

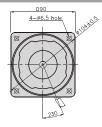
BRAKE MOTOR

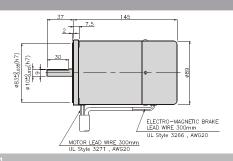


□90mm

K9□S40N□-B







SPECIFICATIONS

40W single-phase : 30 minutes rating, three-phase : continuous rating, four poles

Mode	əl	Duty	Voltage (V)	Frequency (Hz)	Current (A)	Start T <u>.</u> (N*m/ Kgf*cm)	Rated T. (N*m/ Kgf*cm)	Speed (rpm)	Condenser (µF)	Friction T. (N*m/ (Kgf*cm)
KODE AONII B			100	50	1	0.3/3	0.315/3.15	1250	10	1/10
K9R□40NJ-B			100	60	1.13	0.33/3.3	0.255/2.55	1550	16	1/10
K9R□40NU-B			110 115	60	0,8 0,83	0.2/2	0.26/2.6	1500	10	1/10
			113	50	0.45		0.315/3.15	1250		
K9R□40NL-B	single-phase	30 minutes	200	60	0.57	0.3/3	0.26/2.6	1500	4	1/10
		00 1111110100		50	0.46	0,3/3	0.315/3.15	1250		
			220	60	0.55	0.32/3.2	0.26/2.6	1500	1	
K9R□40NC-B				50	0.55	0.4/4	0.315/3.15	1250	3 <u>.</u> 5	1/10
			230	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
LOID 40NT D			200	50	0.39	1/10	0.3/3	1300	_	1/10
K9I□40NT–B			200	60	0,32	0.78/7.8	0.245/2.45	1600		1/10
			220	50	0.33	0.95/9.5	0.29/2.9	1350		
K9I□40NH–B			220	60	0.31	0.78/7.8	0.245/2.45	1600] _	1/10
K9ILI4UNII—B			230	50	0.41	1/10	0.29/2.9	1350		1/10
			230	60	0,32	0.83/8.3	0.245/2.45	1600		
K9I□40NM - B	three-phase	continuous	380	50	0,18	1/10	0.29/2.9	1350	_	1/10
NSILI 40 NIVIII-B	tillee pilase	COHIHIUOUS	360	60	0.10	0.78/7.8	0.245/2.45	1600		1/10
K9I□40NV–B			400	50	0.18	1,15/11.5	0.29/2.9	1350	_	1/10
N31114011V-B			400	60	0.19	0.88/8.8	0.245/2.45	1600		1,10
K9I□40NQ-B			415	50	0.16	0.95/9.5	0.29/2.9	1350	_	1/10
NOID40NG D			415	60	0.14	0.72/7.2	0.245/2.45	1600		1/10
K9I□40NZ-B			440	50	0.19	1/10	0.29/2.9	1350	_	1/10
TOIL FOITE D			4440	60	0.16	0.79/7.9	0.245/2.45	1600		'/'0

 $^{* \}square$: SHAFT SHAPE (S : STRAIGHT, G : PINION)

RATED TORQUE OF GEARHEAD

50Hz

unit = above : $N \cdot m$ / 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 <u>.</u> 3	7.5
Motor/ Gearhead	Ratio	3	3 <u>.</u> 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□G4	ON□-B	0 <u>.</u> 70	0,85	1 <u>.</u> 17	1.41	1 <u>.</u> 76	2 <u>.</u> 11	2,35	2,94	3 <u>.</u> 52	4 <u>.</u> 23	4.23	5 <u>.</u> 29	6 <u>.</u> 34	7 <u>.</u> 61	8 <u>.</u> 46	10	10	10	10	10	10	10	10	10
K9G	□B(C)	7 <u>.</u> 0	8 <u>.</u> 5	11 <u>.</u> 7	14.1	17 <u>.</u> 6	21.1	23 <u>.</u> 5	29 <u>.</u> 4	35 <u>.</u> 2	42 <u>.</u> 3	42 <u>.</u> 3	52 <u>.</u> 9	63,4	76 <u>.</u> 1	84.6	100	100	100	100	100	100	100	100	100

• 60Hz

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□G4	ON□-B	0 <u>.</u> 60	0.71	0 <u>.</u> 99	1,19	1 <u>.</u> 49	1,79	1 <u>.</u> 98	2,48	2,98	3 <u>.</u> 57	3.57	4.47	5 <u>.</u> 36	6.43	7.14	8.04	10	10	10	10	10	10	10	10
K9G	B(C)	6 <u>.</u> 0	7 <u>.</u> 1	9 <u>.</u> 9	11 <u>.</u> 9	14 <u>.</u> 9	17 <u>.</u> 9	19 <u>.</u> 8	24.8	29 <u>.</u> 8	35 <u>.</u> 7	35 <u>.</u> 7	44.7	53 <u>.</u> 6	64 <u>.</u> 3	71 <u>.</u> 4	80 <u>.</u> 4	100	100	100	100	100	100	100	100

- * Gearhead and decimal gearhead are sold separately.
- * The code in \square of gearhead model is for gear ratio.

 * \square 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.
- * 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.



CONNECTION DIAGRAMS

single phase motor cw White CCW CCW M O T O R Red CW_o Red O R Black Orange Orange BRAKE Orange BRAKE CAPACITOR CAPACITOR

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 = $5-200\Omega$ Co = $0.1\sim0.2\mu\text{F}$ 200WV(400WV)

DIMENSIONS

K9G□B(C)

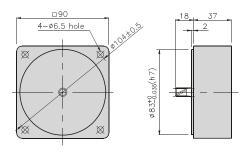


$K9\square G40N\square -B + K9G\square B(C)$



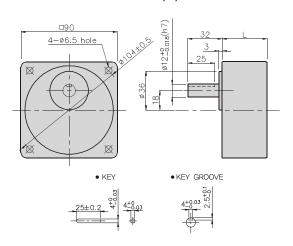
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

K9G□B(C)



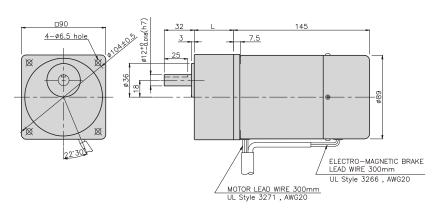
DIMENSION TABLE

PART No		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

WEIGI	***								
	PART	WEIGHT(kg)							
	MOTOR	2 <u>.</u> 86							
DECIM/	AL GEAR HEAD	0 <u>.</u> 60							
	K9G3~18B(C)	0,78							
GEAR HEAD	K9G20~40B(C)	1 <u>.</u> 04							
	K9G50~200B(C)	1 14							

