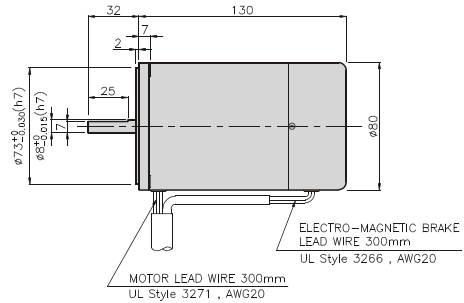
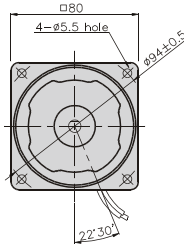


BRAKE MOTOR

25W

□80mm

K8□S25N□-B



SPECIFICATIONS

25W single-phase : 30 minutes rating, three-phase : continuous rating, four poles

Model	Duty	Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m / Kgf*cm)	Rated T. (N*m / Kgf*cm)	Speed (rpm)	Condenser (μF)	Friction T. (N*m / Kgf*cm)
K8R□25NJ-B	single-phase 30 minutes	100	50	0,65	0,15/1,5	0,195/1,95	1250	10	0,4/4
			60	0,74		0,165/1,65	1500		
K8R□25NU-B		110	60	0,51	0,13/1,3	0,165/1,65	1500	6	0,4/4
				115					
K8R□25NL-B		200	50	0,33	0,16/1,6	0,195/1,95	1250	2,5	0,4/4
				60			0,37		
K8R□25NC-B		220	50	0,29	0,15/1,5	0,195/1,95	1250	2	0,4/4
				60			0,34		
K8R□25ND-B		230	50	0,35	0,165/1,65	0,195/1,95	1250	2	0,4/4
				60			0,34		
K8R□25ND-B		240	50	0,32	0,15/1,5	0,19/1,9	1300	1,5	0,4/4
K8I□25NT-B		three-phase continuous	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-B	220		50	0,28	0,6/6	0,185/1,85	1350	-	0,4/4
				60	0,24	0,48/4,8	0,155/1,55		
K8I□25NI-B	230		50	0,29	0,65/6,5	0,185/1,85	1350	-	0,4/4
				60	0,25	0,52/5,2	0,155/1,55		
K8I□25NM-B	380		50	0,17	0,6/6	0,19/1,9	1300	-	0,4/4
				60	0,14	0,48/4,8	0,155/1,55		
K8I□25NV-B	400		50	0,17	0,73/7,3	0,19/1,9	1300	-	0,4/4
				60	0,15	0,6/6	0,155/1,55		
K8I□25NQ-B	415		50	0,13	0,55/5,5	0,19/1,9	1300	-	0,4/4
				60	0,11	0,4/4	0,155/1,55		
K8I□25NZ-B	440	50	0,14	0,63/6,3	0,19/1,9	1300	-	0,4/4	
			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	Speed(rpm)	500	46	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
Motor/Gearhead	Ratio	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
K8□G25N□-B 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	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	Speed(rpm)	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
Motor/Gearhead	Ratio	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
K8□G25N□-B 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	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	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.

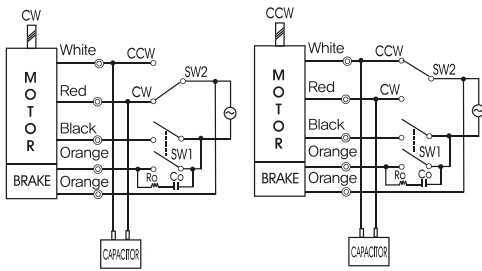
* If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth of the ratio, between the gearhead and the motor. In this case, the permissible torque is 8N · m/80kgfcm. But, if you install 1/25~1/40 gearhead, the permissible torque is 6N · m/60kgfcm.

* 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.

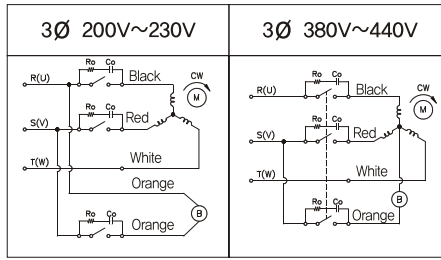
GEARHEADS

CONNECTION DIAGRAMS

single phase motor



three phase motor



connecting two leadwires of U,V,W in turns

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

Connect Cr circuit for absorbing serge voltage as connection diagram to protect contact point.
 $R_o = 5 - 200\Omega$
 $C_o = 0,1 \sim 0,2\mu F$ 200WV(400WV)

DIMENSIONS

K8G□B(C)

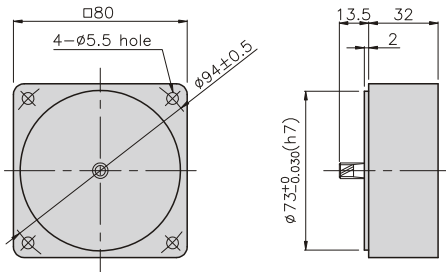


K8□G25N□-B + K8G□B(C)



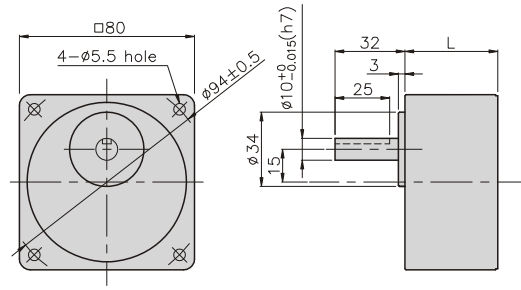
DECIMAL GEARHEAD

K8G10BX



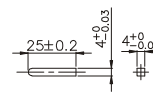
GEARHEAD

K8G□B(C)



• KEY

• KEY GROOVE



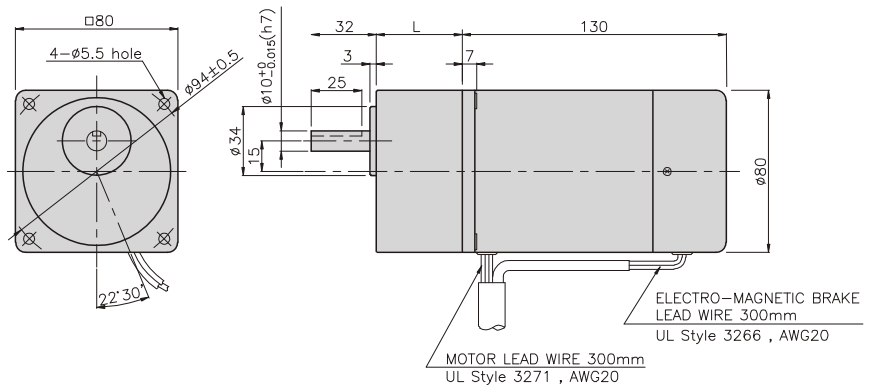
DIMENSION TABLE

PART No	L	Application Model	Mounting BOLT
01	32	K8G3~18B(C)	M4 P0,8 X 50
02	42,5	K8G20~250B(C)	M4 P0,8 X 65
03	32	K8G10BX	M4 P0,8 X 95

WEIGHT

PART	WEIGHT(kg)	
MOTOR	1,84	
DECIMAL GEAR HEAD	0,46	
GEAR HEAD	K8G3~18B(C)	0,51
	K8G20~40B(C)	0,64
	K8G50~250B(C)	0,70

K8□G25N□-B + K8G□B(C)



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)	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
	Ratio	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
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	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)	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
	Ratio	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
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	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	80

* Gearhead and decimal gearhead are sold separately.

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

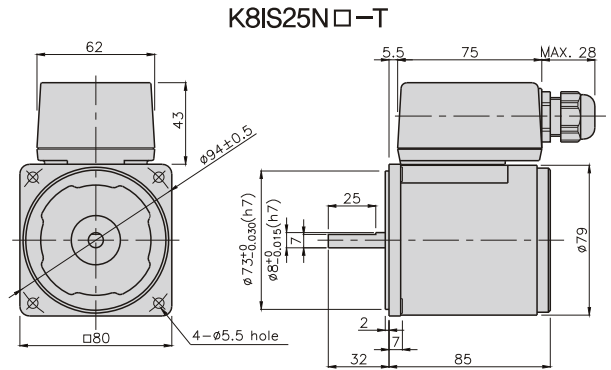
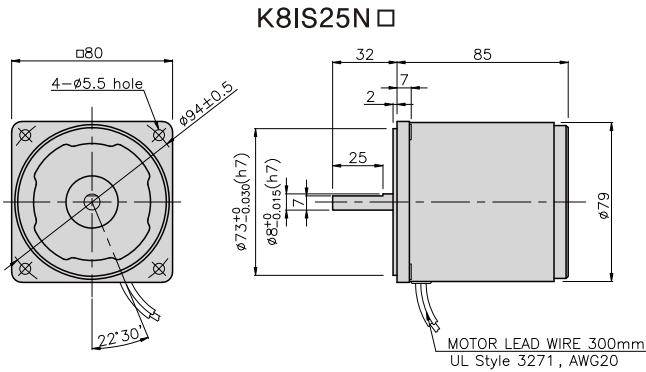
* color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.

* 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.

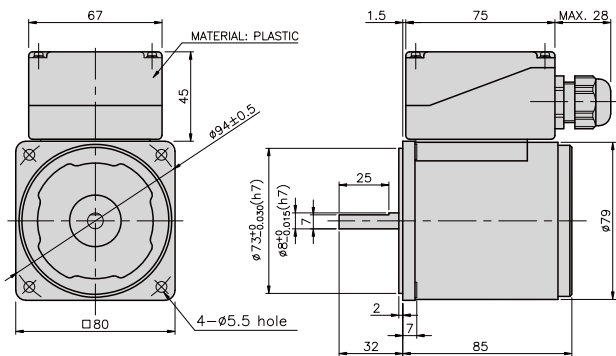
* RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.

