

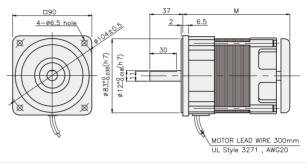
## **TYPE MOTOR**

□90mm

LEAD WIRE TYPE

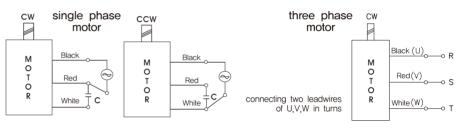
#### K9I□60B□~K9I□200B□





#### **DIMENSION TABLE**

| М   | MOTOR   |
|-----|---|
| 120 | K9I□60B□  |
| 135 | K9I□90B□,<br>K9I□120B□(60Hz)~K9I□150B□ (60Hz)           |
| 165 | K9I□120B□(50Hz)~K9I□150B□ (50Hz)<br>K9I□180B□~K9I□200B□ |



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

## 60W

| Model       |                | Voltage<br>(V) | Frequency<br>(Hz) | Current<br>(A) | Start T.<br>(N·m/kgf·cm) | Rated T.<br>(N·m/kgf·cm) | Speed<br>(rpm) | Condenser<br>(µF) |          |      |
|-------------|----------------|----------------|-------------------|----------------|--------------------------|--------------------------|----------------|-------------------|----------|------|
| K9I□60BJ    |                | 100            | 50                | 1,36           | 0.38/3.8                 | 0.47/4.7                 | 1250           | 20                |          |      |
| Kal L 60B3  |                | 100            | 60                | 1,37           | 0.36/3.6                 | 0.38/3.8                 | 1550           | 20                |          |      |
| K9I□60BU    |                | 110            | 60                | 1,21           | 0.37/3.7                 | 0.38/3.8                 | 1550           | 16                |          |      |
| K9I 🗆 60B0  |                | 115            | 00                | 1,27           | 0.37/3.7                 | 0.36/3.6                 | 1550           | 10                |          |      |
| K9I□60BL    | single-phase   | 200            | 50                | 0.67           | 0.4/4                    | 0.47/4.7                 | 1250           | 5                 |          |      |
| K9I LI OOBL | sirigie-priase | 200            | 60                | 0.69           | 0.4/4                    | 0,38/3,8                 | 1550           | 5                 |          |      |
|             |                | 220            | 50                | 0.58           | 0,38/3,8                 | 0.47/4.7                 | 1250           |                   |          |      |
| K9I□60BC    |                | 220            | 60                | 0.57           | 0.30/3.0                 | 0.38/3.8                 | 1550           | ,                 |          |      |
| K9ILI 60BC  | _              | 230            | 50                | 0.63           | 0.4/4                    | 0.47/4.7                 | 1250           | 4                 |          |      |
|             |                | 230            | 60                | 0.03           |                          | 0.38/3.8                 | 1550           |                   |          |      |
| K9I□60BD    |                | 240            | 50                | 0.69           | 0.44/4.4                 | 0.47/4.7                 | 1250           | 4                 |          |      |
| K9I□60BT    |                | 200            | 50                | 0.49           | 1,35/13,5                | 0.45/4.5                 | 1300           |                   |          |      |
| K9ILI 60BT  |                | 200            | 60                | 0.45           | 1.05/10.5                | 0.38/3.8                 | 1550           | _                 |          |      |
|             |                | 220            | 50                | 0.55           | 1.6/16                   | 0.435/4.35               | 1350           |                   |          |      |
| K9I□60BH    |                | 220            | 60                | 0.47           | 1,2/12                   | 0.37/3.7                 | 1600           |                   |          |      |
| Kalmoopu    |                | 230            | 50                | 0.6            | 1.65/16.5                | 0.435/4.35               | 1350           | 1 -               |          |      |
|             |                |                |                   |                | 230                      | 60                       | 0.52           | 1.3/13            | 0.37/3.7 | 1600 |
| K9I□60BM    | three-phase    | 380            | 50                | 0.34           | 1.55/15.5                | 0.435/4.35               | 1350           |                   |          |      |
| K9I LI 60BM | '              | 380            | 60                | 0.25           | 1,19/11,9                | 0.37/3.7                 | 1600           |                   |          |      |
| K9I□60BV    |                | 400            | 50                | 0.37           | 1.85/18.5                | 0.435/4.35               | 1350           |                   |          |      |
| K9ILI 60BV  |                | 400            | 60                | 0.28           | 1.42/14.2                | 0.37/3.7                 | 1600           |                   |          |      |
| K9I□60BQ    |                |                |                   | 1 – –          | 2000                     | 50                       | 0.26           | 1.45/14.5         | 0.45/4.5 | 1300 |
| KAILIOUDA   |                | 415            | 60                | 0.21           | 1.15/11.5                | 0.37/3.7                 | 1600           | 1 -               |          |      |
| V01E-60E7   | 2017 0007      | (0)=00P7       | 440               | 50             | 0.28                     | 1.6/16                   | 0.45/4.5       | 1300              |          |      |
| K9I□60BZ    |                | 440            | 60                | 0.23           | 1,25/12,5                | 0.37/3.7                 | 1600           | _                 |          |      |