$K9\square G40N\square -B + K9G\square B(C)$



INDUCTION MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS40N□



K9IS40N□-T, T5



SPECIFICATIONS

40W continuous rating, four poles

Terr cerum acae raung,	•	Valla a	F	0 1	Ctort T	Dotod T	0	Candanaar
Mode		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/ Kgf*Cm)	Rated T. (N*m/ Kgf*Cm)	Speed (rpm)	Condenser (µF)
K9I□40NJ(-T, -T5)		100	50	0,86	0.21/2.1	0.315/3.15	1250	12
K9I□40N3(=1, =15)		100	60	0.84	0.22/2.2	0.255/2.55	1550	12
K9I□40NU(-T, -T5)		110	60	0,65	0.19/1.9	0.255/2.55	1550	8
K91040N0(-1, -15)		115	00	0.68	0.2/2	0.255/2.55	1550	0
K9I□40NL(-T, -T5)		200	50	0.4	0.22/2.2	0.315/3.15	1250	3
131E40NE(1, 13)	single-phase	200	60	0 <u>.</u> 41	0,22/2.2	0.255/2.55	1550	3
		220	50	0.38	0.24/2.4	0.315/3.15	1250	
K9I□40NC(-T, -T5)		220	60	0.37	0.24/2.4	0.255/2.55	1550	2 <u>.</u> 5
K91040NC(-1, -13)		230	50	0.4	0.26/2.6	0.315/3.15	1250	2.5
		230	60	0.38	0.20/2.0	0.255/2.55	1550	
K9I□40ND(-T, -T5)		240	50	0,39	0.2/2	0.3/3	1300	2
K9I□40NT(-T, -T5)		200	50	0.39	1/10	0.3/3	1300	_
K91 40 N1(-1, -15)		200	60	0,32	0.78/7.8	0.245/2.45	1600	
]	220	50	0,33	0.95/9.5	0.29/2.9	1350	
K9I□40NH(-T, -T5)		220	60	0.31	0.78/7.8	0.245/2.45	1600	_
K9I□40NH(−1, −15)		220	50	0.41	1/10	0.29/2.9	1350	
		230	60	0,32	0.83/8.3	0.245/2.45	1600]
K9I□40NM(-T, -T5)	three-phase	380	50	0.10	1/10	0.29/2.9	1350	_
K9I□40INN(=1, =15)	i illee-pilase	300	60	0.18	0.78/7.8	0.245/2.45	1600]
K9I□40NV(-T, -T5)		400	50	0.18	1.15/11.5	0.29/2.9	1350	_
K9114011V(-1, -15)		400	60	0.19	0.88/8.8	0.245/2.45	1600	
K9I□40NQ(-T, -T5)		415	50	0.16	0.95/9.5	0.29/2.9	1350	_
K91040NQ(-1, -15)		415	60	0.14	0.72/7.2	0.245/2.45	1600	<u> </u>
K9I□40NZ(-T, -T5)		440	50	0.19	1/10	0.29/2.9	1350	_
NSILI40INZ(-1, -15)		440	60	0,16	0.79/7.9	0.245/2.45	1600	

^{* :} SHAFT SHAPE (S : STRAIGHT, G : PINION)

RATED TORQUE OF GEARHEAD

• 50Hz

unit = above : N·m / below : kgfcm

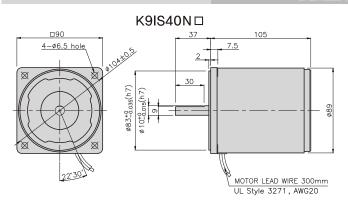
Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5
Motor/	opood(ipiii)	000	+10	000	200	200	100	100	120	100	00	, 0	00	00		0,	00			-	10	12.0	10	0.0	
Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□40N□		0 <u>.</u> 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
K9GE	□B(C)	7.0	8.5	11.7	14.1	17.6	21.1	23 <u>.</u> 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

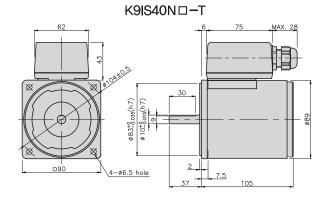
• 60Hz

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/	ороса(гріпі)	000	000	000	000	270	200	100	1-1-1	120	100		'-	- 00		-,0	- 00					.0	-12	- 0	
Gearhead	Ratio	3	3,6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□40N□	□(-T, -T5)	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 <u>.</u> 8	35.7	35.7	44.7	53.6	64.3	71.4	80.4	100	100	100	100	100	100	100	100

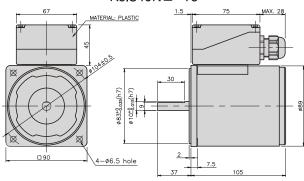
- * Gearhead and decimal gearhead are sold separately.
- * The code in $\hfill\Box$ of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * 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/100kgfcm.
- * 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

DIMENSIONS



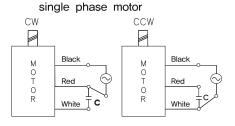


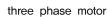
K9IS40N□-T5

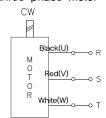


CONNECTION DIAGRAMS

K9IS40N□



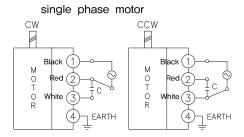




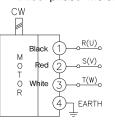
connecting two leadwires of U,V,W in turns

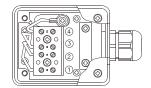
The direction of motor rotation is as viewed from the front shaft end of the motor





three phase motor

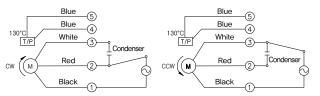




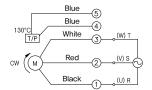
The direction of motor rotation is as viewed from the front shaft end of the motor

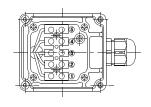
K9IS40N □-T5

single phase motor



three phase motor





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





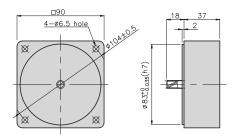
DIMENSIONS

K9G□B(C)



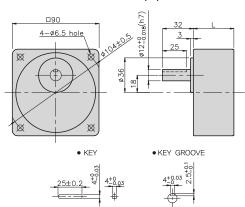
DECIMAL GEARHEAD

K9G10BX



GEAR HEAD

K9G□B(C)



DIMENSIONS

K9IG40N□ + K9G□B(C)







DIMENSION TABLE

PART No		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 <u>.</u> 36
DECIMA	AL GEAR HEAD	0 <u>.</u> 60
GEAR	K9G3~18B(C)	0.78
HEAD	K9G20~40B(C)	1,04
TILAD	K9G50~200B(C)	1,14

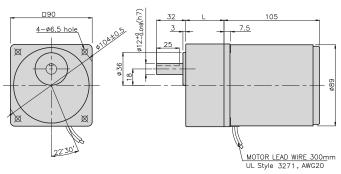
DIMENSION TABLE

PART No		Application Model	Mounting BOLT
01	42	K9G3~18B(C)	M5 P1.0 X 65
02	60	K9G20~200B(C)	M5 P1.0 X 80
03	37	K9G10BX	M5 P1.0 X 120

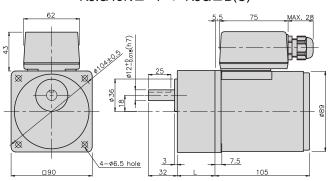
WEIGHT

	PART	WEIGHT(kg)						
	MOTOR	2 <u>.</u> 52						
DECIMA	AL GEAR HEAD	0,60						
OFAD	K9G3~18B(C)	0.78						
GEAR HEAD	K9G20~40B(C)	1,04						
HEAD	K9G50~200B(C)	1.14						

$K9IG40N\Box + K9G\Box B(C)$



$K9IG40N\Box -T + K9G\Box B(C)$



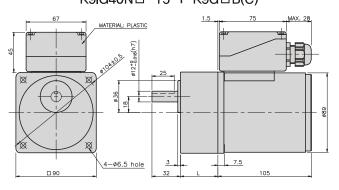
DIMENSION TABLE

PART No		Application Model	Mounting BOLT
01	42	K9G3~18B(C)	M5 P1.0 X 65
02	60	K9G20~200B(C)	M5 P1.0 X 80
03	37	K9G10BX	M5 P1.0 X 120

WEIGHT

	PART	WEIGHT(kg)
	MOTOR	2,52
DECIMA	AL GEAR HEAD	0,60
0540	K9G3~18B(C)	0.78
GEAR HEAD	K9G20~40B(C)	1,04
HEAD	K9G50~200B(C)	1,14

K9IG40N□-T5 + K9G□B(C)





REVERSIBLE MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9RS40N□



K9RS40N□-T, T5



SPECIFICATIONS

40W 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)	
K9R□40NJ(-T, -T5)		100	50	1	0.3/3	0.315/3.15	1250	16	
K9R□40NJ(=1, =15)		100	60	1,13	0.33/3.3	0.255/2.55	1550	10	
K9R□40NU(-T, -T5)		110	- 60	0,8	0 <u>.</u> 2/2	0,26/2,6	1500	10	
N9KE40NO(1, 15)		115	00	0.83	0.22/2.2	0.20/2.0	1300	10	
K9R□40NL(-T, -T5)		200	50	0 <u>.</u> 45	0.3/3	0.315/3.15	1250	4	
K9K□40NL(-1, -15)	single-phase	200	60	0.57	- 0 <u>.</u> 3/3	0.26/2.6	1500	4	
		220	50	0.46	0.3/3	0.315/3.15	1250		
K9R□40NC(-T, -T5)		220	60	0 <u>.</u> 55	0.32/3.2	0.26/2.6	1500	3 <u>.</u> 5	
K9K□40NC(-1, -15)		230	50	0.55	0 <u>.</u> 4/4	0.315/3.15	1250	3.5	
		230	60	0.58	0.36/3.6	0.26/2.6	1500		
K9R□40ND(-T, -T5)		240	50	0.41	0.34/3.4	0.3/3	1300	3	