GEARHEADS

DIMENSIONS



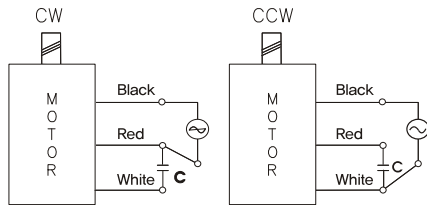
K8IS25N□-T5



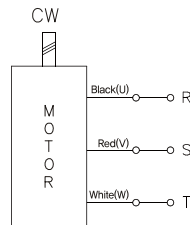
CONNECTION DIAGRAMS

K8IS25N□

single phase motor



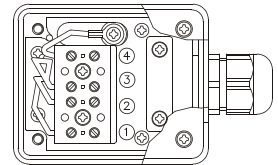
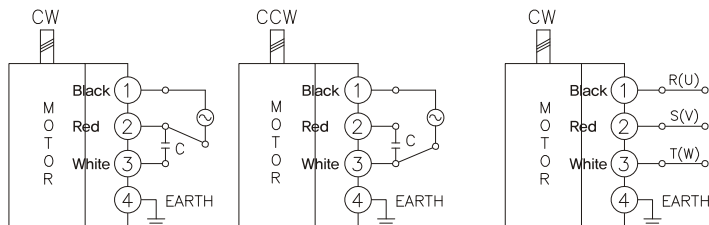
three phase motor



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

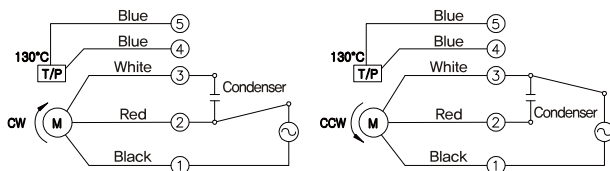
K8IS25N□-T



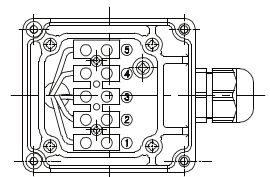
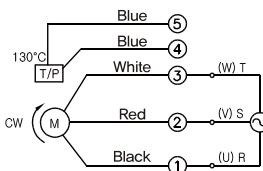
The direction of motor rotation is as viewed from the front shaft end of the motor

K8IS25N□-T5

single phase motor



three phase motor



connecting two leadwires of U,V,W in turns

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

GEARHEADS

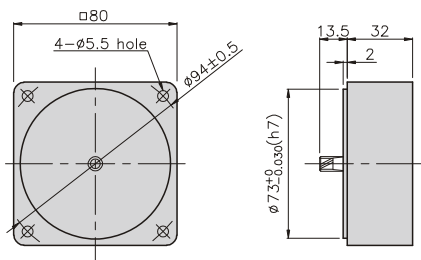
DIMENSIONS

K8G□B(C)



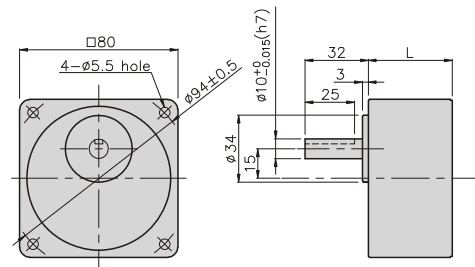
DECIMAL GEARHEAD

K8G10BX



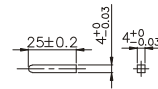
GEAR HEAD

K8G□B(C)



• KEY

• KEY GROOVE



GEARHEADS

DIMENSIONS

K8IG25N□ + K8G□B(C)



K8IG25N□-T(-T5) + K8G□B(C)



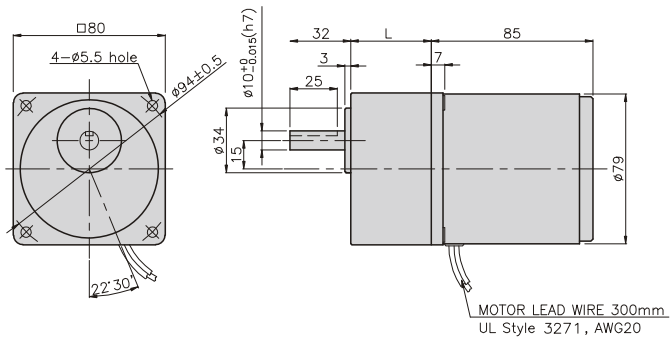
DIMENSION TABLE

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)



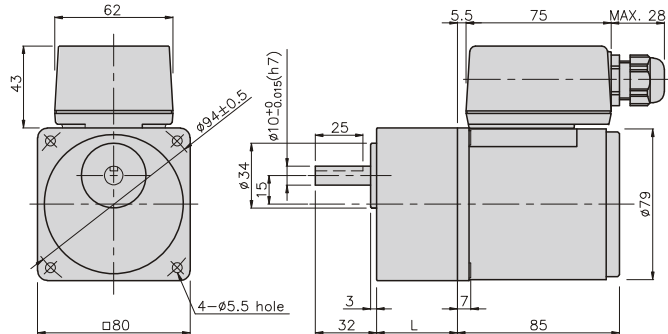
DIMENSION TABLE

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 60
03	32	K8G10BX	M5 P0,8 X 95

WEIGHT

PART	WEIGHT(kg)	
MOTOR	1,76	
DECIMAL GEAR HEAD	0,46	
GEAR HEAD	K8G3~18B(C)	0,51
	K8G20~40B(C)	0,64
	K8G50~250B(C)	0,70

K8IG25N□-T + K8G□B(C)



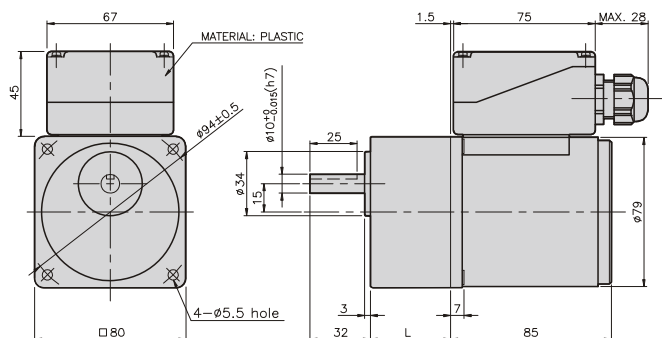
DIMENSION TABLE

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 60
03	32	K8G10BX	M5 P0,8 X 95

WEIGHT

PART	WEIGHT(kg)	
MOTOR	1,76	
DECIMAL GEAR HEAD	0,46	
GEAR HEAD	K8G3~18B(C)	0,51
	K8G20~40B(C)	0,64
	K8G50~250B(C)	0,70

K8IG25N□-T5 + K8G□B(C)



REVERSIBLE MOTOR

25W

□ 80mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K8RS25N□



K8RS25N□-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)
K8R□25NJ(-T, -T5)	100	50	0,65	0,15/1,5	0,195/1,95	1250	10
		60	0,74			1500	
K8R□25NU(-T, -T5)	110	60	0,51	0,13/1,3	0,165/1,65	1500	6
	115		0,54				
K8R□25NL(-T, -T5)	200	50	0,33	0,16/1,6	0,195/1,95	1250	2,5
		60	0,37			1550	
K8R□25NC(-T, -T5)	220	50	0,29	0,15/1,5	0,195/1,95	1250	2
		60	0,34			1500	
	230	50	0,35	0,165/1,65	0,195/1,95	1250	
		60	0,34			1500	
K8R□25ND(-T, -T5)	240	50	0,32	0,15/1,5	0,19/1,9	1300	1,5

* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

RATED TORQUE OF GEARHEAD

● 50Hz

unit = above : N · m / below : kgfcm

Model	Speed(rpm)	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
Motor/ Gearhead	Ratio	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□(-T, -T5) K8G□B(C)	0,46	0,55	0,77	0,92	1,15	1,39	1,54	1,92	2,31	2,77	2,77	3,46	4,16	4,99	5,54	6,23	7,48	8	8	8	8	8	8	8	8	8
	4,6	5,5	7,7	9,2	11,5	13,9	15,4	19,2	23,1	27,7	27,7	34,6	41,6	49,9	55,4	62,3	74,8	80	80	80	80	80	80	80	80	80

● 60Hz

unit = above : N · m / below : kgfcm

Model	Speed(rpm)	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
Motor/ Gearhead	Ratio	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□(-T, -T5) K8G□B(C)	0,39	0,47	0,65	0,78	0,97	1,17	1,30	1,62	1,94	2,33	2,33	2,92	3,50	4,20	4,67	5,25	6,30	7,87	8	8	8	8	8	8	8	8
	3,9	4,7	6,5	7,8	9,7	11,7	13,0	16,2	19,4	23,3	23,3	29,2	35,0	42,0	46,7	52,5	63,0	78,7	80	80	80	80	80	80	80	80

* Gearhead and decimal gearhead are sold separately.

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

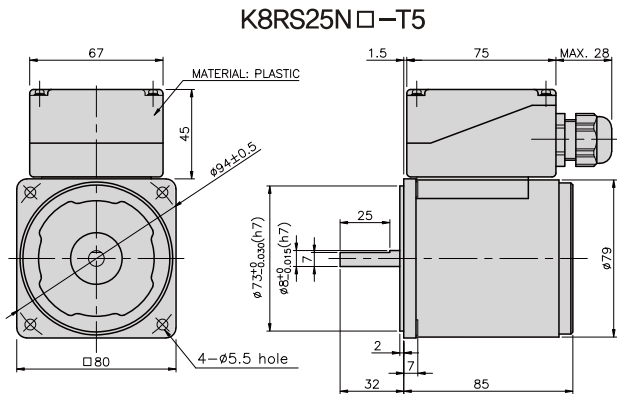
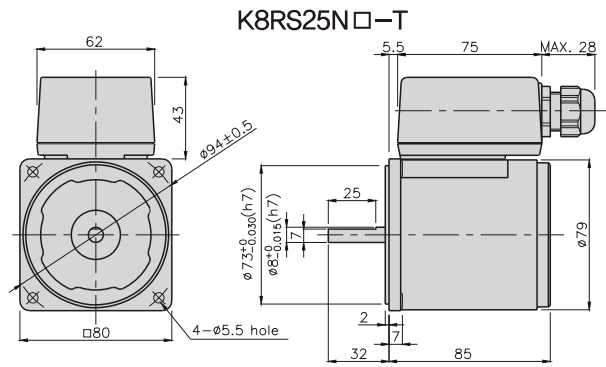
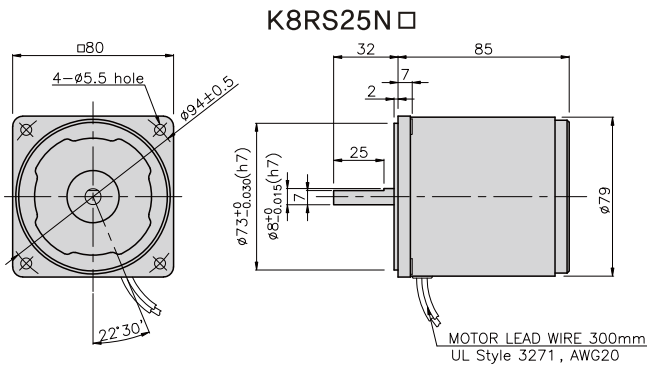
* color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.

