

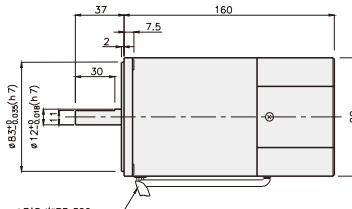
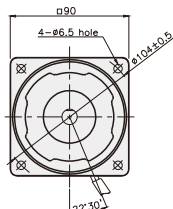
SPEED CONTROL MOTOR - SP SERIES

60W

□90mm

INDUCTION MOTOR

K9IS60F□-SP



SPECIFICATIONS

60W 連続定格, 4極

| Model | Voltage(V) | Frequency (Hz) | Speed Range (rpm) | Permissible Torque | | Start T. (N*m/Kgf*cm) | Current (A) | Condenser (μF) | |
|-------------|------------|----------------|-------------------|----------------------|--------------------|-----------------------|-------------|----------------|----------|
| | | | | 1200rpm (N*m/kgf*cm) | 90rpm (N*m/kgf*cm) | | | | |
| K9I□60FJ-SP | 100 | 50 | 90 ~ 1400 | 0.45/4.5 | 0.15/1.5 | 0.24/2.4 | 2.3 | 20 | |
| | | 60 | 90 ~ 1700 | | | | | | 0.21/2.1 |
| K9I□60FU-SP | 110 | 60 | 90 ~ 1700 | 0.45/4.5 | 0.15/1.5 | 0.285/2.85 | 2 | 16 | |
| | 115 | | | | | | 2.1 | | |
| K9I□60FL-SP | 200 | 50 | 90 ~ 1400 | 0.49/4.9 | 0.14/1.4 | 0.24/2.4 | 1.2 | 5 | |
| | | 60 | 90 ~ 1700 | 0.45/4.5 | 0.16/1.6 | 0.21/2.1 | | | |
| K9I□60FC-SP | 220 | 50 | 90 ~ 1400 | 0.49/4.9 | 0.14/1.4 | 0.24/2.4 | 0.91 | 4 | |
| | | 60 | 90 ~ 1700 | 0.45/4.5 | 0.16/1.6 | 0.21/2.1 | | | |
| | | 230 | 50 | 90 ~ 1400 | 0.49/4.9 | 0.14/1.4 | 0.24/2.4 | | 1 |
| | | | 60 | 90 ~ 1700 | 0.45/4.5 | 0.16/1.6 | 0.24/2.4 | | |
| K9I□60FD-SP | 240 | 50 | 90 ~ 1400 | 0.49/4.9 | 0.14/1.4 | 0.28/2.8 | 1.1 | 4 | |

* □ : SHAFT 形状 (S : STRAIGHT, P : PINION) * 製品名の末尾にFC-SP品番はUL規格認証製品です。UL FILE NO. E204632

RATED TORQUE OF GEARHEAD

● 単相 100V/115V

単位 = 上段 : N·m / 下段 : 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 |
| K9I□60F□-SP K9P□B, BF | 1200 | 1.09 10.9 | 1.31 13.1 | 1.82 18.2 | 2.19 21.9 | 2.73 27.3 | 3.28 32.8 | 3.65 36.5 | 4.10 41.0 | 4.92 49.2 | 5.90 59.0 | 6.56 65.6 | 7.38 73.8 | 8.86 88.6 | 10.63 106.3 | 11.81 118.1 | 14.76 147.6 | 17.71 177.1 | 20 200 | 20 200 | 20 200 | 20 200 | 20 200 | 20 200 | 20 200 |
| | 90 | 0.36 3.6 | 0.44 4.4 | 0.61 6.1 | 0.73 7.3 | 0.91 9.1 | 1.09 10.9 | 1.22 12.2 | 1.37 13.7 | 1.64 16.4 | 1.97 19.7 | 2.19 21.9 | 2.46 24.6 | 2.95 29.5 | 3.54 35.4 | 3.94 39.4 | 4.92 49.2 | 5.90 59.0 | 6.64 66.4 | 7.97 79.7 | 8.86 88.6 | 10.63 106.3 | 13.29 132.9 | 15.94 159.4 | 17.71 177.1 |