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

RATED TORQUE OF GEARHEAD

• 50Hz

unit = above : $N \cdot m$ / 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 <u>.</u> 5
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□40N□	⊐(-T, -T5)	0.73	0 <u>.</u> 87	1 <u>.</u> 22	1 <u>.</u> 46	1 <u>.</u> 82	2,19	2,43	3,04	3,65	4 <u>.</u> 37	4.37	5 <u>.</u> 47	6,56	7 <u>.</u> 87	8.75	10	10	10	10	10	10	10	10	10
K9GE	□B(C)	7 <u>.</u> 3	8.7	12.2	14 <u>.</u> 6	18,2	21 <u>.</u> 9	24.3	30.4	36.5	43.7	43.7	54 <u>.</u> 7	65,6	78.7	87.5	100	100	100	100	100	100	100	100	100

• 60Hz

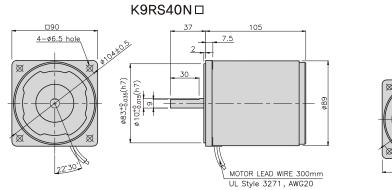
																							,		
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□40N□	⊐(-T, -T5)	0,62	0.74	1.03	1,24	1 <u>.</u> 55	1,86	2.07	2,58	3 <u>.</u> 10	3 <u>.</u> 72	3.72	4 <u>.</u> 65	5,58	6,69	7.44	8,37	10	10	10	10	10	10	10	10
K9G□	□B(C)	6.2	7.4	10.3	12.4	15.5	18.6	20.7	25.8	31.0	37.2	37.2	46.5	55.8	66.9	74.4	83.7	100	100	100	100	100	100	100	100

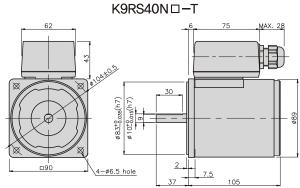
- * Gearhead and decimal gearhead are sold separately.
- * The code in $\ \square$ of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * 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/100kgfcm.
- * 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.



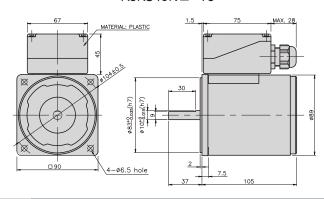


DIMENSIONS



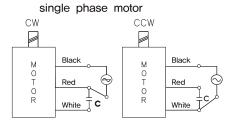


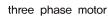
K9RS40N□-T5

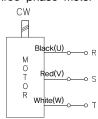


CONNECTION DIAGRAMS

K9RS40N□



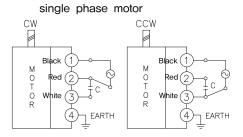




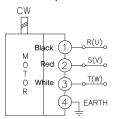
connecting two leadwires of U,V,W in turns

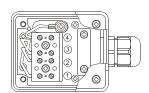
The direction of motor rotation is as viewed from the front shaft end of the motor

K9RS40N□-T



three phase motor

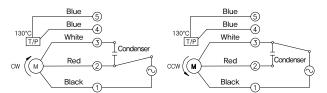




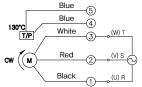
The direction of motor rotation is as viewed from the front shaft end of the motor

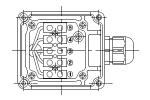
K9RS40N□-T5

single phase motor



three phase motor





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





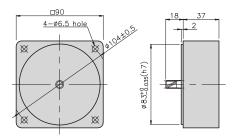
DIMENSIONS

K9G□B(C)



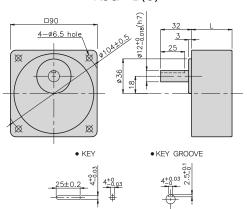
DECIMAL GEARHEAD

K9G10BX



GEAR HEAD

K9G□B(C)





DIMENSIONS

K9RG40N□ + 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	
	MOTOR	2 <u>.</u> 36
DECIMA	AL GEAR HEAD	0.60
GEAR	K9G3~18B(C)	0.78
HEAD	K9G20~40B(C)	1.04
	K9G50~200B(C)	1,14

DIMENSION TABLE

PART No		Application Model	Mounting BOLT
01	42	K9G3~18B(C)	M5 P1.0 X 65
02	60	K9G20~200B(C)	M5 P1.0 X 80
03	37	K9G10BX	M5 P1.0 X 120

WEIGHT

	PART	WEIGHT(kg)
	MOTOR	2 <u>.</u> 52
DECIMA	AL GEAR HEAD	0,60
OEAD	K9G3~18B(C)	0,78
GEAR HEAD	K9G20~40B(C)	1,04
HEAD	K9G50~200B(C)	1,14

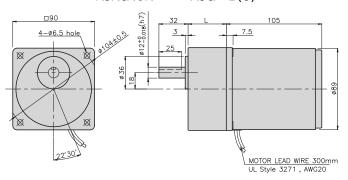
DIMENSION TABLE

PART No		Application Model	Mounting BOLT
01	42	K9G3~18B(C)	M5 P1.0 X 65
02	60	K9G20~200B(C)	M5 P1.0 X 80
03	37	K9G10BX	M5 P1.0 X 120

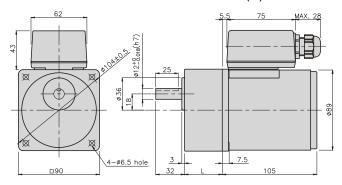
WEIGHT

**LIGI	• • • • • • • • • • • • • • • • • • • •	
	PART	WEIGHT(kg)
	MOTOR	2,52
DECIMA	AL GEAR HEAD	0 <u>.</u> 60
GEAR	K9G3~18B(C)	0.78
HEAD	K9G20~40B(C)	1.04
IILAD	K9G50~200B(C)	1,14

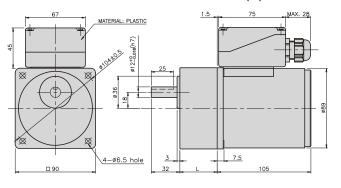
$K9RG40N\Box + K9G\Box B(C)$



$K9RG40N\Box -T + K9G\Box B(C)$



$K9RG40N\Box - T5 + K9G\Box B(C)$





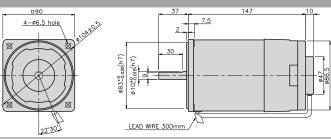
SPEED CONTROL & BRAKE MOTOR



□90mm

K9RS40N□-D





SPECIFICATIONS

40W 30 minutes rating, four poles

Model		Voltage (V)	Frequency (Hz)	Speed Range (rpm)	Permissik 1200rpm (N*m/ Kgf*Cm)	ole Torque 90rpm (N*m/ Kgf*Cm)	Start T. (N*m/ Kgf*Cm)	Current (A)	Condenser (µF)	Friction T. (N*m/ Kgf*Cm)
K9R□40NJ-D		100	50	90 ~ 1400		0.075/0.75	0.17/1.7	1.5	16	1/10
K9R□40NJ-D		100	60	90 ~ 1700	0 <u>.</u> 3/3	0.075/0.75	0.18/1.8	1 <u>.</u> 6	10	1/10
K9R□40NU-D		110	- 60	90 ~ 1700	0,3/3	0.075/0.75	0.14/1.4	1.5	10	1/10
K9R 140N0-D		115	60	90 ~ 1700	0.3/3	0.075/0.75	0.14/1.4	1 <u>.</u> 3	10	1/10
K9R□40NL-D		200	50	90 ~ 1400	0.33/3.3	0.07/0.7	0 17/1 7	0,65	4	1/10
K9RLI40NL-D	single-phase	200	60	90 ~ 1700	0.26/2.6	0.07/0.7	0.17/1.7	0 <u>.</u> 72	4	1/10
		220	50	90 ~ 1400	0.33/3.3		0.17/1.7	0,6		
KODE JONG D		220	60	90 ~ 1700	0.26/2.6	0.07/0.7	0.16/1.6	0,64	3 <u>.</u> 5	1/10
K9R□40NC-D		220	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.17/1.7	0.6) <u>3.</u> 5	1/10
		230	60	90 ~ 1700	0.26/2.6		0.16/1.6	0.64		
K9R□40ND-D		240	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.16/1.6	0.63	3	1/10