* 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

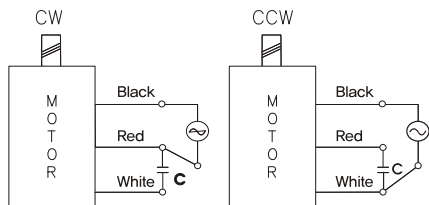


REVERSIBLE MOTORS

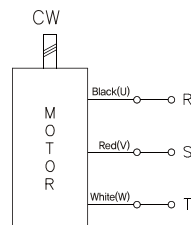
CONNECTION DIAGRAMS

K8RS25N□

single phase motor



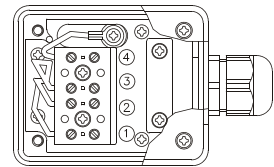
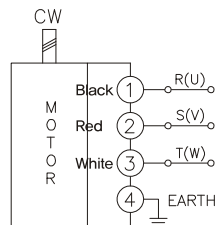
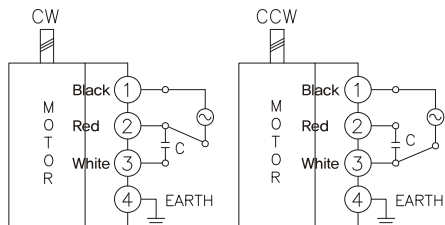
three phase motor



connecting two leadwires of U,V,W in turns

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

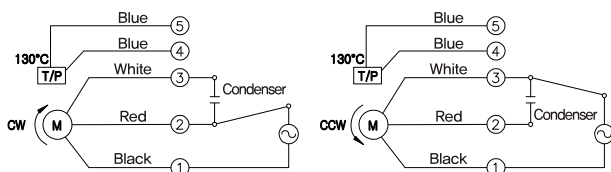
K8RS25N□-T



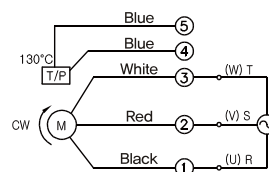
The direction of motor rotation is as viewed from the front shaft end of the motor

K8RS25N□-T5

single phase motor



three phase motor



connecting two leadwires of U,V,W in turns

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

GEARHEADS

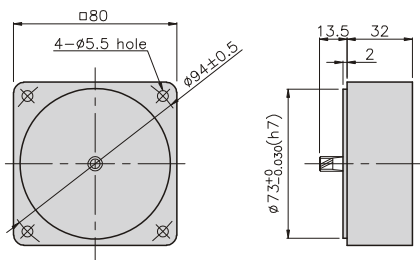
DIMENSIONS

K8G□B(C)



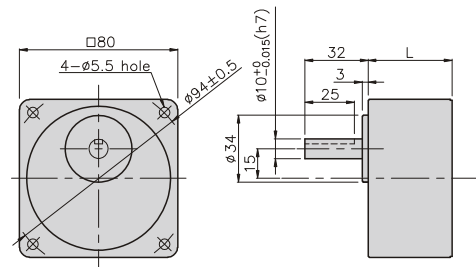
DECIMAL GEARHEAD

K8G10BX



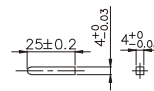
GEAR HEAD

K8G□B(C)



• KEY

• KEY GROOVE



GEARHEADS

DIMENSIONS

K8RG25N□ + K8G□B(C)



K8RG25N□-T(-T5) + K8G□B(C)



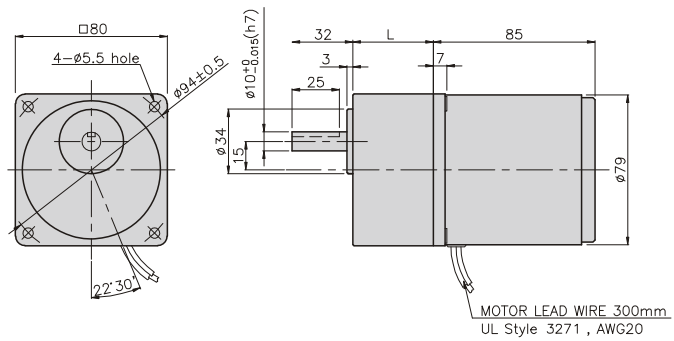
DIMENSION TABLE

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

K8RG25N□ + K8G□B(C)



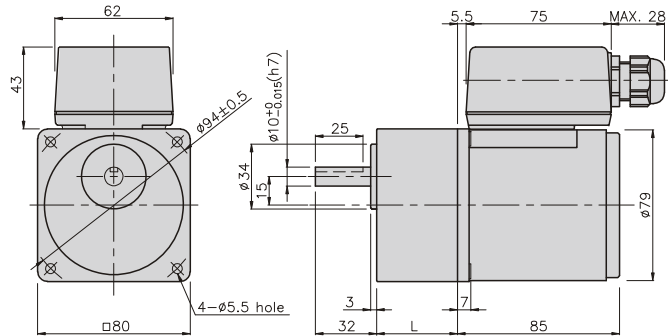
DIMENSION TABLE

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 60
03	32	K8G10BX	M5 P0,8 X 95

WEIGHT

PART	WEIGHT(kg)	
MOTOR	1,76	
DECIMAL GEAR HEAD	0,46	
GEAR HEAD	K8G3~18B(C)	0,51
	K8G20~40B(C)	0,64
	K8G50~250B(C)	0,70

K8RG25N□-T + K8G□B(C)



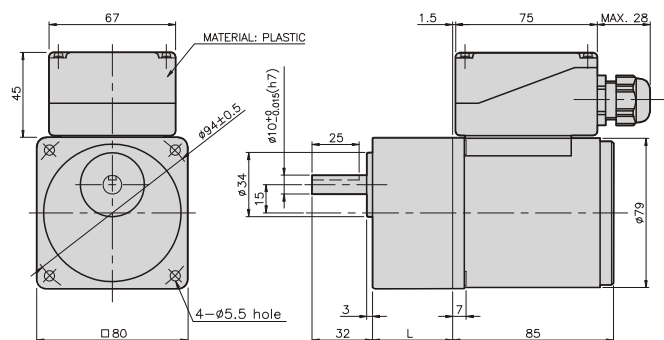
DIMENSION TABLE

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 60
03	32	K8G10BX	M5 P0,8 X 95

WEIGHT

PART	WEIGHT(kg)	
MOTOR	1,76	
DECIMAL GEAR HEAD	0,46	
GEAR HEAD	K8G3~18B(C)	0,51
	K8G20~40B(C)	0,64
	K8G50~250B(C)	0,70

K8RG25N□-T5 + K8G□B(C)

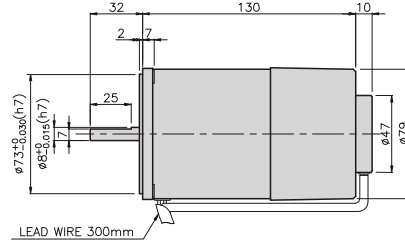
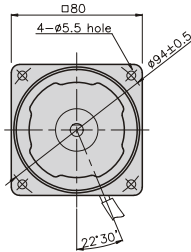


SPEED CONTROL & BRAKE MOTOR

25W

□80mm

K8RS25N□-D



SPECIFICATIONS

25W 30 minutes rating, four poles

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)
				1200rpm (N*m/ Kgf*cm)	90rpm (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
		60	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						0,75		
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
		60	90 ~ 1700	0,16/1,6	0,048/0,48		0,43		
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
		60	90 ~ 1700	0,16/1,6	0,048/0,48				
	230	50	90 ~ 1400	0,21/2,1	0,055/0,55	0,1/1			
		60	90 ~ 1700	0,16/1,6	0,048/0,48				
K8R□25ND-D	240	50	90 ~ 1400	0,21/2,1	0,05/0,55	0,09/0,9	0,43	1,5	0,4/4

* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

RATED TORQUE OF GEARHEAD

● Single-phase 100V/115V

unit = above : N · m / below : kgfcm

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 K8G□B(C)	1200	0,53 5,3	0,64 6,4	0,89 8,9	1,07 10,7	1,34 13,4	1,60 16,0	1,78 17,8	2,23 22,3	2,67 26,7	3,21 32,1	3,21 32,1	4,01 40,1	4,81 48,1	5,77 57,7	6,42 64,2	7,22 72,2	8 80	8 80	8 80	8 80	8 80	8 80	8 80	8 80	8 80
	90	0,15 1,5	0,17 1,7	0,24 2,4	0,29 2,9	0,36 3,6	0,44 4,4	0,49 4,9	0,61 6,1	0,73 7,3	0,87 8,7	0,87 8,7	1,09 10,9	1,31 13,1	1,57 15,7	1,75 17,5	1,97 19,7	2,36 23,6	2,95 29,5	3,54 35,4	3,94 39,4	4,72 47,2	5,90 59,0	7,09 70,9	8 80	8 80

● Single-phase 200V/240V

unit = above : N · m / below : kgfcm

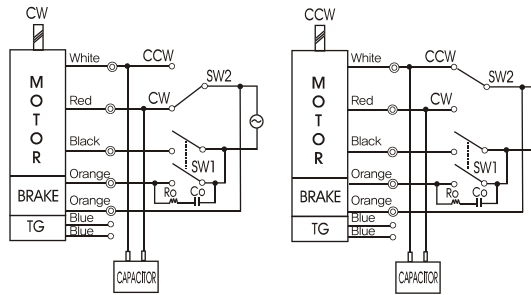
Model	Ratio	Speed(rpm)																								
		3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250
K8R□25N□-D K8G□B(C)	1200	200V/220V/230V/240V/50Hz	0,51 5,1	0,61 6,1	0,85 8,5	1,02 10,2	1,28 12,8	1,53 15,3	1,70 17,0	2,13 21,3	2,55 25,5	3,06 30,6	3,06 30,6	3,83 38,3	4,59 45,9	5,51 55,1	6,12 61,2	6,89 68,9	8 80	8 80	8 80	8 80	8 80	8 80	8 80	8 80
		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	1,62 16,2	1,94 19,4	2,33 23,3	2,33 23,3	2,92 29,2	3,50 35,0	4,20 42,0	4,67 46,7	5,25 52,5	6,30 63,0	7,87 78,7	8 80	8 80	8 80	8 80	8 80	8 80
	90	200V/220V/230V/50Hz	0,13 1,3	0,16 1,6	0,22 2,2	0,27 2,7	0,33 3,3	0,40 4,0	0,45 4,5	0,56 5,6	0,67 6,7	0,80 8,0	0,80 8,0	1,00 10,0	1,20 12,0	1,44 14,4	1,60 16,0	1,80 18,0	2,17 21,7	2,71 27,1	3,25 32,5	3,61 36,1	4,43 44,3	5,41 54,1	6,50 65,0	7,22 72,2
		200V/220V/230V/60Hz	0,12 1,2	0,14 1,4	0,19 1,9	0,23 2,3	0,29 2,9	0,35 3,5	0,39 3,9	0,49 4,9	0,58 5,8	0,70 7,0	0,70 7,0	0,87 8,7	1,05 10,5	1,26 12,6	1,40 14,0	1,57 15,7	1,89 18,9	2,36 23,6	2,83 28,3	3,15 31,5	3,78 37,8	4,72 47,2	5,67 56,7	6,30 63,0

- * 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

CONNECTION DIAGRAMS

Connect Cr circuit for absorbing surge voltage as connection diagram to protect contact point,
 $R_o = 5 - 200\Omega$
 $C_o = 0.1 \sim 0.2\mu F$ 200WV(400WV)



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

DIMENSIONS

K8G□B(C)