● 単相 200V/240V

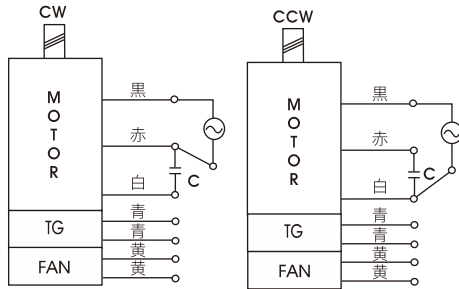
単位 = 上段 : N·m / 下段 : kgf·cm

| 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 | |
| K9I□60F□-SP K9P□B, BF | 1200 | 200V/220V/230V 240V/50Hz | 1.19 11.9 | 1.43 14.3 | 1.98 19.8 | 2.38 23.8 | 2.98 29.8 | 3.57 35.7 | 3.97 39.7 | 4.47 44.7 | 5.36 53.6 | 6.43 64.3 | 7.14 71.4 | 8.04 80.4 | 9.64 96.4 | 11.57 115.7 | 12.86 128.6 | 16.07 160.7 | 19.29 192.9 | 20 200 | 20 200 | 20 200 | 20 200 | 20 200 | 20 200 | |
| | | 200V/220V 230V/60Hz | 1.09 10.9 | 1.31 13.1 | 1.82 18.2 | 2.19 21.9 | 2.73 27.3 | 3.28 32.8 | 3.65 36.5 | 4.10 41.0 | 4.92 49.2 | 5.90 59.0 | 6.56 65.6 | 7.38 73.8 | 8.86 88.6 | 10.63 106.3 | 11.81 118.1 | 14.76 147.6 | 17.71 177.1 | 20 200 | 20 200 | 20 200 | 20 200 | 20 200 | 20 200 | |
| | 90 | 200V/220V/230V 240V/50Hz | 0.34 3.4 | 0.41 4.1 | 0.57 5.7 | 0.68 6.8 | 0.85 8.5 | 1.02 10.2 | 1.13 11.3 | 1.28 12.8 | 1.53 15.3 | 1.84 18.4 | 2.04 20.4 | 2.30 23.0 | 2.76 27.6 | 3.31 33.1 | 3.67 36.7 | 4.59 45.9 | 5.51 55.1 | 6.20 62.0 | 7.44 74.4 | 8.27 82.7 | 9.92 99.2 | 12.40 124.0 | 14.88 148.8 | 16.53 165.3 |
| | | 200V/220V 230V/60Hz | 0.39 3.9 | 0.47 4.7 | 0.65 6.5 | 0.78 7.8 | 0.97 9.7 | 1.17 11.7 | 1.30 13.0 | 1.46 14.6 | 1.75 17.5 | 2.10 21.0 | 2.33 23.3 | 2.62 26.2 | 3.15 31.5 | 3.78 37.8 | 4.20 42.0 | 5.25 52.5 | 6.30 63.0 | 7.09 70.9 | 8.50 85.0 | 9.45 94.5 | 11.34 113.4 | 14.17 141.7 | 17.01 170.1 | 18.90 189.0 |

- * GEARHEAD・DECIMAL GEARHEADは別売です。
- * GEARHEADの品名の中 □ には 減速比が入ります。
- * ■ 色がMOTORと同じ方向、その以外は反対方向です。
- * 表の減速比よりもっと減速しようとする場合には、ギアヘッドとモーターの間に減速比10のDECIMAL GEARHEADを設置することが可能です。この場合許容トルクは 20N·m/200kg f·cm です。
- * 回転数はMOTORの動機回転数(50Hz:1500rpm, 60Hz:1800rpm)を基準にして減速比に割って計算しました。実際を回転数は負荷の大きさによって表示される数値より 2~20% 小さいです。