^{* 🗆 :} SHAFT SHAPE (S : STRAIGHT, G : PINION)

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

unit = above : N · m / below : kafcm

Model	Ratio	,	3 <u>.</u> 6	_	_	75	0	10	10 5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)]	3.0)	0	7.5	9	10	12.5	10	10	20	25	30	30	40	50	00	75	90	100	120	150	100	200
K9R□40N□-D	1200	0.73 7.3	0.87 8.7	1.22 12.2	1.46 14.6	1.82 18.2	2.19 21.9	2.43 24.3	3.04 30.4	3,65 36,5	4.37 43.7	4.37 43.7	5.47 54.7	6.56 65.6	7.87 78.7	8.75 87.5	9.84 98.4	10 100	10 100						
K9G□B(C)	90	0.18 1.8	0.22	0,30	0.36 3.6	0.46 4.6	0,55 5.5	0,61 6.1	0,76 7.6	0,91 9.1	1.09 10.9	1 09 10 9	1.37 13.7	1.64 16.4	1.97 19.7	2 19 21 9	2.46 24.6	2.95 29.5	3.69 36.9	4.43 44.3	4.92 49.2	5.90 59.0	7.38 73.8	8.86 88.6	10 100

• Single-phase 200V/240V

unit = above : N·m / below : kgfcm

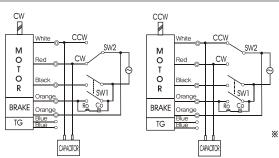
Model		Ratio	2	3 <u>.</u> 6	5	6	75	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Sp	peed(rpm)	٥	_)	0	7.5	9	10	12.5	13	10			30			50	00	75	90	100	120	150	100	200
		200V/220V/230V 240V/50Hz	0.80	0,96 9,6	134 13.4	1.60 16.0	2.00 20.0	2.41 24.1	2.67 26.7	3.34 33.4	4.01 40.1	4.81 48.1	4.81 48.1	6.01 60.1	7.22 72.2	866 866	9.62 96.2	10 100	10 100							
K9R□40N□-D K9G□B(C)	1200	200V/220V 230V/60Hz	0,63 6,3	0.76 7.6	1.05 10.5	1.26 12.6	1.58 15.8	1.90 19.0	2.11 21.1	2,63 26,3	3.16 31.6	3.79 37.9	3.79 37.9	4 74 47 4	569 569	6.82 68.2	7.58 75.8	8.53 85.3	10 100	10 100						
		90	0.17 1.7	0.20 2.0	0.28 2 <u>.</u> 8	0.34 3.4	0.43 4.3	0,51 5,1	0.57 5.7	0.71 7.1	0,85 8,5	1.02 10.2	1.02 10.2	1.28 12.8	1.53 15.3	1.84 18.4	2.04 20.4	2.30 23.0	2.76 27.6	3.44 34.4	4.13 41.3	4.59 45.9	5.51 55.1	6.89 68.9	8 <u>.</u> 27 82.7	9.19 91.9

- * Gearhead and decimal gearhead are sold separately.
- * The code in \square 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/100kgfcm.
- * 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.



CONNECTION DIAGRAMS

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



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

DIMENSIONS

K9G□B(C)

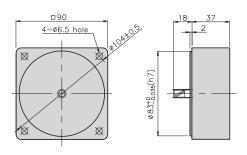


$K9RG40N\Box -D + K9G\Box B(C)$



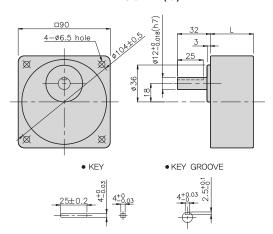
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

K9G□B(C)



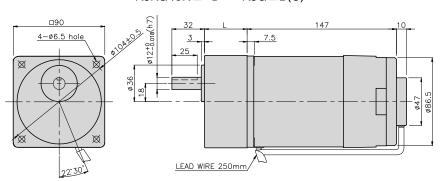
DIMENSION TABLE

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	2,98
DECIMA	AL GEAR HEAD	0.60
	K9G3~18B(C)	0.78
GEAR HEAD	K9G20~40B(C)	1,04
11.2.10	K9G50~200B(C)	1,14

$K9RG40N\Box -D + K9G\Box B(C)$



SPEED CONTROL MOTOR - SP SERIES

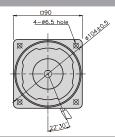


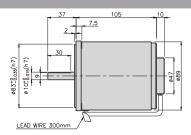
□90mm

INDUCTION MOTOR









SPECIFICATIONS

40W continuous rating, four poles

Mode		Voltage (V)	Frequency (Hz)	Speed Range (rpm)	Permissik 1200rpm (N*m/ kgf*Cm)	ole Torque 90rpm (N*m/ kgf*Cm)	Start T. (N*m/ Kgf*Cm)	Current (A)	Condenser (μF)
K9I□40NJ–SP		100	50	90 ~ 1400	0 <u>.</u> 26/2 <u>.</u> 6	0.07/0.7	0.14/1.4	1,3	12
101040100 01		100	60	90 ~ 1700	0.20,2.0	0.07/0.7	0.14/1.4	1.0	12
K9I□40NU-SP		110	- 60	90 ~ 1700	0 <u>.</u> 26/2 <u>.</u> 6	0.07/0.7	0.13/1.3	1,1	8
K911140110-3F		115	00	90 70 1700	0.20/2.0	0.07/0.7	0,13/1,3	1.1	0
K9I□40NL-SP		200	50	90 ~ 1400	0 <u>.</u> 3/3	0.063/0.63	0.14/1.4	0 <u>.</u> 6	3
K9I 40NL-5P	single-phase	200	60	90 ~ 1700	0.23/2.3	0.003/0.03	0.14/1.4	0.62	3
		220	50	90 ~ 1400	0 <u>.</u> 3/3		0.14/1.4	0.58	
K9I□40NC-SP		220	60	90 ~ 1700	0.23/2.3	0.063/0.63	0.13/1.3	0 <u>.</u> 62	2 <u>.</u> 5
Kail 40NC-SP		230	50	90 ~ 1400	0.3/3		0.14/1.4	0.6	2,5
		230	60	90 ~ 1700	0.23/2.3		0.13/1.3	0 <u>.</u> 62	
K9I□40ND-SP		240	50	90 ~ 1400	0 <u>.</u> 3/3	0.063/0.63	0.13/1.3	0,6	2

^{* 🗆 :} SHAFT SHAPE (S : STRAIGHT, G : PINION)

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

unit = above : $N \cdot m$ / below : kgfcm

Model	Ratio		26	_	6	75	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)]	3.6)	0	7.5	9	10	12.5	10	10	20	23	30	30	40	50	00	75	90	100	120	150	100	200
K9I□40N□-SP	1200	0,63 6,3	0.76 7.6	1.05 10.5	1.26 12.6	1.58 15.8	1.90 19.0	2.11 21.1	2.63 26.3	3.16 31.6	3.79 37.9	3.79 37.9	4.74 47.4	5.69 56.9	6.82 68.2	7.58 75.8	8.53 85.3	10 100							
K9G□B(C)	90	0.17 1.7	0.20	0.28 2.8	0.34 3.4	0,43 4,3	0.51 5.1	0,57 5,7	0.71 7.1	0,85 8,5	1.02 10.2	1.02 10.2	1,28 12,8	1.53 15.3	1.84 18.4	2.04 20.4	2.30 23.0	2.76 27.6	3.44 34.4	4 13 41 3	4.59 45.9	5.51 55.1	6,89 68,9	8.27 82.7	9 19 91 9