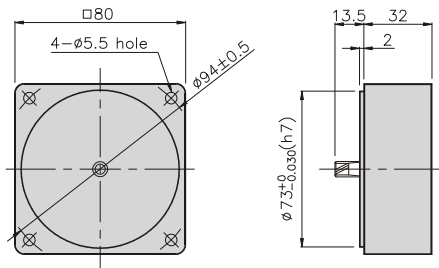


K8RG25N□-D + K8G□B(C)



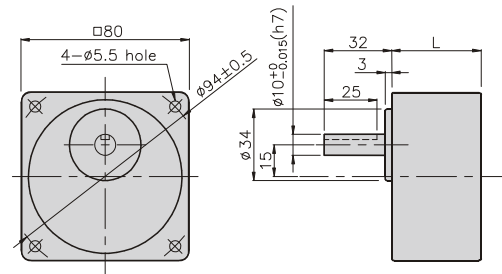
DECIMAL GEARHEAD

K8G10BX



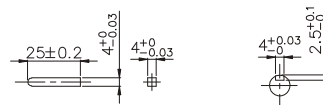
GEARHEAD

K8G□B(C)



• KEY

• KEY GROOVE



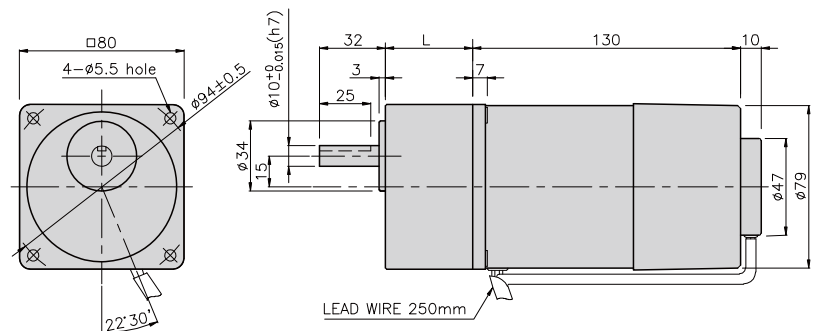
DIMENSION TABLE

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	1,94	
DECIMAL GEAR HEAD	0,46	
GEAR HEAD	K8G3~18B(C)	0,51
	K8G20~40B(C)	0,64
	K8G50~250B(C)	0,70

K8RG25N□-D + K8G□B(C)



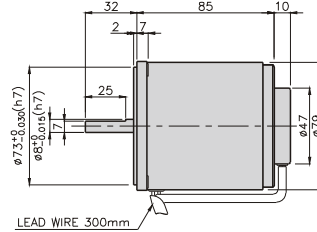
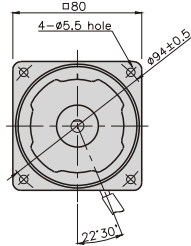
SPEED CONTROL MOTOR - SP SERIES

25W

□80mm

INDUCTION MOTOR

K8IS25N□-SP



SPECIFICATIONS

25W continuous rating, four poles

Model	Maximum Output(W)	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)				
K8I□25NJ-SP	25	100	50	90 ~ 1400	0,2/2	0,05/0,5	0,08/0,8	0,8	7	
			60	90 ~ 1700						
K8I□25NU-SP	25	110	60	90 ~ 1700	0,2/2	0,05/0,5	0,08/0,8	0,67	5	
		115						0,68		
K8I□25NL-SP	25	200	50	90 ~ 1400	0,19/1,9	0,047/0,47	0,085/0,085	0,36	1,8	
			60	90 ~ 1700	0,13/1,3	0,043/0,43		0,38		
K8I□25NC-SP	25	220	50	90 ~ 1400	0,19/1,9	0,047/0,47	0,08/0,8	0,38	1,5	
			60	90 ~ 1700	0,13/1,3	0,043/0,43		0,35		
			230	50	90 ~ 1400	0,19/1,9	0,047/0,47	0,087/0,87		0,4
				60	90 ~ 1700	0,13/1,3	0,043/0,43			0,36
K8I□25ND-SP	25	240	50	90 ~ 1400	0,19/1,9	0,047/0,47	0,08/0,8	0,42	1,2	

* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

RATED TORQUE OF GEARHEAD

● Single-phase 100V/115V

unit = above : N · m / below : kgfcm

Model Motor/Gearhead	Ratio Speed(rpm)	Ratio																									
		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	
K8IG25N□-SP K8G□B(C)	1200	0,49 4,9	0,58 5,8	0,81 8,1	0,97 9,7	1,22 12,2	1,46 14,6	1,62 16,2	2,03 20,3	2,43 24,3	2,92 29,2	2,92 29,2	3,65 36,5	4,37 43,7	5,25 52,5	5,83 58,3	6,56 65,6	7,87 78,7	8 80	8 80	8 80	8 80	8 80	8 80	8 80	8 80	8 80
	90	0,12 1,2	0,15 1,5	0,20 2,0	0,24 2,4	0,30 3,0	0,36 3,6	0,41 4,1	0,51 5,1	0,61 6,1	0,73 7,3	0,73 7,3	0,91 9,1	1,09 10,9	1,31 13,1	1,46 14,6	1,64 16,4	1,97 19,7	2,46 24,6	2,95 29,5	3,28 32,8	3,94 39,4	4,92 49,2	5,90 59,0	6,56 65,6	8 80	

● Single-phase 200V/240V

unit = above : N · m / below : kgfcm

Model Motor/Gearhead	Ratio Speed(rpm)	Ratio																										
		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		
K8IG25N□-SP K8G□B(C)	1200	200V/220V/230V/240V/50Hz	0,46 4,6	0,55 5,5	0,77 7,7	0,92 9,2	1,15 11,5	1,39 13,9	1,54 15,4	1,92 19,2	2,31 23,1	2,77 27,7	2,77 27,7	3,46 34,6	4,16 41,6	4,99 49,9	5,54 55,4	6,23 62,3	7,48 74,8	9,35 93,5	11,22 112,2	8 80	8 80	8 80	8 80	8 80	8 80	8 80
		200V/220V/230V/60Hz	0,32 3,2	0,38 3,8	0,53 5,3	0,63 6,3	0,79 7,9	0,95 9,5	1,05 10,5	1,32 13,2	1,58 15,8	1,90 19,0	1,90 19,0	2,37 23,7	2,84 28,4	3,41 34,1	3,79 37,9	4,26 42,6	5,12 51,2	6,40 64,0	7,68 76,8	8 80	8 80	8 80	8 80	8 80	8 80	8 80
	90	200V/220V/230V/240V/50Hz	0,11 1,1	0,14 1,4	0,19 1,9	0,23 2,3	0,29 2,9	0,34 3,4	0,38 3,8	0,48 4,8	0,57 5,7	0,69 6,9	0,69 6,9	0,86 8,6	1,03 10,3	1,23 12,3	1,37 13,7	1,54 15,4	1,85 18,5	2,31 23,1	2,78 27,8	3,08 30,8	3,70 37,0	4,63 46,3	5,55 55,5	6,17 61,7	7,71 77,1	
		200V/220V/230V/60Hz	0,10 1,0	0,13 1,3	0,17 1,7	0,21 2,1	0,26 2,6	0,31 3,1	0,35 3,5	0,44 4,4	0,52 5,2	0,63 6,3	0,63 6,3	0,78 7,8	0,94 9,4	1,13 11,3	1,25 12,5	1,41 14,1	1,69 16,9	2,12 21,2	2,54 25,4	2,82 28,2	3,39 33,9	4,23 42,3	5,08 50,8	5,64 56,4	7,05 70,5	

* Gearhead and decimal gearhead are sold separately.

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

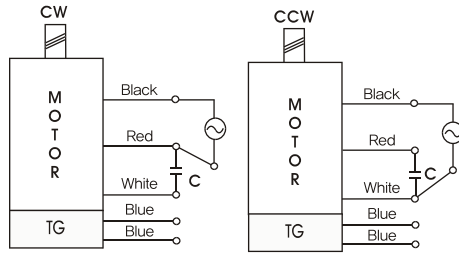
* ■ color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.

* 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

CONNECTION DIAGRAMS



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

DIMENSIONS

K8G□B(C)

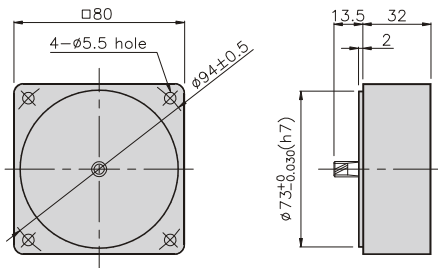


K8G25N□-SP + K8G□B(C)



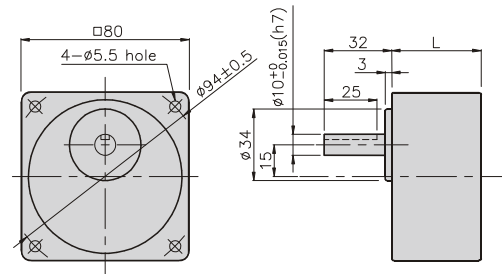
DECIMAL GEARHEAD

K8G10BX



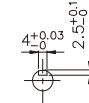
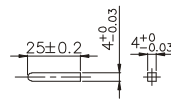
GEARHEAD

K8G□B(C)



• KEY

• KEY GROOVE



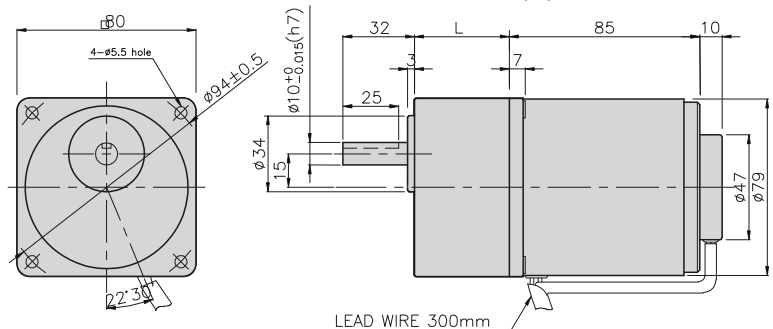
DIMENSION TABLE

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	1,60	
DECIMAL GEAR HEAD	0,46	
GEAR HEAD	K8G3~18B(C)	0,51
	K8G20~40B(C)	0,64
	K8G50~250B(C)	0,70

K8G25N□-SP + K8G□B(C)



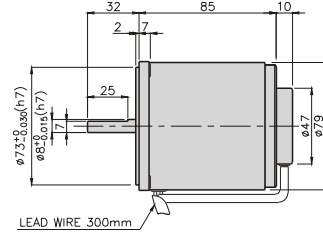
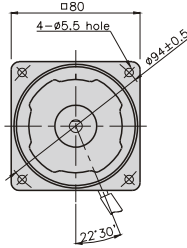
SPEED CONTROL MOTOR - SP SERIES