GEARHEADS

CONNECTION DIAGRAMS



※ 回転方向は出力軸から見た場合

DIMENSIONS

K9P□B

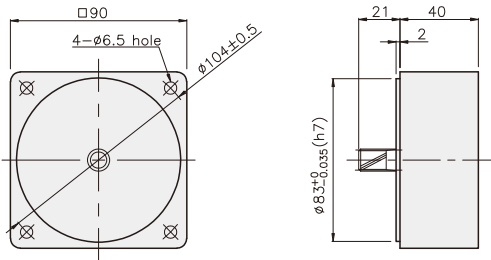


K9P□BF

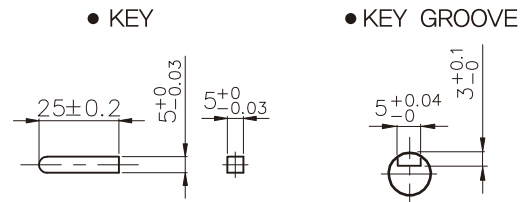


DECIMAL GEARHEAD

K9P10BX

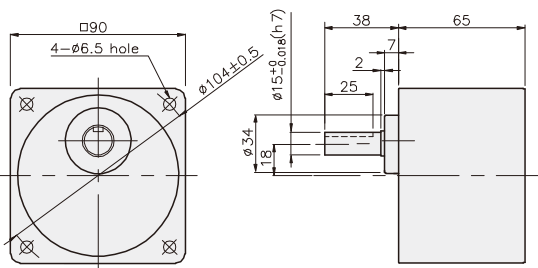


KEY SPEC

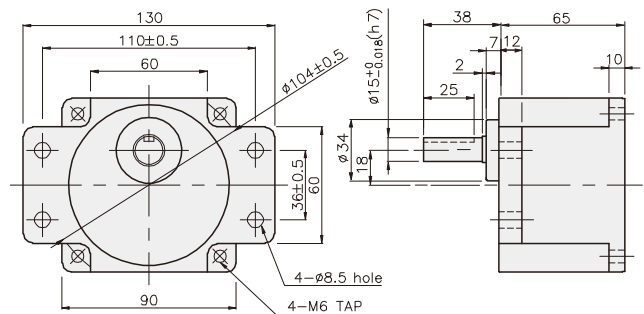


GEARHEAD

K9P□B



K9P□BF



GEARHEADS

DIMENSIONS

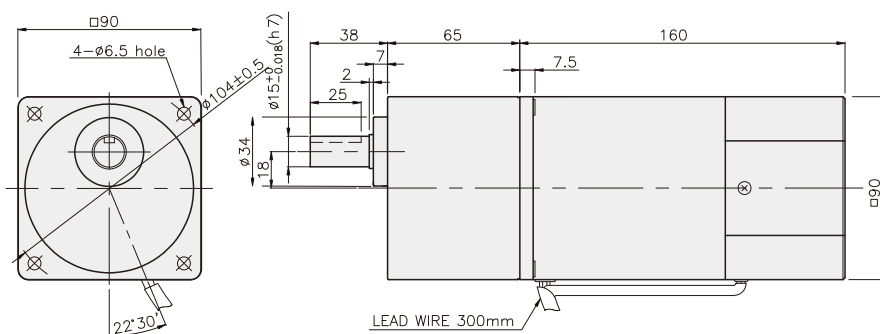
K9IP60F□-SP + K9P□B



K9IP60F□-SP + K9P□BF



K9IP60F□-SP + K9P□B



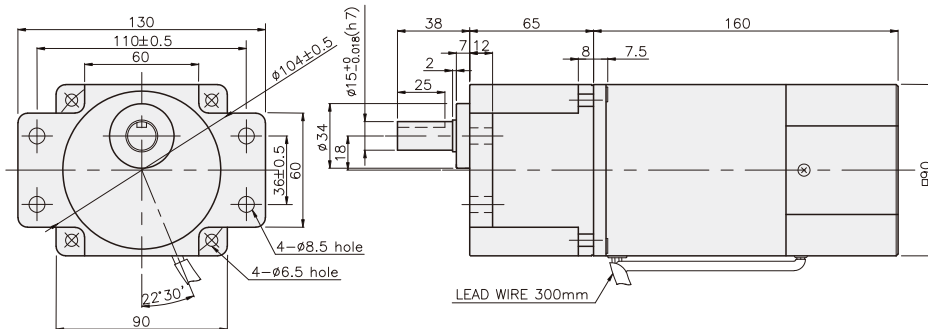
寸法図表

| 品番 | 適用機種 | 取付BOLT |
|----|-----------|---------------|
| 01 | K9P3~200B | M6 P1.0 X 95 |
| 02 | K9P10BX | M6 P1.0 X 140 |

重さ

| PART | WEIGHT(kg) | |
|-------------------|-------------|------|
| MOTOR | 3.06 | |
| DECIMAL GEAR HEAD | 0.62 | |
| GEAR HEAD | K9P3~10B | 1.22 |
| | K9P12.5~20B | 1.32 |
| | K9P25~60B | 1.42 |
| | K9P75~200B | 1.45 |

K9IP60F□-SP + K9P□BF



寸法図表

| 品番 | 適用機種 | 取付BOLT |
|----|------------|--------------|
| 01 | K9P3~200BF | M6 P1.0 X 20 |
| 02 | K9P10BX | M6 P1.0 X 65 |

重さ

| PART | WEIGHT(kg) | |
|-------------------|--------------|------|
| MOTOR | 3.06 | |
| DECIMAL GEAR HEAD | 0.62 | |
| GEAR HEAD | K9P3~10BF | 1.22 |
| | K9P12.5~18BF | 1.30 |
| | K9P20~60BF | 1.42 |
| | K9P75~200BF | 1.44 |