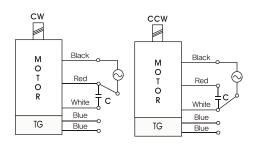
• Single-phase 200V/240V

Model	Ratio	3	3 <u>.</u> 6	5	6	75	Q	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)]	3.0)	O	7.5	Э	10	12.5	13		20	20	30		40	50	00	75	90	100	120	150		200
	200V/220V/ 230V/240V 50Hz	0.73	0,87 8,7	1.22 12.2	1.46 14.6	1.82 18.2	2.19 21.9	2.43 24.3	3.04 30.4	3.65 36.5	4.37 43.7	4.37 43.7	5.47 54.7	6.56 65.6	7.87 78.7	8.75 87.5	10 100								
K9I□40N□-SP K9G□B(C)	200V/220V/ 230V/240V 60H	0.56 5.6	0,67 6,7	0,93 9,3	1.12 11.2	1.40 14.0	1.68 16.8	1.86 18.6	2.33 23.3	2.79 27.9	3.35 33.5	335 33.5	4 19 41 9	5.03 50.3	6.04 60.4	6.71 67.1	8.38 83.8	10 100							
	90	0.15 1.5	0.18 1.8	0.26 2.6	0,31 3,1	0,38 3,8	0.46 4.6	0.51 5.1	0,64 6,4	0.77 7.7	0.92 9.2	0.92 9.2	1.15 11.5	1,38 13,8	1.65 16.5	1.84 18.4	2.07 20.7	2.48 24.8	3.10 31.0	3.72 37.2	4.13 41.3	4.96 49.6	6.20 62.0	7.44 74.4	8.27 82.7

- * Gearhead and decimal gearhead are sold separately.
- * The code in \square 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/100kgfcm.
- * 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.



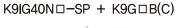
CONNECTION DIAGRAMS



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

DIMENSIONS

K9G□B(C)

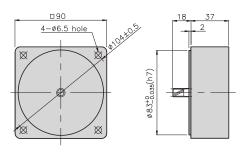






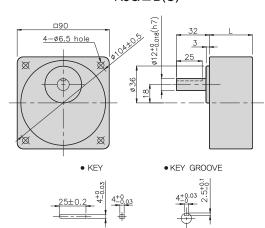
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

K9G□B(C)



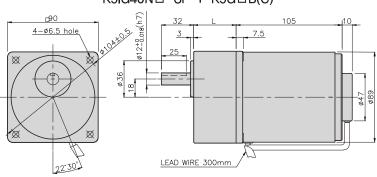
DIMENSION TABLE

PART No.		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	2,48
DECIMA	AL GEAR HEAD	0,60
	K9G3~18B(C)	0.78
GEAR HEAD	K9G20~40B(C)	1 <u>.</u> 04
	K9G50~200B(C)	1,14

$K9IG40N\Box -SP + K9G\Box B(C)$





SPEED CONTROL MOTOR - SP SERIES

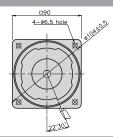


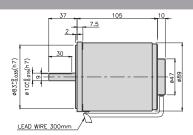
□90mm

REVERSIBLE MOTOR









SPECIFICATIONS

40W 30 minutes rating, four poles

Model	ı	Voltage (V)	Frequency (Hz)	Speed Range (rpm)	Permissib 1200rpm (N*m/ kgf*Cm)	le Torque 90rpm (N*m/ kgf*Cm)	Start T. (N*m/ Kgf*Cm)	Current (A)	Condenser (µF)
K9R□40NJ-SP		100	50	90 ~ 1400	0 <u>.</u> 3/3	0.075/0.75	0.17/1.7	1.5	16
101040100 01		100	60	90 ~ 1700	0.5/5	0.073/0.73	0.18/1.8	1 <u>.</u> 6	10
KODE 40NIII CD		110	- 60	90 ~ 1700	0 <u>.</u> 3/3	0.070/75	0 14/1 4	1.5	10
K9R□40NU-SP		115	60	90 / 1/00	0 <u>.</u> 3/3	0.070/75	0.14/1.4	1,3	1 10
K9R□40NL-SP		200	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.17/1.7	0.65	4
K9R 140NL-5P	single-phase	200	60	90 ~ 1700	0.26/2.6	0.07/0.7		0 <u>.</u> 72	4
		220	50	90 ~ 1400	0.33/3.3		0.17/1.7	0 <u>.</u> 6	
K9R□40NC-SP		220	60	90 ~ 1700	0.26/2.6	0.07/0.7	0.16/1.6	0,64	3.5
N9KLI40NC-5P		230	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.17/1.7	0 <u>.</u> 6	3.5
		230	60	90 ~ 1700	0.26/2.6		0.16/1.6	0.64	
K9R□40ND-SP		240	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.16/1.6	0 <u>.</u> 63	3

^{* 🗆 :} SHAFT SHAPE (S : STRAIGHT, G : PINION)

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

unit = above : $N \cdot m$ / below : kgfcm

Model	Ratio	2	3.6	_	6	75	0	10	10.5	15	18	20	25	20	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)]	3.0	5	0	7.5	9	10	12.5	13		20	20	30	30	40	50	00	75	90	100	120	150	100	200
K9R□40N□ -S P	1200	0.73 7.3	0,87 8,7	1.22 12.2	1.46 14.6	1.82 18.2	2.19 21.9	2.43 24.3	3.04 30.4	3,65 36,5	4.37 43.7	4.37 43.7	5.47 54.7	6.56 65.6	7.87 78.7	8.75 87.5	9.84 98.4	10 100	10 100						
K9G□B(C)	90	0.18 1.8	0,22 2,2	0,30	0,36 3.6	0,46 4,6	0,55 5.5	0,61 6.1	0,76 7,6	0,91 9.1	1 09 10 9	1.09 10.9	1,37 13.7	1,64 16.4	1,97 19.7	2,19 21.9	2.46 24.6	2.95 29.5	3.69 36.9	4.43 44.3	4.92 49.2	5,90 59.0	7,38 73.8	8.86 88.6	10 100

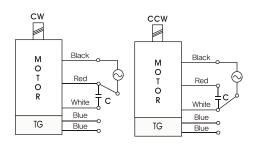
• Single-phase 200V/240V

Model		Ratio	2	3 <u>.</u> 6	5	6	75	0	10	12 5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Sp	eed(rpm)	١٥	_	5	0	7.5	Э	10	12.5	13	10	20	23	30			50	00	75	90	100	120	150	100	200
		200V/220V/230V 240V/50Hz	0,80 8,0	0,96 9,6	1.34 13.4	1.60 16.0	2.00 20.0	2.41 24.1	2.67 26.7	3.34 33.4	4.01 40.1	4.81 48.1	4.81 48.1	6.01 60.1	7.22 72.2	8,66 86,6	9.62 96.2	10 100								
K9R□40N□—SP K9G□B(C)	1200	200V/220V 230V/60Hz	0,63 6,3	0.76 7.6	1.05 10.5	1.26 12.6	1.58 15.8	1.90 19.0	2.11 21.1	2.63 26.3	3.16 31.6	3.79 37.9	3.79 37.9	4.74 47.4	5.69 56.9	6.82 68.2	7.58 75.8	8.53 85.3	10 100							
		90	0.17 1.7	0,20 2,0	0,28 2,8	0,34 3,4	0.43 4.3	0,51 5,1	0,57 5,7	0.71 7.1	0,85 8,5	1.02 10.2	1.02 10.2	1.28 12.8	1.53 15.3	1.84 18.4	2.04 20.4	2.30 23.0	2.76 27.6	3.44 34.4	4.13 41.3	4.59 45.9	5.51 55.1	6.89 68.9	8.27 82.7	9.19 91.9

- * Gearhead and decimal gearhead are sold separately.
- * The code in $\ \square$ 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/100kgfcm.
- * 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.