Motor spec is same as induction motor's. Applied gear head is K6G□B(C) Series, Identify rated torque of gearhead in induction motor in order to find out the torque value of gearhead per gear ratios, \* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)



# OPEN TYPE MOTOR

### 90W

| Model       |               | Voltage<br>(V) | Frequency<br>(Hz) | Current<br>(A) | Start T.<br>(N·m/kgf·cm) | Rated T.<br>(N·m/kgf·cm) | Speed<br>(rpm) | Condenser (µF) |      |
|-------------|---------------|----------------|-------------------|----------------|--------------------------|--------------------------|----------------|----------------|------|
| I/OLE OOD I |               | 400            | 50                | 2.07           | 0.55/5.5                 | 0.675/6.75               | 1300           | 00             |      |
| K9I□90BJ    |               | 100            | 60                | 1.97           | 0.55/5.5                 | 0.55/5.5                 | 1600           | 30             |      |
| K9I□90BU    |               |                | 110               | - 60           | 1.47                     | 0.44/4.4                 | 0,55/5,5       | 1600           | 20   |
| K9ILI 90B0  |               | 115            | - 60              | 1.52           | 0.485/4.85               | 0.55/5.5                 | 1600           | 20             |      |
| K9I□90BL    |               | 200            | 50                | 0.75           | 0.5/5                    | 0.675/6.75               | 1300           | 7              |      |
| K9I LI 90BL | single-phase  | 200            | 60                | 0.97           | 0.5/5                    | 0.57/5.7                 | 1550           | ,              |      |
|             | K9I□90BC      | 220            | 50                | 0.8            | 0.45/4.5                 | 0.675/6.75               | 1300           |                |      |
| KOILIOOBC   |               | 220            | 60                | 0.9            | 0.5/5                    | 0.57/5.7                 | 1550           | 6              |      |
| Kalmanec    |               | 230            | 50                | 0.87           | 0.55/5.5                 | 0.675/6.75               | 1300           |                |      |
|             |               | 230            | 60                | 0.93           | 0.33/3.3                 | 0.57/5.7                 | 1550           |                |      |
| K9I□90BD    |               | 240            | 50                | 0.85           | 0.5/5                    | 0.675/6.75               | 1300           | 5              |      |
| K9I□90BT    |               | 200            | 50                | 0.79           | 2,25/22,5                | 0.65/6.5                 | 1350           | _              |      |
| Кагдаовт    |               | 200            | 60                | 0.72           | 1,75/17,5                | 0.55/5.5                 | 1600           | _              |      |
|             |               | 220            | 50                | 0.72           | 2.35/23.5                | 0.65/6.5                 | 1350           |                |      |
| K9I□90BH    |               | 220            | 60                | 0,63           | 1.8/18                   | 0.55/5.5                 | 1600           |                |      |
| Кагпален    |               | 230            | 50                | 0.86           | 2,45/24,5                | 0.65/6.5                 | 1350           |                |      |
|             |               | 230            | 60                | 0.66           | 1.95/19.5                | 0.55/5.5                 | 1600           |                |      |
| К9І□90ВМ    | three-phase   | 380            | 50                | 0.43           | 2.35/23.5                | 0.65/6.5                 | 1350           |                |      |
| Kainanami   | trilee-priase | 360            | 60                | 0,37           | 1.7/17                   | 0.55/5.5                 | 1600           | 1 -            |      |
| K9I□90BV    |               | 400            | 50                | 0.52           | 2,65/26,5                | 0.65/6.5                 | 1350           | _              |      |
| Kainaoba    | -             | 400            | 60                | 0.45           | 2,1/21                   | 0.55/5.5                 | 1600           |                |      |
| K9I□90BQ    |               |                |                   | 415            | 50                       | 0.39                     | 2/20           | 0.68/6.8       | 1300 |
| KAILIAODQ   |               | 415            | 60                | 0,31           | 1,5/15                   | 0,55/5,5                 | 1600           | <b>–</b>       |      |
| K9I□90BZ    |               | 440            | 50                | 0.45           | 2,1/21                   | 0,68/6,8                 | 1300           |                |      |
| K9ILI 9UBZ  |               | 440            | 60                | 0.39           | 1,7/17                   | 0.55/5.5                 | 1600           | _              |      |