25W

□80mm

REVERSIBLE MOTOR

K8IS25N□-SP



SPECIFICATIONS

25W 30 minutes rating, four poles

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)			
K8R□25NJ-SP	100	50	90 ~ 1400	0,22/2,2	0,06/0,6	0,105/1,05	0,85	10
			90 ~ 1700					
K8R□25NU-SP	110	60	90 ~ 1700	0,22/2,2	0,06/0,6	0,1/1	0,7	6
	115						0,75	
K8R□25NL-SP	200	50	90 ~ 1400	0,21/2,1	0,055/0,55	0,11,1,1	0,4	2,5
			90 ~ 1700				0,048/0,48	
K8R□25NC-SP	220	50	90 ~ 1400	0,21/2,1	0,055/0,55	0,09/0,9	0,4	2
			90 ~ 1700					
		50	90 ~ 1400	0,21/2,1	0,055/0,55	0,1/1		
			90 ~ 1700					
K8R□25ND-SP	240	50	90 ~ 1400	0,21,2,1	0,055/0,55	0,09/0,9	0,43	1,5

* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

RATED TORQUE OF GEARHEAD

● Single-phase 100V/115V

unit = above : N · m / below : kgfcm

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□-SP K8G□B(C)	1200	0,53 5,3	0,64 6,4	0,89 8,9	1,07 10,7	1,34 13,4	1,60 16,0	1,78 17,8	2,23 22,3	2,67 26,7	3,21 32,1	3,21 32,1	4,01 40,1	4,81 48,1	5,77 57,7	6,42 64,2	7,22 72,2	8 80	8 80	8 80	8 80	8 80	8 80	8 80	8 80	8 80	8 80
	90	0,15 1,5	0,17 1,7	0,24 2,4	0,29 2,9	0,36 3,6	0,44 4,4	0,49 4,9	0,61 6,1	0,73 7,3	0,87 8,7	0,87 8,7	1,09 10,9	1,31 13,1	1,57 15,7	1,75 17,5	1,97 19,7	2,36 23,6	2,95 29,5	3,54 35,4	3,94 39,4	4,72 47,2	5,90 59,0	7,09 70,9	8 80	8 80	8 80

● Single-phase 200V/240V

unit = above : N · m / below : kgfcm

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□-SP K8G□B(C)	1200	200V/220V/230V/240V/50Hz	0,51 5,1	0,61 6,1	0,85 8,5	1,02 10,2	1,28 12,8	1,53 15,3	1,70 17,0	2,13 21,3	2,55 25,5	3,06 30,6	3,06 30,6	3,83 38,3	4,59 45,9	5,51 55,1	6,12 61,2	6,89 68,9	8 80	8 80	8 80	8 80	8 80	8 80	8 80	8 80	8 80
		200V/220V/230V/240V/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	1,62 16,2	1,94 19,4	2,33 23,3	2,33 23,3	2,92 29,2	3,50 35,0	4,20 42,0	4,67 46,7	5,25 52,5	6,30 63,0	7,87 78,7	8 80	8 80	8 80	8 80	8 80	8 80	8 80
	90	200V/220V/230V/240V/50Hz	0,13 1,3	0,16 1,6	0,22 2,2	0,27 2,7	0,33 3,3	0,40 4,0	0,45 4,5	0,56 5,6	0,67 6,7	0,80 8,0	0,80 8,0	1,00 10,0	1,20 12,0	1,44 14,4	1,60 16,0	1,80 18,0	2,17 21,7	2,71 27,1	3,25 32,5	3,61 36,1	4,33 43,3	5,41 54,1	6,50 65,0	7,22 72,2	8 80
		200V/220V/230V/240V/60Hz	0,12 1,2	0,14 1,4	0,19 1,9	0,23 2,3	0,29 2,9	0,35 3,5	0,39 3,9	0,49 4,9	0,58 5,8	0,70 7,0	0,70 7,0	0,87 8,7	1,05 10,5	1,26 12,6	1,40 14,0	1,57 15,7	1,89 18,9	2,36 23,6	2,83 28,3	3,15 31,5	3,78 37,8	4,72 47,2	5,67 56,7	6,30 63,0	7,87 78,7

* Gearhead and decimal gearhead are sold separately.

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

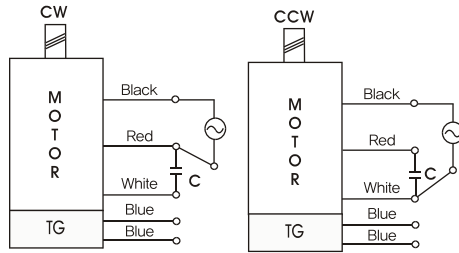
* color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.

* 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

CONNECTION DIAGRAMS



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

DIMENSIONS

K8G□B(C)

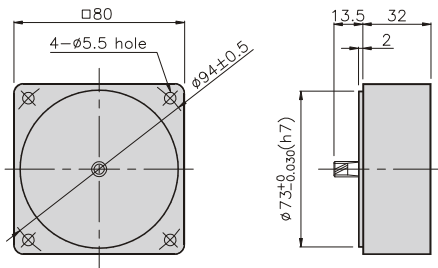


K8RG25N□-SP + K8G□B(C)



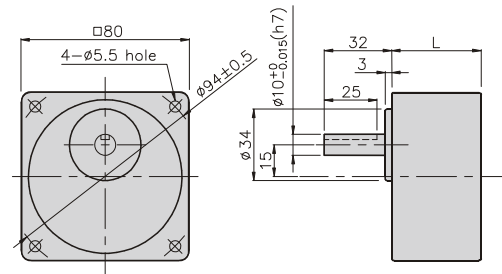
DECIMAL GEARHEAD

K8G10BX



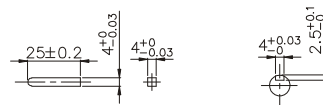
GEARHEAD

K8G□B(C)



• KEY

• KEY GROOVE



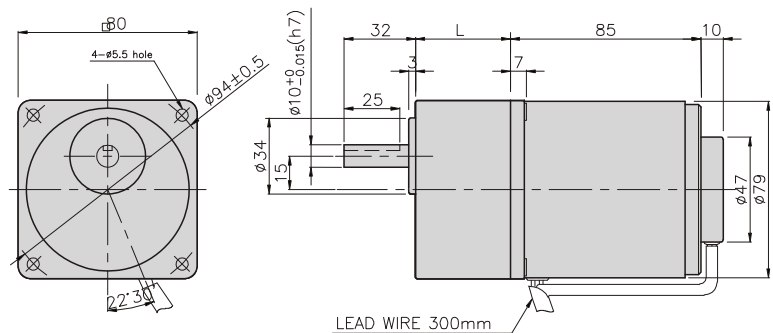
DIMENSION TABLE

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	1.60	
DECIMAL GEAR HEAD	0.46	
GEAR HEAD	K8G3~18B(C)	0.51
	K8G20~40B(C)	0.64
	K8G50~250B(C)	0.70

K8RG25N□-SP + K8G□B(C)

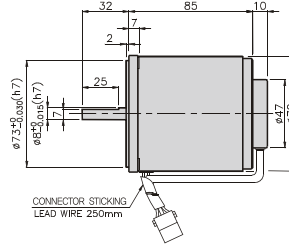
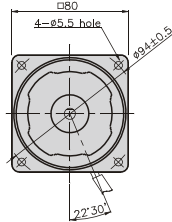


SPEED CONTROL MOTOR - SU SERIES

25W

□80mm

K8□S25N□-SU



SPECIFICATIONS

25W continuous rating, four poles

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)			
K8□25NJ-SU	100	50	90 ~ 1400	0.2/2	0.05/0.5	0.08 0.8	0.8	7
		60	90 ~ 1700					
K8□25NU-SU	110	60	90 ~ 1700	0.2/2	0.05/0.5	0.08 0.8	0.67	5
	115						0.68	
K8□25NL-SU	200	50	90 ~ 1400	0.19/1.9	0.047/0.47	0.085 0.085	0.36	1.8
		60	90 ~ 1700	0.13/1.3	0.043/0.43		0.38	
K8□25NC-SU	220	50	90 ~ 1400	0.19/1.9	0.047/0.47	0.08 0.8	0.38	1.5
		60	90 ~ 1700	0.13/1.3	0.043/0.43		0.35	
	230	50	90 ~ 1400	0.19/1.9	0.047/0.47	0.087 0.87	0.4	
		60	90 ~ 1700	0.13/1.3	0.043/0.43		0.36	
K8□25ND-SU	240	50	90 ~ 1400	0.19/1.9	0.047/0.47	0.08 0.8	0.42	1.2

* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

RATED TORQUE OF GEARHEAD

● Single-phase 100V/115V

unit = above : N·m / below : kgfcm

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
K8□25N□-SU K8G□B(C)	1200	0.49 4.9	0.58 5.8	0.81 8.1	0.97 9.7	1.22 12.2	1.46 14.6	1.62 16.2	2.03 20.3	2.43 24.3	2.92 29.2	2.92 29.2	3.65 36.5	4.37 43.7	5.25 52.5	5.83 58.3	6.56 65.6	7.87 78.7	8 80	8 80	8 80	8 80	8 80	8 80	8 80	8 80
	90	0.12 1.2	0.15 1.5	0.20 2.0	0.24 2.4	0.30 3.0	0.36 3.6	0.41 4.1	0.51 5.1	0.61 6.1	0.73 7.3	0.73 7.3	0.91 9.1	1.09 10.9	1.31 13.1	1.46 14.6	1.64 16.4	1.97 19.7	2.46 24.6	2.95 29.5	3.28 32.8	3.94 39.4	4.92 49.2	5.90 59.0	6.56 65.6	8 80

● Single-phase 200V/240V

unit = above : N·m / below : kgfcm

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	
K8□25N□-SU K8G□B(C)	1200	200V/220V/230V 240V/50Hz	0.46 4.6	0.55 5.5	0.77 7.7	0.92 9.2	1.15 11.5	1.39 13.9	1.54 15.4	1.92 19.2	2.31 23.1	2.77 27.7	2.77 27.7	3.46 34.6	4.16 41.6	4.99 49.9	5.54 55.4	6.23 62.3	7.48 74.8	9.35 93.5	11.22 112.2	8 80	8 80	8 80	8 80	8 80	8 80
		200V/220V 230V/60Hz	0.32 3.2	0.38 3.8	0.53 5.3	0.63 6.3	0.79 7.9	0.95 9.5	1.05 10.5	1.32 13.2	1.58 15.8	1.90 19.0	1.90 19.0	2.37 23.7	2.84 28.4	3.41 34.1	3.79 37.9	4.26 42.6	5.12 51.2	6.40 64.0	7.68 76.8	8 80	8 80	8 80	8 80	8 80	8 80
	90	200V/220V/230V 240V/50Hz	0.11 1.1	0.14 1.4	0.19 1.9	0.23 2.3	0.29 2.9	0.34 3.4	0.38 3.8	0.48 4.8	0.57 5.7	0.69 6.9	0.69 6.9	0.86 8.6	1.03 10.3	1.23 12.3	1.37 13.7	1.54 15.4	1.85 18.5	2.31 23.1	2.78 27.8	3.08 30.8	3.70 37.0	4.63 46.3	5.55 55.5	6.17 61.7	7.71 77.1
		200V/220V 230V/60Hz	0.10 1.0	0.13 1.3	0.17 1.7	0.21 2.1	0.26 2.6	0.31 3.1	0.35 3.5	0.44 4.4	0.52 5.2	0.63 6.3	0.63 6.3	0.78 7.8	0.94 9.4	1.13 11.3	1.25 12.5	1.41 14.1	1.69 16.9	2.12 21.2	2.54 25.4	2.82 28.2	3.39 33.9	4.23 42.3	5.08 50.8	5.64 56.4	7.05 70.5

* Gearhead and decimal gearhead are sold separately.

