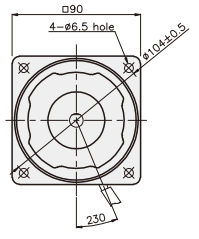
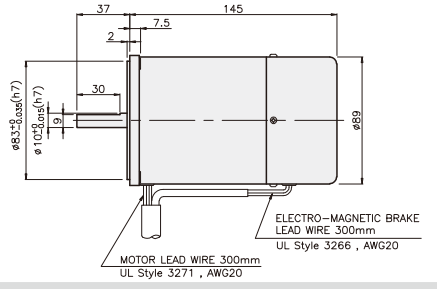
BRAKE MOTOR

40W □90mm

K9□S40N□-B





SPECIFICATIONS

40W 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)
K9R□40NJ-B	single-phase	30 minutes	100	50	1	0.3/3	0.315/3.15	1250	16	1/10
				60	1.13	0.33/3.3	0.255/2.55	1550		
K9R□40NU-B			110	60	0.8	0.2/2	0.26/2.6	1500	10	1/10
			115		0.83	0.22/2.2				
K9R□40NL-B			200	50	0.45	0.3/3	0.315/3.15	1250	4	1/10
				60	0.57		0.26/2.6	1500		
K9R□40NC-B			220	50	0.46	0.3/3	0.315/3.15	1250	3.5	1/10
				60	0.55	0.32/3.2	0.26/2.6	1500		
			230	50	0.55	0.4/4	0.315/3.15	1250		
				60	0.58	0.36/3.6	0.26/2.6	1500		
K9R□40ND-B			240	50	0.41	0.34/3.4	0.3/3	1300	3	1/10
K9I□40NT-B	three-phase	continuous	200	50	0.39	1/10	0.3/3	1300	-	1/10
				60	0.32	0.78/7.8	0.245/2.45	1600		
K9I□40NH-B			220	50	0.33	0.95/9.5	0.29/2.9	1350	-	1/10
				60	0.31	0.78/7.8	0.245/2.45	1600		
			230	50	0.41	1/10	0.29/2.9	1350		
				60	0.32	0.83/8.3	0.245/2.45	1600		
K9I□40NM-B			380	50	0.18	1/10	0.29/2.9	1350	-	1/10
				60		0.78/7.8	0.245/2.45	1600		
K9I□40NV-B			400	50	0.18	1.15/11.5	0.29/2.9	1350	-	1/10
				60	0.19	0.88/8.8	0.245/2.45	1600		
K9I□40NQ-B			415	50	0.16	0.95/9.5	0.29/2.9	1350	-	1/10
				60	0.14	0.72/7.2	0.245/2.45	1600		
K9I□40NZ-B			440	50	0.19	1/10	0.29/2.9	1350	-	1/10
				60	0.16	0.79/7.9	0.245/2.45	1600		

* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION) * NH-B which are in end of the model name is UL certified ones.UL FILE NO. E204632
* 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	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
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
K9□G40N□-B		0.70	0.85	1.17	1.41	1.76	2.11	2.35	2.94	3.52	4.23	4.23	5.29	6.34	7.61	8.46	10	10	10	10	10	10	10	10	10
K9G□B(C)		7.0	8.5	11.7	14.1	17.6	21.1	23.5	29.4	35.2	42.3	42.3	52.9	63.4	76.1	84.6	100	100	100	100	100	100	100	100	100

● 60Hz

unit = above : N·m / below : Kgf·cm

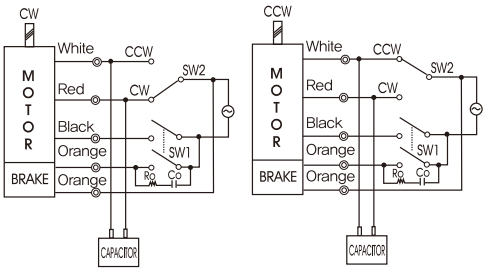
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9□G40N□-B		0.60	0.71	0.99	1.19	1.49	1.79	1.98	2.48	2.98	3.57	3.57	4.47	5.36	6.43	7.14	8.04	10	10	10	10	10	10	10	10
K9G□B(C)		6.0	7.1	9.9	11.9	14.9	17.9	19.8	24.8	29.8	35.7	35.7	44.7	53.6	64.3	71.4	80.4	100	100	100	100	100	100	100	100

* 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 10N·m/100kgf·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.

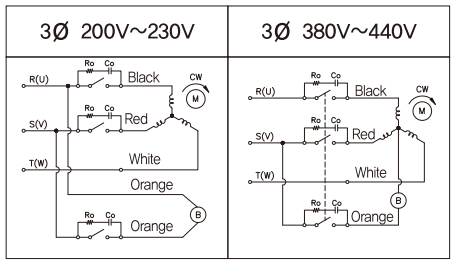
GEARHEADS

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.
Ro = 5 – 200Ω
Co = 0.1 ~ 0.2μF 200WV(400WV)

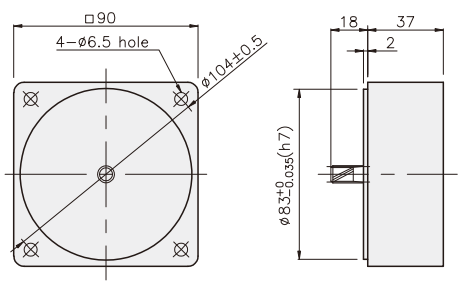
DIMENSIONS

K9G□B(C)

K9□G40N□–B + K9G□B(C)

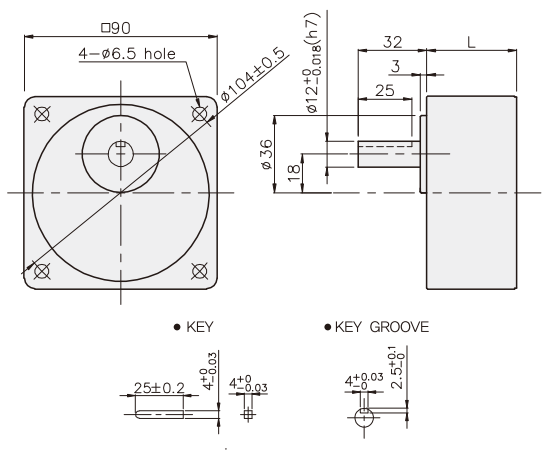
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

K9G□B(C)



DIMENSION TABLE

PART No	L	Application Model	Mounting BOLT
01	42	K9G3~18B(C)	M6 P1.0 X 65
02	60	K9G20~200B(C)	M6 P1.0 X 80
03	37	K9G10BX	M6 P1.0 X 120

WEIGHT

PART		WEIGHT(kg)
MOTOR		2.86
DECIMAL GEAR HEAD		0.60
GEAR HEAD	K9G3~18B(C)	0.78
	K9G20~40B(C)	1.04
	K9G50~200B(C)	1.14

K9□G40N□–B + K9G□B(C)