CONNECTION DIAGRAMS



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

DIMENSIONS

K9G□B(C)

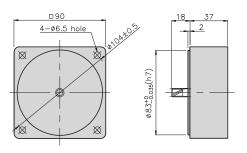
 $K9RG40N\Box -SP + K9G\Box B(C)$





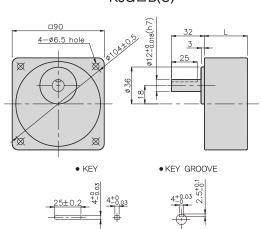
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

K9G□B(C)



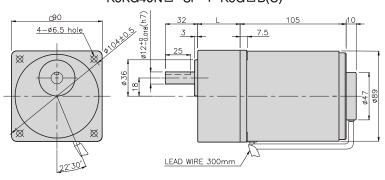
DIMENSION TABLE

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

WLIGI		
	PART	WEIGHT(kg)
	MOTOR	2.48
DECIMA	AL GEAR HEAD	0.60
	K9G3~18B(C)	0,78
GEAR HEAD	K9G20~40B(C)	1,04
TILAD	K9G50~200B(C)	1,14

$K9RG40N\Box -SP + K9G\Box B(C)$





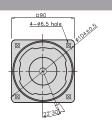
SPEED CONTROL MOTOR - SU SERIES

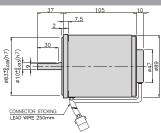


□90mm

K9□S40N□-SU







SPECIFICATIONS

40W continuous rating, four poles

Mode		Voltage (V)	Frequency (Hz)	Speed Range (rpm)	Permissib 1200rpm (N*m/ Kgf*Cm)	le Torque 90rpm (N*m/ Kgf*Cm)	Start T. (N*m/ Kgf*Cm)	Current (A)	Condenser (μF)
K9I□40NJ-SU		100	50	90 ~ 1400	0 <u>.</u> 26/2 <u>.</u> 6	0.07/0.7	0.14/1.4	1,3	12
K91 4010 - 30		100	60	90 ~ 1700	0.20/2.0	0.07/0.7	0.14/1.4	1.5	12
K9I□40NU–SU		110	- 60	90 ~ 1700	0.26/2.6	0.07/0.7	0.13/1.3	1,1	8
K9III 40N0-50		115	00	90 70 1700	0.20/2.0	0.07/0.7	0,13/1,3	1,1	0
K9I□40NL–SU		200	50	90 ~ 1400	0 <u>.</u> 3/3	0.063/0.63	0.14/1.4	0 <u>.</u> 6	3
K91L140NL-30	single-phase	200	60	90 ~ 1700	0.23/2.3	0.003/0.03	0.14/1.4	0,62	3
		220	50	90 ~ 1400	0 <u>.</u> 3/3		0.14/1.4	0.58	
K9I□40NC-SU		220	60	90 ~ 1700	0.23/2.3	0,063/0,63	0.13/1.3	0.62	2 <u>.</u> 5
K91 4011C - 30		230	50	90 ~ 1400	0 <u>.</u> 3/3	0.003/0.03	0.14/1.4	0 <u>.</u> 6	2.5
		230	60	90 ~ 1700	0.23/2.3		0.13/1.3	0.62	
K9I□40ND-SU		240	50	90 ~ 1400	0 <u>.</u> 3/3	0.063/6.3	0.13/1.3	0 <u>.</u> 6	2

^{* 🗆 :} SHAFT SHAPE (S : STRAIGHT, G : PINION)

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

unit = above : $N \cdot m$ / below : kgfcm

Model	Ratio	2	26	5	6	75	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)]	3.0	5	0	1.5	Э	10	12.5	13	10	20	25	30	30	40	50	00	15	90	100	120	150	100	200
K9I□40N□-SU	1200	0,63 6,3	0.76 7.6	1.05 10.5	1.26 12.6	1.58 15.8	1.90 19.0	2.11 21.1	2.63 26.3	3.16 31.6	3.79 37.9	3.79 37.9	4.74 47.7	5.69 56.9	6.82 68.2	7.58 75.8	8.53 58.3	10 100	10 100						
K9G□B(C)	90	0.17	0.20	0,28 2.8	0.34	0.43	0.51 5.1	0.57 5.7	0.71 7.1	0.85 8.5	1.02 10.2	1.02	1.28 12.8	1.53 15.3	1.84 18.4	2.04 20.4	2 <u>.</u> 30 23.0	2,76 27.6	3.44 34.4	4.13 41.3	4.59 45.9	5,51 55.1	6.89 68.9	8 <u>.</u> 27 82 7	9 19 91 9

• Single-phase 200V/240V

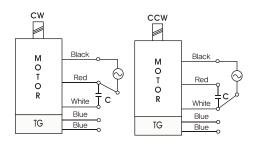
	Model	Ratio	2	3.6		6	75	_	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Moto	or/Gearhead	Speed(rpm)	١	_		0	7.5	9	10	•	10		20	25		30	40	30	00	/3	30	100	120	130		200
		200V/220V/ 230V/240V/50H		0.87 8.7	1.22 12.2	1.46 14.6	1.82 18.2	2.19 21.9	2.43 24.3	3.04 30.4	3,65 36,5	4.37 43.7	4.37 43.7	5.47 54.7	6.56 65.6	7.87 78.7	8.75 87.5	10 100								
	K9I□40N□-SU 120 K9G□B(C)	200V/220V/ 230V/60Hz	0.56 5.6	0.67 6.7	0,93 9,3	1.12 11.2	1.40 14.0	1.68 16.8	1.86 18.6	2.33 23.3	2.79 27.9	3.35 33.5	3.35 33.5	4.19 41.9	5.03 50.3	6.04 60.4	6.71 67.1	8.38 83.8	10 100							
		90	0.15 1.5	0.18	0,26 2,6	0.31	0.38 3.8	0.46 4.6	0.51 5.1	0.64 6.4	0,77 7 <u>.</u> 7	0,92 9,2	0.92 9.2	1.15 11.5	1.38 13.8	1.65 16.5	1.84 18.4	2.07 20.7	2.48 24.8	3.10 31.0	3.72 37.2	4.13 41.3	4.96 49.6	6.20 62.0	7 44 74 4	8.27 82.7

- * Gearhead and decimal gearhead are sold separately.
- st The code in \square 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/100kgfcm.
- * 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.





CONNECTION DIAGRAMS



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

DIMENSIONS

K9G□B(C)

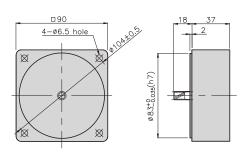


K9IG40N□-SU + K9G□B(C)



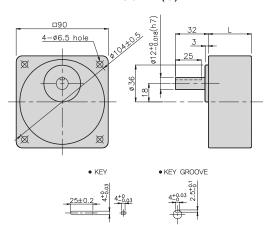
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

K9G□B(C)



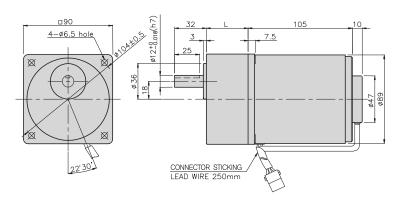
DIMENSION TABLE

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

WEIGHT

WEIGI	11	
	PART	WEIGHT(kg)
	MOTOR	2,48
DECIMA	AL GEAR HEAD	0 <u>.</u> 60
	K9G3~18B(C)	0.78
GEAR HEAD	K9G20~40B(C)	1.04
	K9G50~200B(C)	1,14

K9IG40N□-SU + K9G□B(C)



