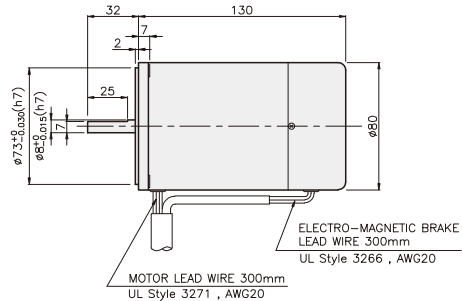
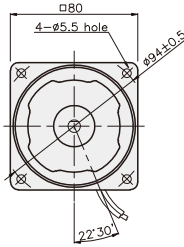


BRAKE MOTOR

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	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		0.54									
K8R□25NL-B			30 minutes	200	50	0.33	0.16/1.6			0.195/1.95	1250	2.5	0.4/4	
					60	0.37				0.16/1.6	1550			
K8R□25NC-B		50		0.29	0.15/1.5	0.195/1.95	1250	2	0.4/4					
				60		0.34	0.165/1.65			1500				
		230		50	0.35	0.165/1.65	0.195/1.95			1250				
				60	0.34		0.165/1.65			1500				
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	200	50	0.27	0.5/5	0.19/1.9	1300	-	0.4/4				
	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	1600						
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-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	1600							
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			1600				
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			1600				
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) * 3 phase motor for over 380 voltage can't be used with inverter. Motor winding insulation can be damaged.

RATED TORQUE OF GEARHEAD

● 50Hz

unit = above : N·m / below : Kgf·cm

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 : Kgf·cm

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.

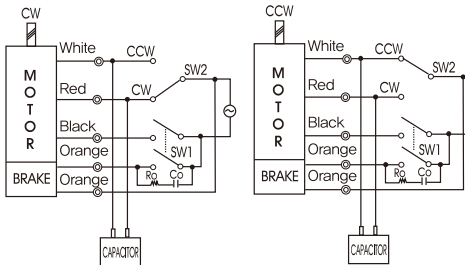
* If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth of the ratio, between the gearhead and the motor. In this case, the permissible torque is 8N·m/80kgf·cm. But, if you install 1/25~1/40 gearhead, the permissible torque is 6N·m/60kgf·cm.

* 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.

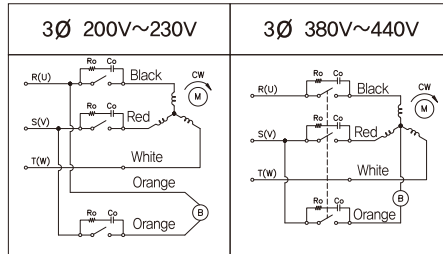
GEARHEADS

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)

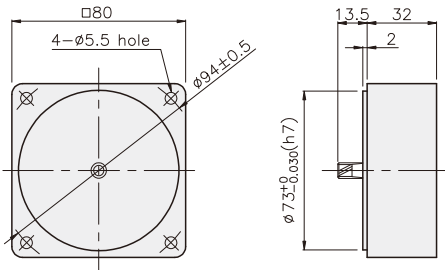


K8□G25N□-B + K8G□B(C)



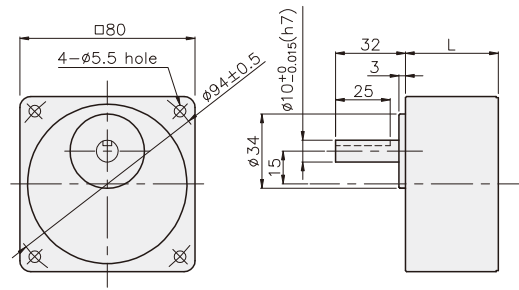
DECIMAL GEARHEAD

K8G10BX



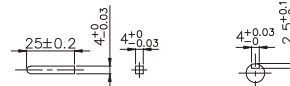
GEARHEAD

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)