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

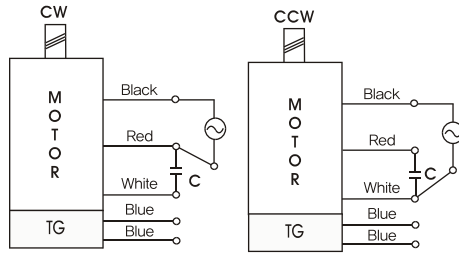
* ■ color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.

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* 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

CONNECTION DIAGRAMS



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

DIMENSIONS

K8G□B(C)

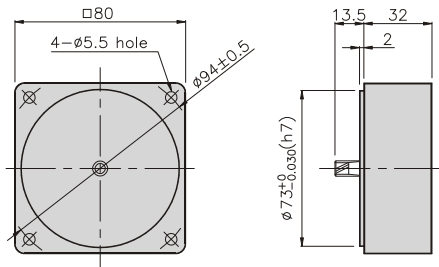


K8IG25N□-SU + K8G□B(C)



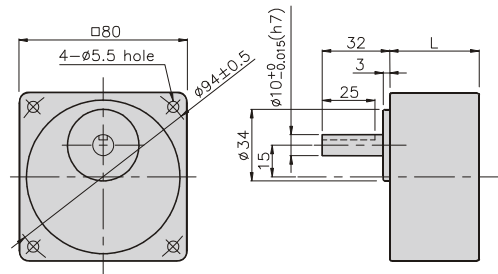
DECIMAL GEARHEAD

K8G10BX



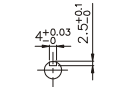
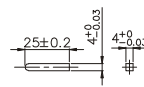
GEARHEAD

K8G□B(C)



• KEY

• KEY GROOVE



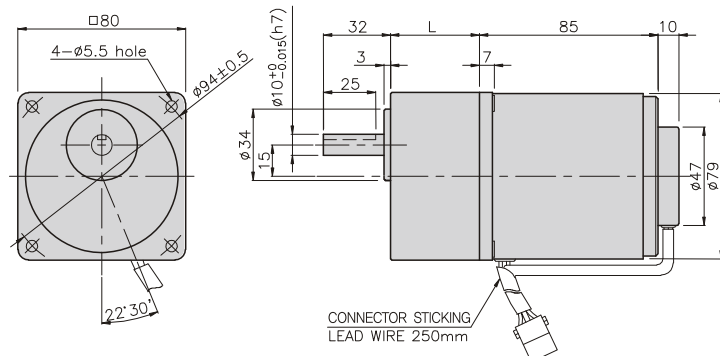
DIMENSION TABLE

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	1,60	
DECIMAL GEAR HEAD	0,46	
GEAR HEAD	K8G3~18B(C)	0,51
	K8G20~40B(C)	0,64
	K8G50~250B(C)	0,70

K8IG25N□-SU + K8G□B(C)



CONNECTOR STICKING,
LEAD WIRE 250mm

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)	
single-phase	100	50	0,59	0,11/1,1	0,195/1,95	1250	7	
		60	0,54		0,16/1,6	1550		
	110	60	0,48	0,09/0,9	0,165/1,65	1500	5	
			0,5					0,095/0,95
	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	
			60	0,26		0,16/1,6	1550	
	K8I□25N(-T, -T5)	240	50	0,3	0,11/1,1	0,195/1,95	1250	1,2
	three-phase	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□25NM(-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□25NV(-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□25NQ(-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□25NZ(-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□25N(-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)	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
	Ratio	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
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	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)	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
	Ratio	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
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	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	80

* Gearhead and decimal gearhead are sold separately.

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

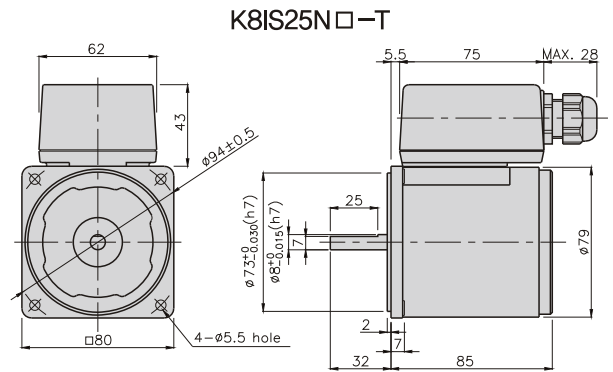
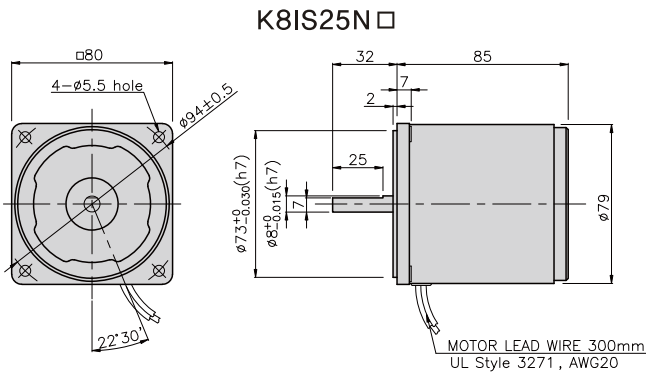
* color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.

* 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.

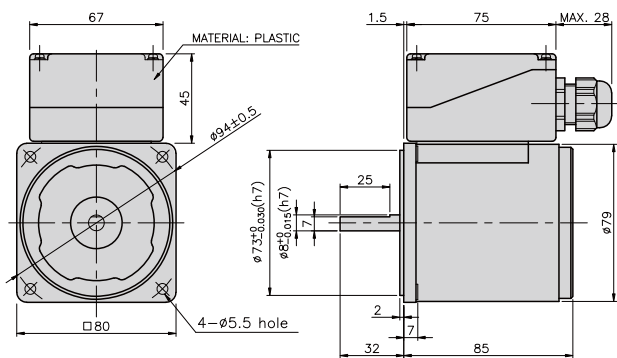
* RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.

GEARHEADS

DIMENSIONS



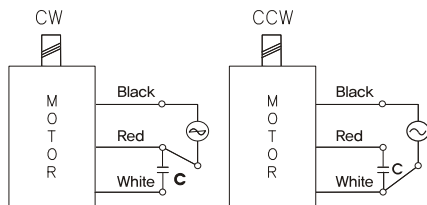
K8IS25N□-T5



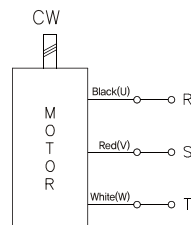
CONNECTION DIAGRAMS

K8IS25N□

single phase motor



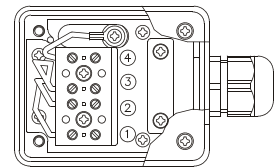
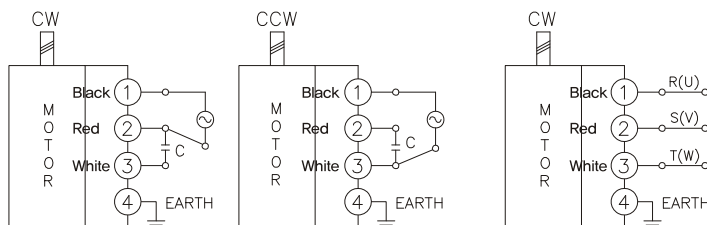
three phase motor



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

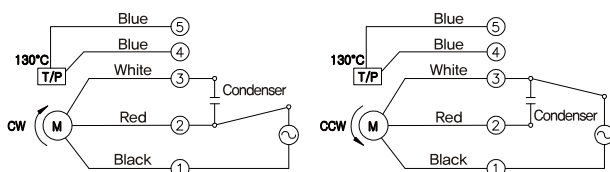
K8IS25N□-T



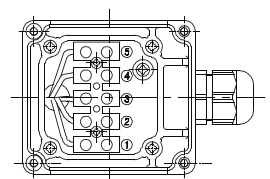
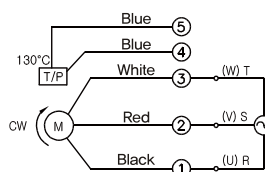
The direction of motor rotation is as viewed from the front shaft end of the motor

K8IS25N□-T5

single phase motor



three phase motor



connecting two leadwires of U,V,W in turns

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

GEARHEADS

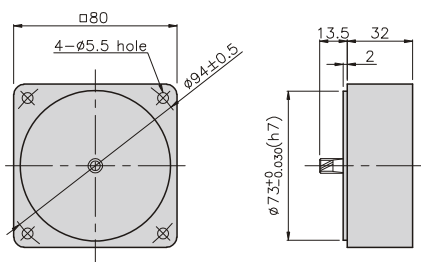
DIMENSIONS

K8G□B(C)



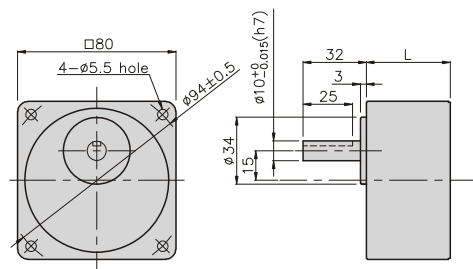
DECIMAL GEARHEAD

K8G10BX



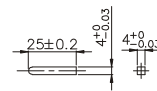
GEAR HEAD

K8G□B(C)



• KEY

• KEY GROOVE



GEARHEADS

DIMENSIONS

K8IG25N□ + K8G□B(C)



K8IG25N□-T(-T5) + K8G□B(C)



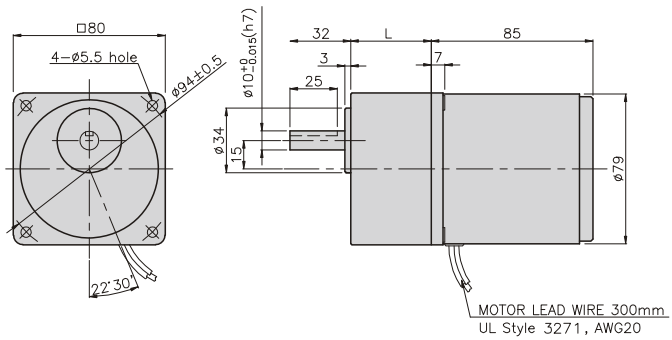
DIMENSION TABLE

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)