INDUCTION MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS40N□



K9IS40N□-T, T5



SPECIFICATIONS

40W continuous rating, four poles

Terr cerum acae raung,	•	Valla a	F	0 1	Ctort T	Dotod T	0	Candanaar
Mode		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/ Kgf*Cm)	Rated T. (N*m/ Kgf*Cm)	Speed (rpm)	Condenser (µF)
K9I□40NJ(-T, -T5)		100	50	0,86	0.21/2.1	0.315/3.15	1250	12
K9I□40N3(=1, =15)		100	60	0.84	0.22/2.2	0.255/2.55	1550	12
K9I□40NU(-T, -T5)		110	60	0,65	0.19/1.9	0.255/2.55	1550	8
K91040N0(-1, -15)		115	00	0.68	0.2/2	0.255/2.55	1550	0
K9I□40NL(-T, -T5)		200	50	0.4	0.22/2.2	0.315/3.15	1250	3
131E40NE(1, 13)	single-phase	200	60	0 <u>.</u> 41	0,22/2.2	0.255/2.55	1550	3
		220	50	0.38	0.24/2.4	0.315/3.15	1250	
K9I□40NC(-T, -T5)		220	60	0.37	0.24/2.4	0.255/2.55	1550	2 <u>.</u> 5
K91040NC(-1, -13)		230	50	0.4	0.26/2.6	0.315/3.15	1250	2.5
		230	60	0.38	0.20/2.0	0.255/2.55	1550	
K9I□40ND(-T, -T5)		240	50	0,39	0.2/2	0.3/3	1300	2
K9I□40NT(-T, -T5)		200	50	0.39	1/10	0.3/3	1300	_
K91040N1(-1, -15)		200	60	0,32	0.78/7.8	0.245/2.45	1600	
]	220	50	0,33	0.95/9.5	0.29/2.9	1350	
K9I□40NH(-T, -T5)		220	60	0.31	0.78/7.8	0.245/2.45	1600	_
K9I□40NH(−1, −15)		220	50	0.41	1/10	0.29/2.9	1350	
		230	60	0,32	0.83/8.3	0.245/2.45	1600]
K9I□40NM(-T, -T5)	three-phase	380	50	0.10	1/10	0.29/2.9	1350	_
K9I□40INM(=1, =15)	i illee-pilase	300	60	0.18	0.78/7.8	0.245/2.45	1600]
K9I□40NV(-T, -T5)		400	50	0.18	1.15/11.5	0.29/2.9	1350	_
K9114011V(-1, -15)		400	60	0.19	0.88/8.8	0.245/2.45	1600	
K9I□40NQ(-T, -T5)		415	50	0.16	0.95/9.5	0.29/2.9	1350	_
K91040NQ(-1, -15)		415	60	0.14	0.72/7.2	0.245/2.45	1600	<u> </u>
K9I□40NZ(-T, -T5)		440	50	0.19	1/10	0.29/2.9	1350	_
NSILI40INZ(-1, -15)		440	60	0,16	0.79/7.9	0.245/2.45	1600	

^{* :} SHAFT SHAPE (S : STRAIGHT, G : PINION)

RATED TORQUE OF GEARHEAD

• 50Hz

unit = above : N·m / below : kgfcm

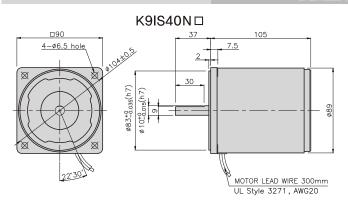
Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5
Motor/	opood(ipiii)	000	+10	000	200	200	100	100	120	100	00	, 0	00	00		0,	00			-	10	12.0	10	0.0	
Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□40N□		0 <u>.</u> 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
K9GE	□B(C)	7.0	8.5	11.7	14.1	17.6	21.1	23 <u>.</u> 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

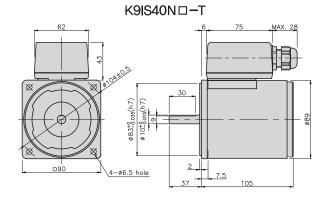
• 60Hz

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/	ороса(гріпі)	000	000	000	000	270	200	100	1-1-1	120	100		'-	- 00		-,0	- 00					.0	-12	- 0	
Gearhead	Ratio	3	3,6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□40N□	□(-T, -T5)	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 <u>.</u> 8	35.7	35.7	44.7	53.6	64.3	71.4	80.4	100	100	100	100	100	100	100	100

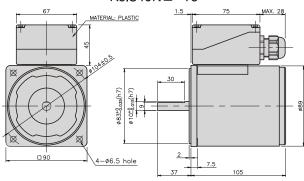
- * Gearhead and decimal gearhead are sold separately.
- * The code in $\hfill\Box$ of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * 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/100kgfcm.
- * 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

DIMENSIONS



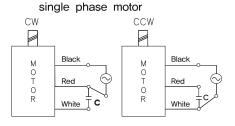


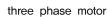
K9IS40N□-T5

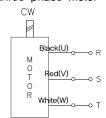


CONNECTION DIAGRAMS

K9IS40N□



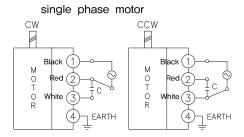




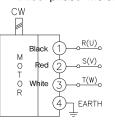
connecting two leadwires of U,V,W in turns

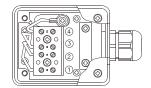
The direction of motor rotation is as viewed from the front shaft end of the motor





three phase motor

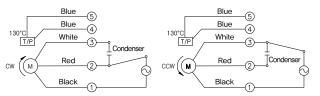




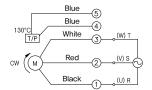
The direction of motor rotation is as viewed from the front shaft end of the motor

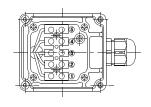
K9IS40N □-T5

single phase motor



three phase motor





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





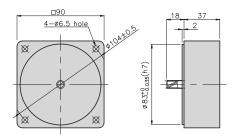
DIMENSIONS

K9G□B(C)



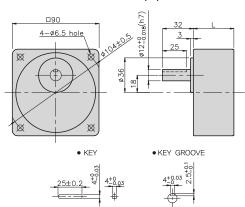
DECIMAL GEARHEAD

K9G10BX



GEAR HEAD

K9G□B(C)



DIMENSIONS

K9IG40N□ + K9G□B(C)







DIMENSION TABLE

PART No		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 <u>.</u> 36
DECIMA	AL GEAR HEAD	0 <u>.</u> 60
GEAR	K9G3~18B(C)	0.78
HEAD	K9G20~40B(C)	1,04
HEAD	K9G50~200B(C)	1,14

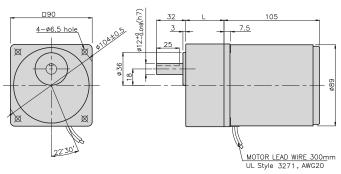
DIMENSION TABLE

PART No		Application Model	Mounting BOLT
01	42	K9G3~18B(C)	M5 P1.0 X 65
02	60	K9G20~200B(C)	M5 P1.0 X 80
03	37	K9G10BX	M5 P1.0 X 120

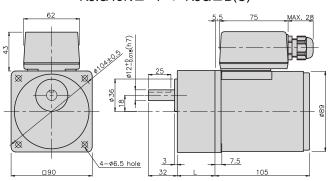
WEIGHT

	PART	WEIGHT(kg)				
	MOTOR	2,52				
DECIMA	AL GEAR HEAD	0 <u>.</u> 60				
OFAD	K9G3~18B(C)	0.78				
GEAR HEAD	K9G20~40B(C)	1,04				
HEAD	K9G50~200B(C)	1.14				

$K9IG40N\Box + K9G\Box B(C)$



$K9IG40N\Box -T + K9G\Box B(C)$



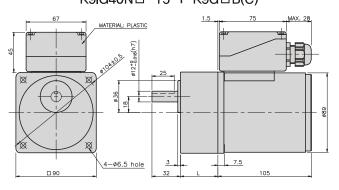
DIMENSION TABLE

PART No		Application Model	Mounting BOLT
01	42	K9G3~18B(C)	M5 P1.0 X 65
02	60	K9G20~200B(C)	M5 P1.0 X 80
03	37	K9G10BX	M5 P1.0 X 120

WEIGHT

	PART	WEIGHT(kg)				
	MOTOR	2,52				
DECIMA	AL GEAR HEAD	0,60				
0540	K9G3~18B(C)	0.78				
GEAR HEAD	K9G20~40B(C)	1,04				
HEAD	K9G50~200B(C)	1,14				

K9IG40N□-T5 + K9G□B(C)





