

## INDUCTION MOTOR

### 25W

### □80mm

### LEAD WIRE TYPE TERMINAL BOX TYPE

K8IS25N□



K8IS25N□-T, T5



### SPECIFICATIONS

25W continuous rating, four poles

Model	Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/Kgf*cm)	Rated T. (N*m/Kgf*cm)	Speed (rpm)	Condenser (μF)
K8I□25NJ(-T, -T5)	100	50	0,59	0,11/1,1	0,195/1,95	1250	7
		60	0,54		0,16/1,6	1550	
K8I□25NU(-T, -T5)	110	60	0,48	0,09/0,9	0,165/1,65	1500	5
			0,5				
K8I□25NL(-T, -T5)	200	50	0,26	0,115/1,15	0,195/1,95	1250	1,8
		60	0,28		0,16/1,6	1550	
K8I□25NC(-T, -T5)	220	50	0,28	0,11/1,1	0,195/1,95	1250	1,5
		60	0,25		0,16/1,6	1550	
K8I□25ND(-T, -T5)	230	50	0,29	0,12/1,2	0,195/1,95	1250	1,5
		60	0,26		0,16/1,6	1550	
K8I□25ND(-T, -T5)	240	50	0,3	0,11/1,1	0,195/1,95	1250	1,2
K8I□25NT(-T, -T5)	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(-T, -T5)	220	50	0,28	0,6/6	0,185/1,85	1350	-
		60	0,24	0,48/4,8	0,155/1,55	1600	-
K8I□25NH(-T, -T5)	230	50	0,29	0,65/6,5	0,185/1,85	1350	-
		60	0,25	0,52/5,2	0,155/1,55	1600	-
K8I□25NM(-T, -T5)	380	50	0,17	0,6/6	0,19/1,9	1300	-
		60	0,14	0,48/4,8	0,155/1,55	1600	-
K8I□25NV(-T, -T5)	400	50	0,17	0,73/7,3	0,19/1,9	1300	-
		60	0,15	0,6/6	0,155/1,55	1600	-
K8I□25NQ(-T, -T5)	415	50	0,13	0,55/5,5	0,19/1,9	1300	-
		60	0,11	0,4/4	0,155/1,55	1600	-
K8I□25NZ(-T, -T5)	440	50	0,14	0,63/6,3	0,19/1,9	1300	-
		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 Motor/ Gearhead	Speed(rpm) Ratio	500	416	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	
		K8I□25N□(-T, -T5) 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
		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 Motor/ Gearhead	Speed(rpm) Ratio	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
		K8I□25N□(-T, -T5) 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
		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

\* Gearhead and decimal gearhead are sold separately.

\* The code in □ of gearhead model is for gear ratio.

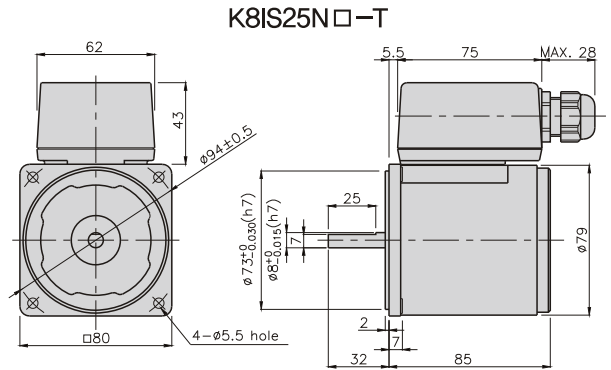
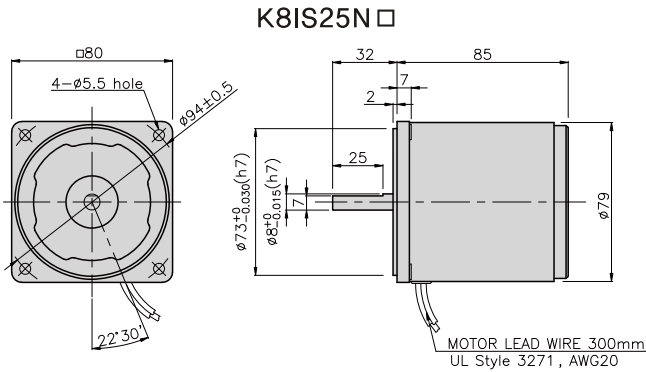
\*  color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.

\* 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.

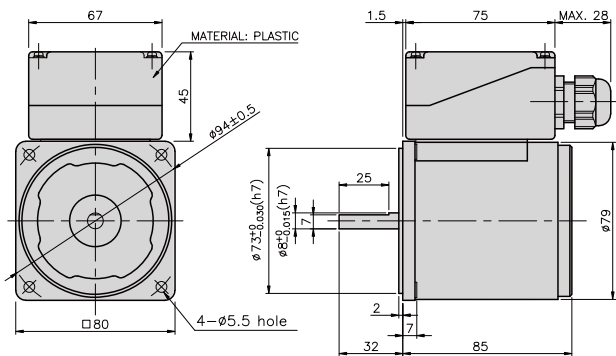
\* RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.