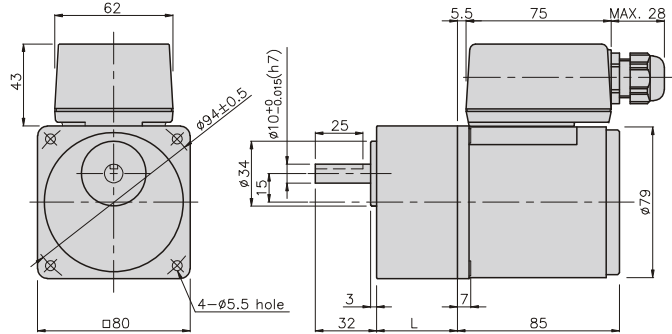
DIMENSION TABLE

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 60
03	32	K8G10BX	M5 P0,8 X 95

WEIGHT

PART	WEIGHT(kg)	
MOTOR	1,76	
DECIMAL GEAR HEAD	0,46	
GEAR HEAD	K8G3~18B(C)	0,51
	K8G20~40B(C)	0,64
	K8G50~250B(C)	0,70

K8IG25N□-T + K8G□B(C)



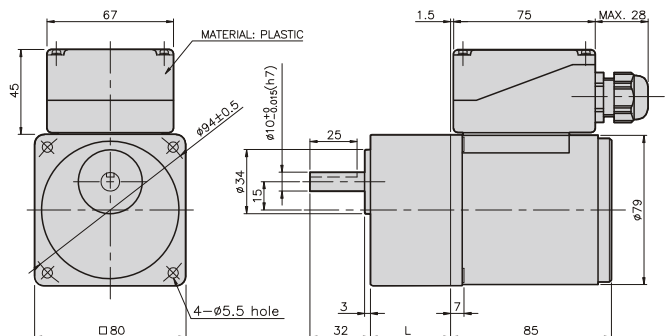
DIMENSION TABLE

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 60
03	32	K8G10BX	M5 P0,8 X 95

WEIGHT

PART	WEIGHT(kg)	
MOTOR	1,76	
DECIMAL GEAR HEAD	0,46	
GEAR HEAD	K8G3~18B(C)	0,51
	K8G20~40B(C)	0,64
	K8G50~250B(C)	0,70

K8IG25N□-T5 + K8G□B(C)



REVERSIBLE MOTOR

25W

□ 80mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K8RS25N□



K8RS25N□-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)
K8R□25NJ(-T, -T5)	100	50	0,65	0,15/1,5	0,195/1,95	1250	10
		60	0,74			1500	
K8R□25NU(-T, -T5)	110	60	0,51	0,13/1,3	0,165/1,65	1500	6
	115		0,54				
K8R□25NL(-T, -T5)	200	50	0,33	0,16/1,6	0,195/1,95	1250	2,5
		60	0,37			1550	
K8R□25NC(-T, -T5)	220	50	0,29	0,15/1,5	0,195/1,95	1250	2
		60	0,34			1500	
	230	50	0,35	0,165/1,65	0,195/1,95	1250	
		60	0,34			1500	
K8R□25ND(-T, -T5)	240	50	0,32	0,15/1,5	0,19/1,9	1300	1,5

* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

RATED TORQUE OF GEARHEAD

● 50Hz

unit = above : N · m / below : kgfcm

Model	Speed(rpm)	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
Motor/ Gearhead	Ratio	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□(-T, -T5) K8G□B(C)	0,46	0,55	0,77	0,92	1,15	1,39	1,54	1,92	2,31	2,77	2,77	3,46	4,16	4,99	5,54	6,23	7,48	8	8	8	8	8	8	8	8	8
	4,6	5,5	7,7	9,2	11,5	13,9	15,4	19,2	23,1	27,7	27,7	34,6	41,6	49,9	55,4	62,3	74,8	80	80	80	80	80	80	80	80	80

● 60Hz

unit = above : N · m / below : kgfcm

Model	Speed(rpm)	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
Motor/ Gearhead	Ratio	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□(-T, -T5) K8G□B(C)	0,39	0,47	0,65	0,78	0,97	1,17	1,30	1,62	1,94	2,33	2,33	2,92	3,50	4,20	4,67	5,25	6,30	7,87	8	8	8	8	8	8	8	8
	3,9	4,7	6,5	7,8	9,7	11,7	13,0	16,2	19,4	23,3	23,3	29,2	35,0	42,0	46,7	52,5	63,0	78,7	80	80	80	80	80	80	80	80

* Gearhead and decimal gearhead are sold separately.

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

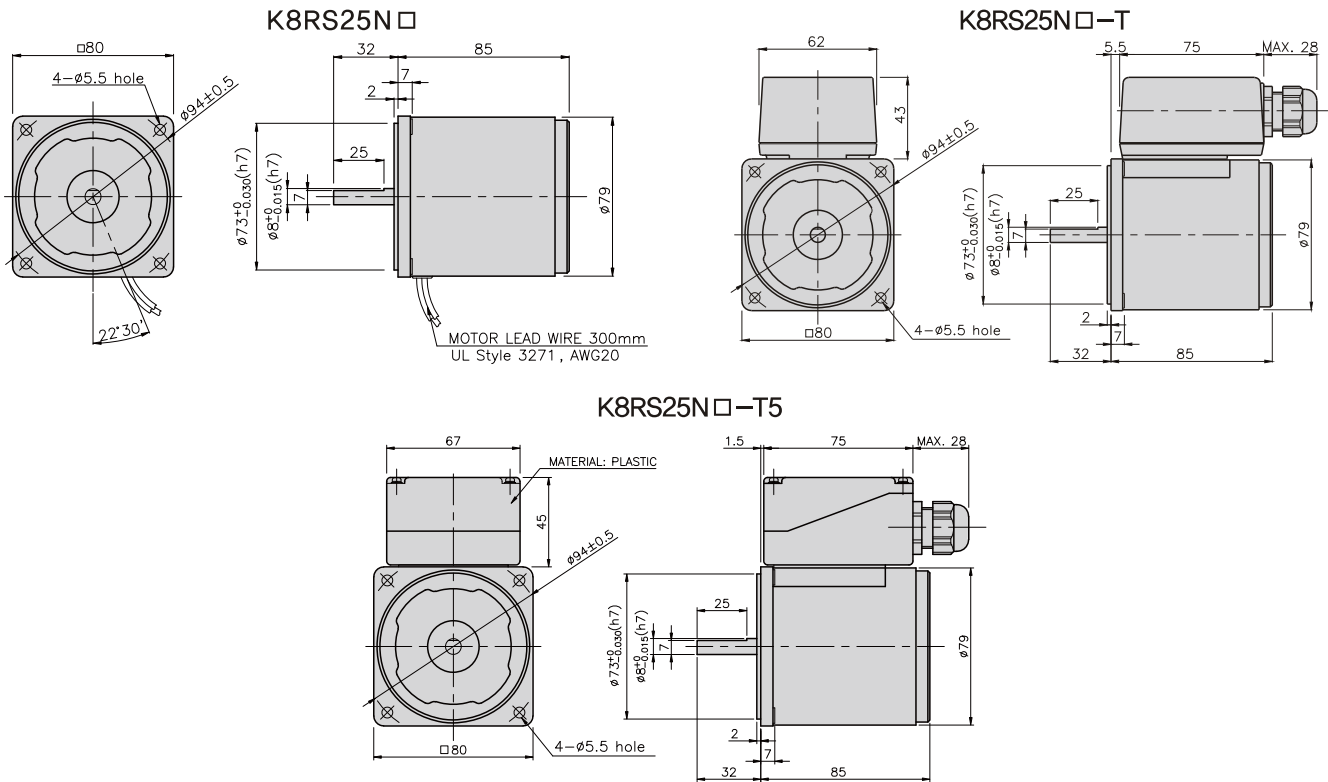
* color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.

* 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

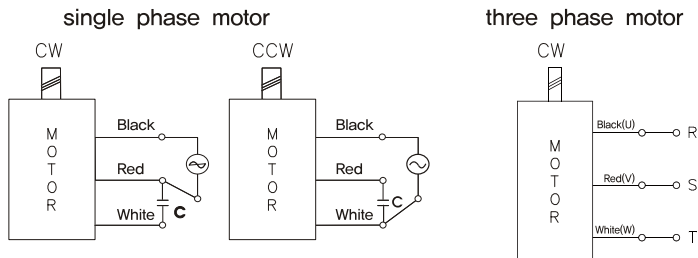
DIMENSIONS



REVERSIBLE MOTORS

CONNECTION DIAGRAMS

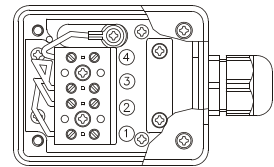
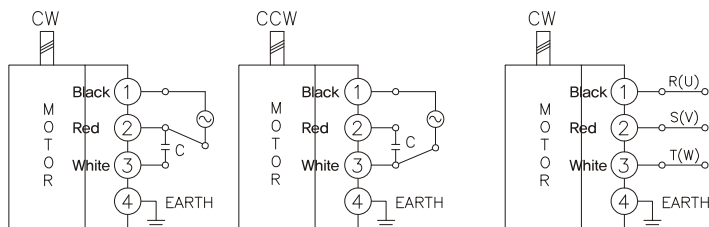
K8RS25N□



connecting two leadwires of U,V,W in turns

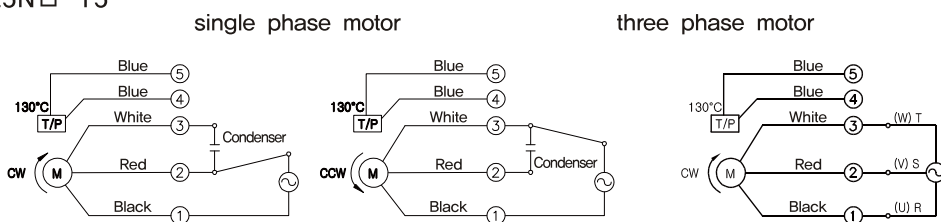
The direction of motor rotation is as viewed from the front shaft end of the motor

K8RS25N□-T



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

K8RS25N□-T5



connecting two leadwires of U,V,W in turns

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

GEARHEADS

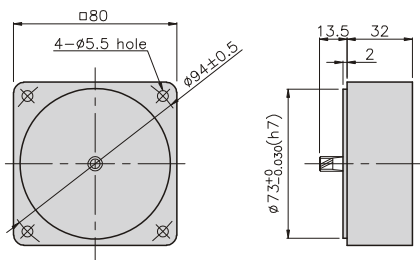
DIMENSIONS

K8G□B(C)