#### 120W

| 12000        |              |     |                   |                |                          |                          |                |                   |
|--------------|--------------|-----|-------------------|----------------|--------------------------|--------------------------|----------------|-------------------|
| Mode         | Model        |     | Frequency<br>(Hz) | Current<br>(A) | Start T.<br>(N·m/kgf·cm) | Rated T.<br>(N·m/kgf·cm) | Speed<br>(rpm) | Condenser<br>(µF) |
| K9I□120BJ    |              | 100 | 50                | 2.2            | 0,6/6                    | 0.9/9                    | 1300           | - 35              |
| Kain 15083   |              | 100 | 60                | 2.2            | 0.65/6.5                 | 0.735/7.35               | 1600           |                   |
| VOLET 100 DU |              | 110 | - 60              | 2,13           | 0.65/6.6                 | 0.735/7.35               | 1600           | 30                |
| K9ILI IZUBU  | <9I□120BU    | 115 | 1 60              | 2,3            | 0.7/7                    |                          |                |                   |
| KOLE 100 DI  |              | 200 | 50                | 1.07           | 0.65/6.5                 | 0.9/9                    | 1300           | 8.5               |
| K9I□120BL    | single-phase | 200 | 60                | 1,22           | 0.6/6                    | 0.755/7.55               | 1550           | 8                 |
|              |              | 220 | 50                | 0.82           | 0.55/5.5                 | 0.0/0                    | 1300           | 6                 |
| KOLE 100DC   |              | 230 | - 50              | 0.85           | 0.6/6                    | 0.9/9                    |                |                   |
| K9I□120BC    |              | 220 | 00                | 1              | 0,6/6                    | 0.705/7.05               | 1000           | 7                 |
|              |              | 230 | 230 60            | 1,1            | 0.65/6.5                 | 0.735/7.35               | 1600           |                   |
| K9I□120BD    |              | 240 | 50                | 0.9            | 0,6/6                    | 0.9/9                    | 1300           | 6                 |

Motor spec is same as induction motor's, Applied gear head is K6G $\square$ B(C) Series, Identify rated torque of gearhead in induction motor in order to find out the torque value of gearhead per gear ratios,  $\ast$   $\square$ : SHAFT SHAPE (S: STRAIGHT, G: PINION)



## OPEN TYPE MOTOR

#### SPECIFICATIONS

### 150W

| Model       |             | Voltage<br>(V) | Frequency<br>(Hz) | Current<br>(A) | Start T.<br>(N·m/kgf·cm) | Rated T.<br>(N·m/kgf·cm) | Speed<br>(rpm) | Condenser<br>(µF) |
|-------------|-------------|----------------|-------------------|----------------|--------------------------|--------------------------|----------------|-------------------|
| K9I□150BT   |             | 200            | 50                | 1,2            | 3,5/35                   | 1,13/11,3                | 1300           | _                 |
| K9ILI 190B1 |             | 200            | 60                | 0.95           | 2,65/26,5                | 0.915/9.15               | 1600           |                   |
|             |             | 220            | 50                | 0.99           | 2,95/29,5                | 1 10 /11 0               | 1200           | _                 |
| K9I□150BH   |             | 230            | 50                | 1,1            | 3/30                     | 1,13/11,3                | 1300           | _                 |
| K9I 🗆 150BH |             | 220            | 00                | 0.97<br>1.02   | 2,5/25                   | 0.915/9.15               | 1000           | _                 |
|             |             | 230            | - 60              |                | 2,7/27                   |                          | 1600           |                   |
| VOLT-150DM  | three phone | 000            | 50                | 0.57           | 3/30                     | 1,13/11,3                | 1300           | _                 |
| K9I□150BM   | three-phase | 380            | 60                | 0.57           | 2,25/22,5                | 0.915/9.15               | 1600           | _                 |
| V010150D\/  |             | 400            | 50                | 0.6            | 3.5/35                   | 1,13/11,3                | 1300           | _                 |
| K9I□150BV   |             | 400            | 60                | 0.6            | 2,5/25                   | 0.915/9.15               | 1600           |                   |
| VOLT-150DO  |             | 445            | 50                | 0.57           | 3,15/31,5                | 1,13/11,3                | 1300           | _                 |
| K9I□150BQ   |             | 415            | 60                | 0.42           | 2,35/23,5                | 0,915/9,15               | 1600           |                   |
| K9I□150BZ   |             | 440            | 50                | 0.53           | 3,3/33                   | 1.085/10.85              | 1350           | _                 |
| KAITI 190BZ |             | 440            | 60                | 0.44           | 2.6/26                   | 0.915/9.15               | 1600           |                   |