## GEARHEADS

### DIMENSIONS



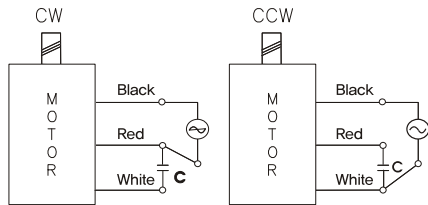
**K8IS25N□-T5**



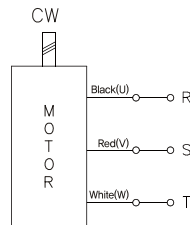
### CONNECTION DIAGRAMS

**K8IS25N□**

**single phase motor**



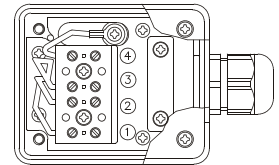
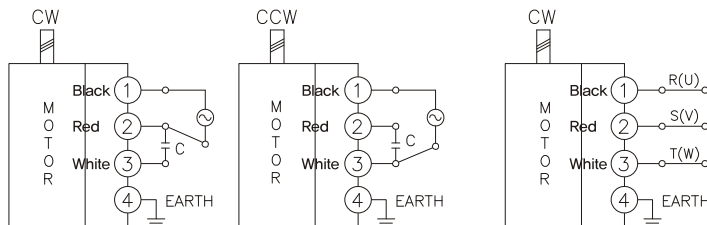
**three phase motor**



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

connecting two leadwires of U,V,W in turns

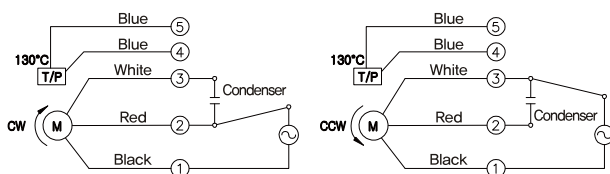
**K8IS25N□-T**



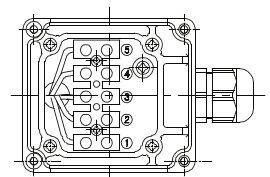
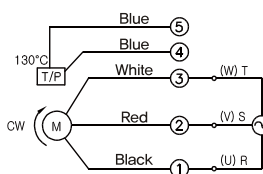
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**K8IS25N□-T5**

**single phase motor**



**three phase motor**



connecting two leadwires of U,V,W in turns

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**GEARHEADS**

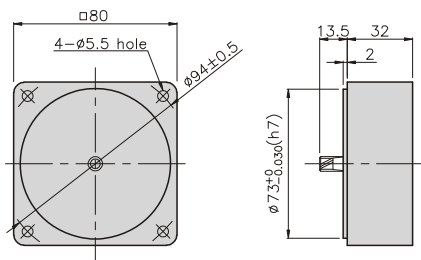
DIMENSIONS

K8G□B(C)



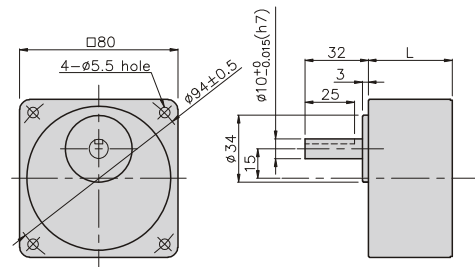
DECIMAL GEARHEAD

K8G10BX



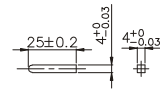
GEAR HEAD

K8G□B(C)



• KEY

• KEY GROOVE



## GEARHEADS

### DIMENSIONS

K8IG25N□ + K8G□B(C)



K8IG25N□-T(-T5) + K8G□B(C)



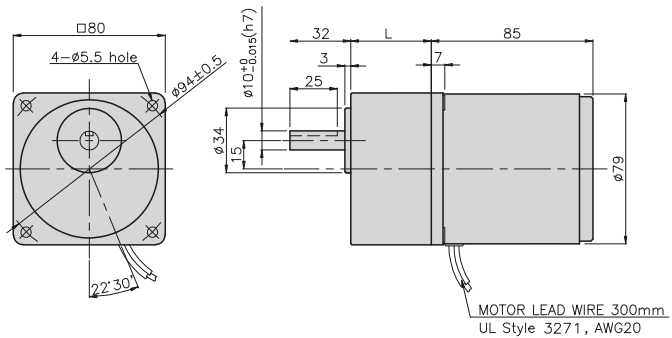
#### DIMENSION TABLE

PART No	L	Application Model	Mounting 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

#### WEIGHT

PART	WEIGHT(kg)	
MOTOR	1,58	
DECIMAL GEAR HEAD	0,46	
GEAR HEAD	K8G3~18B(C)	0,51
	K8G20~40B(C)	0,64
	K8G50~250B(C)	0,70

K8IG25N□ + K8G□B(C)



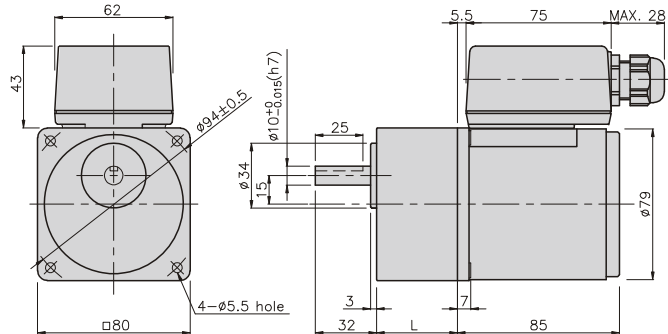
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K8IG25N□-T + K8G□B(C)



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K8IG25N□-T5 + K8G□B(C)