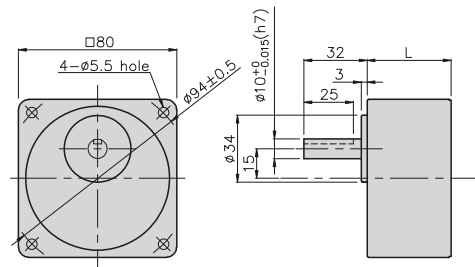
DECIMAL GEARHEAD

K8G10BX



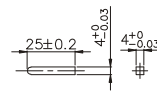
GEAR HEAD

K8G□B(C)



• KEY

• KEY GROOVE



GEARHEADS

DIMENSIONS

K8RG25N□ + K8G□B(C)



K8RG25N□-T(-T5) + K8G□B(C)



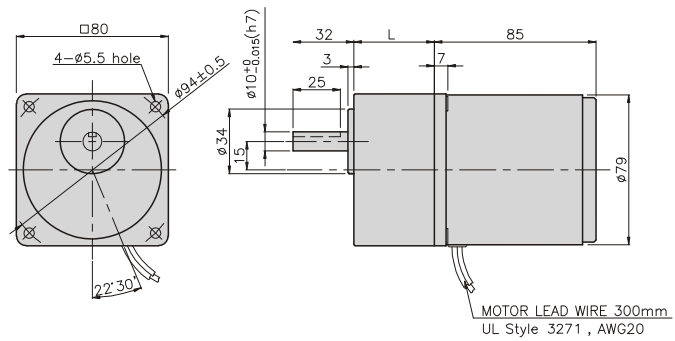
DIMENSION TABLE

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

K8RG25N□ + K8G□B(C)



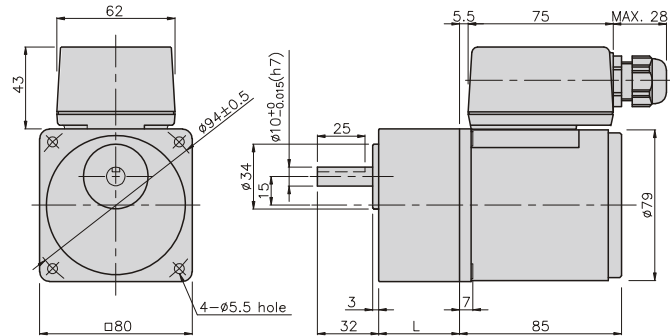
DIMENSION TABLE

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 60
03	32	K8G10BX	M5 P0,8 X 95

WEIGHT

PART	WEIGHT(kg)	
MOTOR	1,76	
DECIMAL GEAR HEAD	0,46	
GEAR HEAD	K8G3~18B(C)	0,51
	K8G20~40B(C)	0,64
	K8G50~250B(C)	0,70

K8RG25N□-T + K8G□B(C)



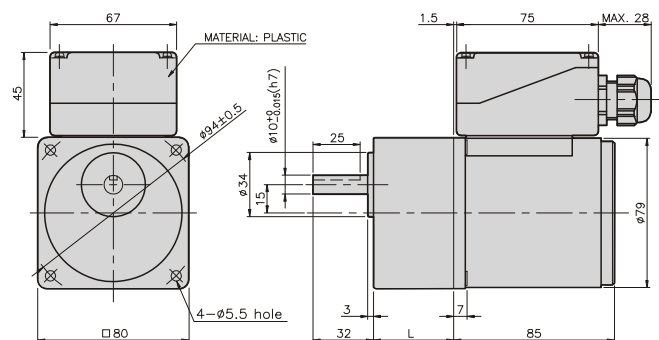
DIMENSION TABLE

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 60
03	32	K8G10BX	M5 P0,8 X 95

WEIGHT

PART	WEIGHT(kg)	
MOTOR	1,76	
DECIMAL GEAR HEAD	0,46	
GEAR HEAD	K8G3~18B(C)	0,51
	K8G20~40B(C)	0,64
	K8G50~250B(C)	0,70

K8RG25N□-T5 + K8G□B(C)



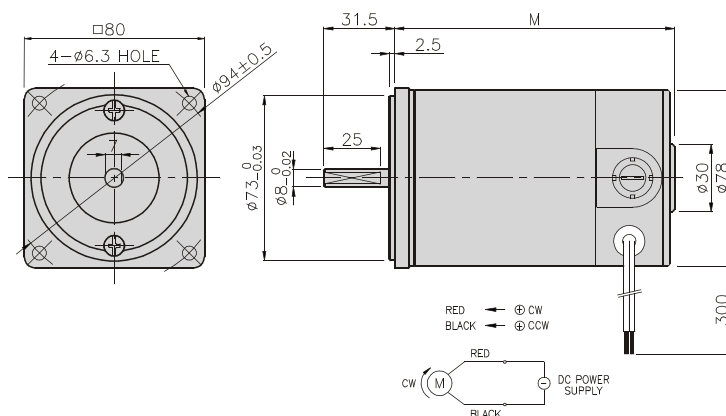
DC MOTORS

25W
~40W

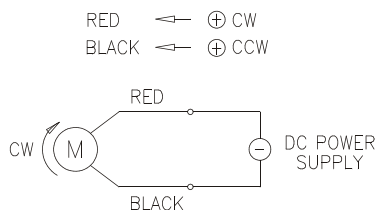
□80mm

DIMENSIONS

K8DS□N□



CONNECTION DIAGRAMS



DIMENSION TABLE

M	MOTOR
73	K6D□ 6N□
88	K6D□ 15N□

SPECIFICATIONS

Model	Output (W)	Voltage (V)	RATED			Starting Torque (kgf*cm)	Starting Current (A)
			Speed (rpm)	Torque (kgf*cm)	Current (A)		
K8D□25N1	25	12	3100	0,786	3,3	15,5	48
K8D□25N2		24	2900	0,840	1,9	18	29
K8D□25N3		90	3000	0,815	0,35	21,5	10
K8D□40N1	40	12	3000	1,3	4,8	15	47
K8D□40N2		24	3000		1,9	23	37
K8D□40N3		90	3000		0,6	24	11,5

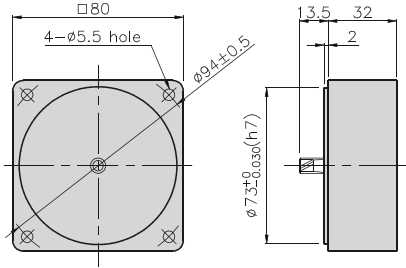
* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

GEARHEAD

DIMENSIONS

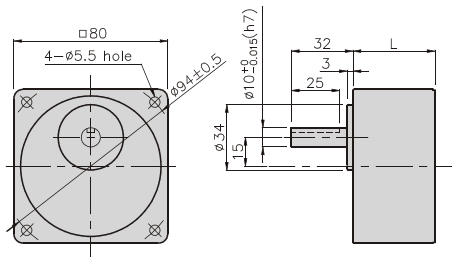
DECIMAL GEARHEAD

K8G10BX



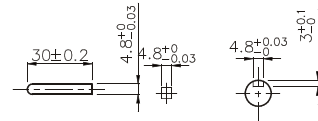
GEAR HEAD

K8G□B(C)

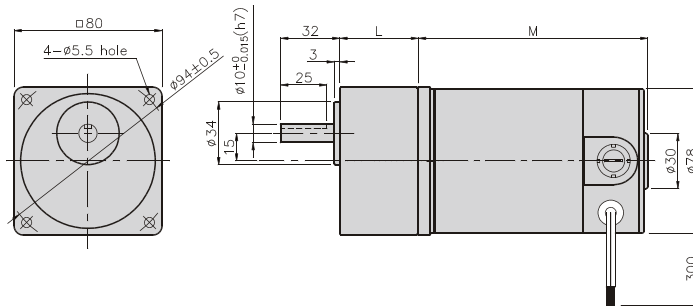


• KEY

• KEY GROOVE



K8DG□N□ + K8G□B(C)



DIMENSION TABLE

L	Application Model
32	K8G3~ 20B(C)
42,5	K8G25~ 250B(C)

RATED TORQUE OF GEARHEAD

● DC12V 25W

unit = above : N · m / below : kgfcm

Model Motor/ Gear head	Speed (rpm)	1033	861	620	517	413	344	310	248	207	172	155	124	103	86	78	62	52	41	34	31	26	21	17	16	12
		Ratio	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
K8DG25N1 K8G□B(C)		0,19 1,9	0,23 2,3	0,32 3,2	0,38 3,8	0,48 4,8	0,57 5,7	0,64 6,4	0,80 8,0	0,95 9,5	1,15 11,5	1,15 11,5	1,43 14,3	1,72 17,2	2,06 20,6	2,29 22,9	2,58 25,8	3,09 30,9	3,87 38,7	4,64 46,4	5,16 51,6	6,19 61,9	7,74 77,4	8 80	8 80	8 80

● DC24V 40W

unit = above : N · m / below : kgfcm

Model Motor/ Gear head	Speed (rpm)	967	806	580	483	387	322	290	232	193	161	145	116	97	81	73	58	48	39	32	29	24	19	16	15	12
		Ratio	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
K8DG25N2 K8G□B(C)		0,20 2,0	0,24 2,4	0,34 3,4	0,41 4,1	0,51 5,1	0,61 6,1	0,68 6,8	0,85 8,5	1,02 10,2	1,22 12,2	1,22 12,2	1,53 15,3	1,84 18,4	2,20 22,0	2,45 24,5	2,76 27,6	3,31 33,1	4,13 41,3	4,96 49,6	5,51 55,1	6,61 66,1	8 80	8 80	8 80	8 80

● DC90V 40W

unit = above : N · m / below : kgfcm

Model MOTOR/ GEAR HEAD	Speed (rpm)	1000	833	600	500	400	333	300	240	200	167	150	120	100	83	75	60	50	40	33	30	25	20	17	15	12
		Ratio	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
K8DG25N3 K8G□B(C)		0,20 2,0	0,24 2,4	0,33 3,3	0,40 4,0	0,50 5,0	0,59 5,9	0,66 6,6	0,83 8,3	0,99 9,9	1,19 11,9	1,19 11,9	1,49 14,9	1,78 17,8	2,14 21,4	2,38 23,8	2,67 26,7	3,21 32,1	4,01 40,1	4,81 48,1	5,35 53,5	6,42 64,2	8 80	8 80	8 80	8 80

● DC12V, DC24V, DC90V 40W

unit = above : N · m / below : kgfcm

Model MOTOR/ GEAR HEAD	Speed (rpm)	1000	833	600	500	400	333	300	240	200	167	150	120	100	83	75	60	50	40	33	30	25	20	17	15	12
		Ratio	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
K8DG40N□ K8G□B(C)		0,32 3,2	0,38 3,8	0,53 5,3	0,63 6,3	0,79 7,9	0,95 9,5	1,05 10,5	1,32 13,2	1,58 15,8	1,90 19,0	1,90 19,0	2,37 23,7	2,84 28,4	3,41 34,1	3,79 37,9	4,26 42,6	5,12 51,2	6,40 64,0	7,68 76,8	8 80	8 80	8 80	8 80	8 80	8 80