Motor spec is same as induction motor's, Applied gear head is K6G $\square$ B(C) Series, Identify rated torque of gearhead in induction motor in order to find out the torque value of gearhead per gear ratios, \*  $\square$  : SHAFT SHAPE (S : STRAIGHT, G : PINION)



## OPEN TYPE MOTOR

#### SPECIFICATIONS

### 180W

| Model         |              | Voltage<br>(V) | Frequency<br>(Hz) | Current<br>(A) | Start T.<br>(N·m/kgf·cm) | Rated T.<br>(N·m/kgf·cm) | Speed<br>(rpm) | Condenser<br>(µF) |
|---------------|--------------|----------------|-------------------|----------------|--------------------------|--------------------------|----------------|-------------------|
| K9I□180BJ     |              | 100            | 50                | 3,43           | 0.9/9                    | 1,35/13,5                | 1300           | 50                |
| K91 🗆 100BJ   |              | 100            | 60                | 3.7            | 1/10                     | 1,1/11                   | 1600           | - 50              |
| I/OLT 100 DLI |              | 110            | 60                | 2,85           | 0.8/8                    | 4 4 /44                  | 1600           | 35                |
| K9I 🗆 180B0   | K9I□180BU    | 115            | 60                | 3,06           |                          | 1,1/11                   |                | 35                |
| KOLETOODI     |              | 000            | 50                | 1.47           | 0.73/7.3                 | 1,35/13,5                | 1300           | - 12              |
| K9I□180BL     | single-phase | 200            | 60                | 1,43           | 0.65/6.5                 | 1,1/11                   | 1600           |                   |
|               |              | 220            | 50                | 1,58           | 0.7/7                    | 1,35/13,5                | 1300           |                   |
| 1/01/E1400DO  |              |                | 60                | 1,38           | 0.65/6.5                 | 1,1/11                   | 1600           | 8                 |
| K9I□180BC     |              |                | 50                | 1.7            | 0.75/7.5                 | 1.35/13.5                | 1300           |                   |
|               |              | 230            | 60                | 1,54           | 0.7/7                    | 1,1/11                   | 1600           |                   |
| K9I□180BD     |              | 240            | 50                | 1,2            | 0.8/8                    | 1,35/13,5                | 1300           | 8                 |

### 200W

| 20000       |                |                   |                |                          |                          |                |                   |   |
|-------------|----------------|-------------------|----------------|--------------------------|--------------------------|----------------|-------------------|---|
| Model       | Voltage<br>(V) | Frequency<br>(Hz) | Current<br>(A) | Start T.<br>(N·m/kgf·cm) | Rated T.<br>(N·m/kgf·cm) | Speed<br>(rpm) | Condenser<br>(µF) |   |
| K9I□200BT   |                | 200               | 50             | 1,62                     | 4/40                     | 1.5/15         | 1300              | _ |
| K9111200B1  |                | 200               | 60             | 1,29                     | 3.15/31.5                | 1,22/12,2      | 1600              | - |
|             |                | 220               | 50             | 1,36                     | 4.25/42.5                | 1.45/14.5      | 1350              | _ |
| K9I□200BH   |                | 220               | 60             | 1.06                     | 3,4/34                   | 1,22/12,2      | 1600              | - |
| к91⊔200ВН   |                | 230               | 50             | 1,51                     | 4.3/43                   | 1,45/14,5      | 1350              | _ |
|             |                |                   | 60             | 1,15                     | 3.5/35                   | 1,22/12,2      | 1600              |   |
| KOLTZOODNA  | three-phase    | 380               | 50             | 0,81                     | 4.3/43                   | 1.45/14.5      | 1350              | _ |
| K9I□200BM   | triree—priase  | 380               | 60             | 0.58                     | 3,6/36                   | 1,22/12,2      | 1600              |   |
| KOLE 200D/  |                | 400               | 50             | 0,91                     | 4.5/45                   | 1.45/14.5      | 1350              | _ |
| K9I□200BV   |                |                   | 60             | 0,67                     | 4/40                     | 1,22/12,2      | 1600              |   |
| K9I□200BQ   |                | 415               | 50             | 0.62                     | 3,8/38                   | 1,5/15         | 1300              | _ |
| K9ILI ZUUDQ |                | 415               | 60             | 0,58                     | 3/30                     | 1,26/12,6      | 1550              |   |
| K9I□200BZ   |                | 440               | 50             | 0.68                     | 4.1/41                   | 1,5/15         | 1300              | _ |
| K9I□ Z00BZ  |                | 440               | 60             | 0.54                     | 3/30                     | 1,22/12,2      | 1600              |   |
|             |                |                   |                |                          |                          |                |                   |   |

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