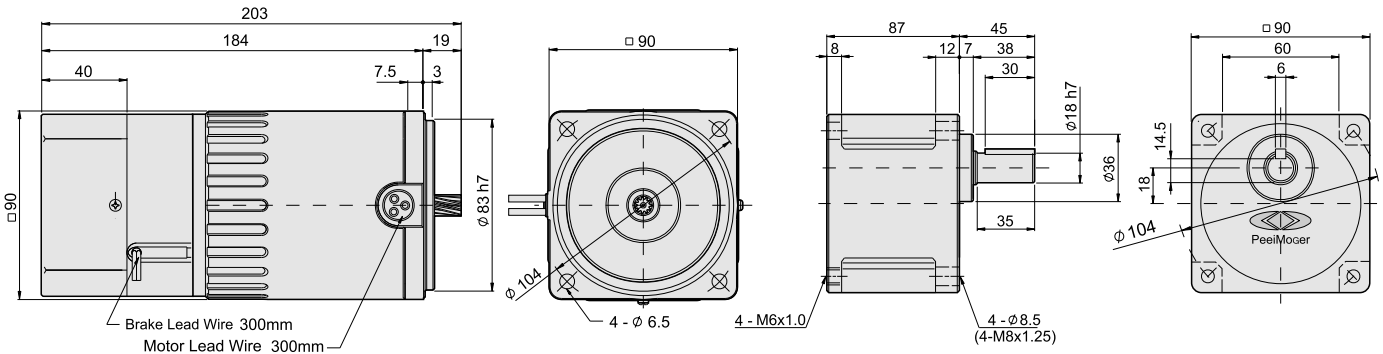
Single Phase Electro-magnetic Brake Motor

| | | | | | |
|--------|-----|-------|---------------------------|-----------|---------|
| Frame | 5 | Motor | M-5RK60 _N -□ S | Gear Head | G-5U□-K |
| Output | 60W | | | | |

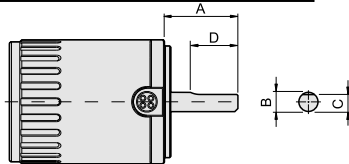


● () The dimension of Parenthesis is N model gear shaft and the dimension of applied Gearhead ,as G-5N□-K/L

| | | | | | |
|--------|-----|-------|--------------|-----------|-----------------------|
| Frame | 5 | Motor | M-5RK90U-□ S | Gear Head | G-5U□-KH (Developing) |
| Output | 90W | | | | |

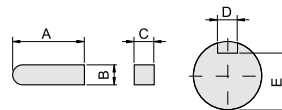


Dimensions - Motor, Round Shaft



| Model | A | B | C | D |
|-------------|----|--------|----------------------------------|----|
| M-5RK60A-□S | 37 | ∅12 h7 | 11 ⁰ _{-0.15} | 30 |
| M-5RK90A-□S | 37 | ∅12 h7 | 11 ⁰ _{-0.15} | 30 |

Dimensions - Key & Keyway



| Model | A | B | C | D | E |
|----------|----|----------------------------------|----------------------------------|-----------------------------------|------------------------------------|
| G-5U□-K | 25 | 5 ⁰ _{-0.030} | 5 ⁰ _{-0.030} | 5 ^{+0.050} ₊₀ | 12 ⁰ _{-0.15} |
| G-5U□-KH | 30 | 6 ⁰ _{-0.030} | 6 ⁰ _{-0.030} | 6 ^{+0.050} ₊₀ | 14.5 ⁰ _{-0.15} |

Specifications - Motor

| Model | Poles | Output (W) | Voltage (V) | Frequency (Hz) | Duty | Rated Load | | | Starting Current (A) | Starting Torque (kgfcm) | Brake Input (W) | Brake Current (A) | Brake Torque (kgfcm) | Capacitor uF(V) | Applied Gearhead Type | | |
|---------------------------|-------|------------|-------------|----------------|-------|-------------|---------------|----------------|----------------------|-------------------------|-----------------|-------------------|----------------------|-----------------|-----------------------|--------------|------------------|
| | | | | | | Current (A) | Speed (r.p.m) | Torque (kgfcm) | | | | | | | Metal Bearing | Ball Bearing | Decimal Gearhead |
| M-5RK60 _N -AFS | 4 | 60 | 110 | 50 | 30min | 1.3 | 1300 | 4.5 | 2.4 | 5.8 | 7 | 0.14 | 4 | 20(250V) | G-5N□-L | G-5N□-K | G-5N10X-K |
| | | | | | | 1.4 | 1600 | 3.6 | 2.4 | 5.8 | | | | | | G-5U□-K | G-5U10X-K |
| M-5RK60 _N -AFS | 4 | 60 | 220 | 50 | 30min | 0.65 | 1300 | 4.5 | 1.2 | 5.8 | 7 | 0.07 | 4 | 5(450V) | - | G-5U□-KH | G-5U10X-K |
| | | | | | | 0.70 | 1600 | 3.6 | 1.2 | 5.8 | | | | | | G-5U□-K | G-5U10X-K |
| M-5RK90U-AFS | 4 | 90 | 110 | 50 | 30min | 1.9 | 1225 | 7.1 | 3.0 | 7.2 | 7 | 0.14 | 4 | 25(250V) | - | G-5U□-K | G-5U10X-K |
| | | | | | | 2.1 | 1525 | 5.7 | 2.0 | 7.2 | | | | | | G-5U□-KH | G-5U10X-K |
| M-5RK90U-CFS | 4 | 90 | 220 | 50 | 30min | 1.0 | 1225 | 7.1 | 1.5 | 7.2 | 7 | 0.07 | 4 | 6(450V) | - | G-5U□-KH | G-5U10X-K |
| | | | | | | 1.1 | 1525 | 5.7 | 1.5 | 7.2 | | | | | | G-5U□-K | G-5U10X-K |