REVERSIBLE MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9RS40N□



K9RS40N□-T, T5



SPECIFICATIONS

40W 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)
K9R□40NJ(-T, -T5)		100	50	1	0.3/3	0.315/3.15	1250	16
K9R 40N0(-1, -15)		100	60	1,13	0.33/3.3	0.255/2.55	1550	16
K9R□40NU(-T, -T5)		110	- 60	0 <u>.</u> 8	0 <u>.</u> 2/2	0,26/2,6	1500	10
K9K□40N0(-1, -13)		115	00	0.83	0.22/2.2	0.20/2.0	1500	10
K9R□40NL(-T, -T5)		200	50	0 <u>.</u> 45	0,3/3	0.315/3.15	1250	4
K9K 140NL(-1, -15)	single-phase	200	60	0 <u>.</u> 57	0.3/3	0.26/2.6	1500	4
		220	50	0.46	0.3/3	0.315/3.15	1250	
K9R□40NC(-T, -T5)		220	60	0 <u>.</u> 55	0.32/3.2	0.26/2.6	1500	3.5
K9K□40NC(-1, -13)		230	50	0 <u>.</u> 55	0 <u>.</u> 4/4	0.315/3.15	1250	3.5
		230	60	0.58	0.36/3.6	0.26/2.6	1500	
K9R□40ND(-T, -T5)		240	50	0.41	0.34/3.4	0.3/3	1300	3

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

RATED TORQUE OF GEARHEAD

• 50Hz

unit = above : $N \cdot m$ / 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 <u>.</u> 5
Motor/ Gearhead	Ratio	3	3,6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□40N□	⊐(-T, -T5)	0.73	0.87	1,22	1,46	1,82	2,19	2,43	3 <u>.</u> 04	3,65	4 <u>.</u> 37	4.37	5 <u>.</u> 47	6 <u>.</u> 56	7 <u>.</u> 87	8 <u>.</u> 75	10	10	10	10	10	10	10	10	10
K9G	□B(C)	7 <u>.</u> 3	8 <u>.</u> 7	12.2	14.6	18.2	21.9	24.3	30.4	36.5	43.7	43.7	54.7	65.6	78.7	87.5	100	100	100	100	100	100	100	100	100

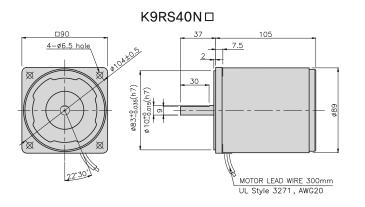
• 60Hz

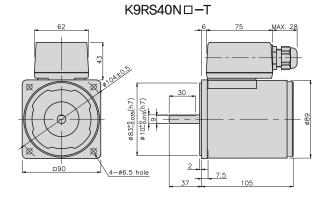
																							,		
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□40N□	⊐(-T, -T5)	0,62	0.74	1.03	1,24	1 <u>.</u> 55	1,86	2.07	2,58	3 <u>.</u> 10	3 <u>.</u> 72	3.72	4 <u>.</u> 65	5,58	6,69	7.44	8,37	10	10	10	10	10	10	10	10
K9G□	□B(C)	6.2	7.4	10 <u>.</u> 3	12.4	15.5	18.6	20.7	25.8	31.0	37.2	37.2	46.5	55.8	66.9	74.4	83.7	100	100	100	100	100	100	100	100

- * Gearhead and decimal gearhead are sold separately.
- * The code in $\ \square$ 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/100kgfcm.
- * 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.

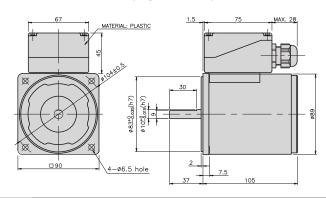


DIMENSIONS



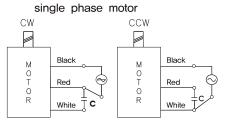


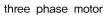
K9RS40N□-T5

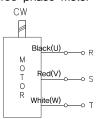


CONNECTION DIAGRAMS

K9RS40N□



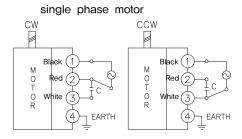




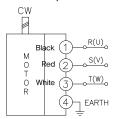
connecting two leadwires of U,V,W in turns

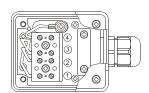
The direction of motor rotation is as viewed from the front shaft end of the motor

K9RS40N□-T



three phase motor

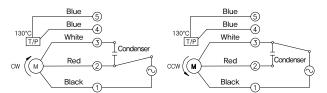




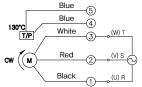
The direction of motor rotation is as viewed from the front shaft end of the motor

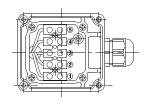
K9RS40N□-T5

single phase motor



three phase motor





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





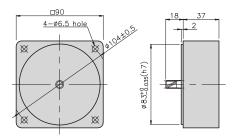
DIMENSIONS

K9G□B(C)



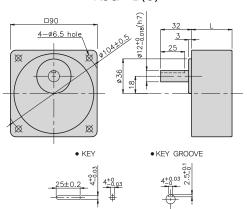
DECIMAL GEARHEAD

K9G10BX



GEAR HEAD

K9G□B(C)





DIMENSIONS

K9RG40N□ + 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						
	MOTOR	2,36					
DECIMA	AL GEAR HEAD	0.60					
GEAR	K9G3~18B(C)	0.78					
HEAD	K9G20~40B(C)	1.04					
	K9G50~200B(C)	1,14					

DIMENSION TABLE

PART No		Application Model	Mounting BOLT
01	42	K9G3~18B(C)	M5 P1.0 X 65
02	60	K9G20~200B(C)	M5 P1.0 X 80
03	37	K9G10BX	M5 P1.0 X 120

WEIGHT

	PART	WEIGHT(kg)				
	MOTOR	2 <u>.</u> 52				
DECIMA	AL GEAR HEAD	0.60				
OFAD	K9G3~18B(C)	0,78				
GEAR HEAD	K9G20~40B(C)	1,04				
HEAD	K9G50~200B(C)	1,14				

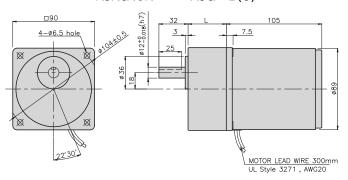
DIMENSION TABLE

PART No		Application Model	Mounting BOLT
01	42	K9G3~18B(C)	M5 P1.0 X 65
02	60	K9G20~200B(C)	M5 P1.0 X 80
03	37	K9G10BX	M5 P1.0 X 120

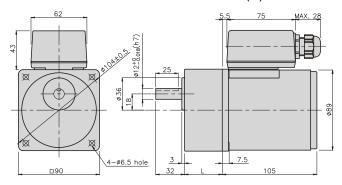
WEIGHT

**LIGI	• • • • • • • • • • • • • • • • • • • •	
	PART	WEIGHT(kg)
	MOTOR	2,52
DECIMA	AL GEAR HEAD	0 <u>.</u> 60
OEAD	K9G3~18B(C)	0.78
GEAR HEAD	K9G20~40B(C)	1.04
IILAD	K9G50~200B(C)	1,14

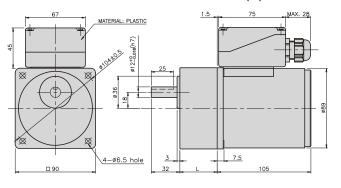
$K9RG40N\Box + K9G\Box B(C)$



$K9RG40N\Box -T + K9G\Box B(C)$



$K9RG40N\Box - T5 + K9G\Box B(C)$



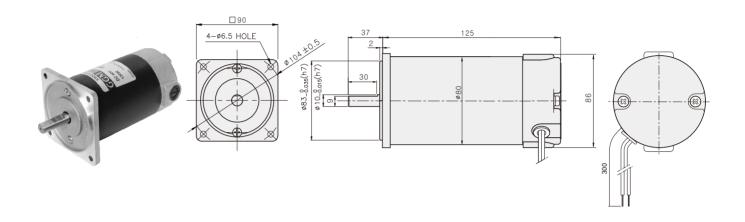


DC MOTOR

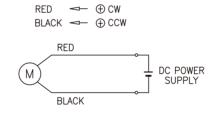


□90mm

DIMENSIONS



CONNECTION DIAGRAMS



SPECIFICATIONS

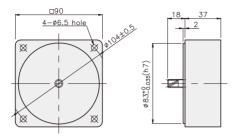
Model	Output	Voltage		RATED	Start T.	Starting		
	(W)	(V)	Speed (rpm)	Torque (N·m/kgf·cm)	Current (A)	(N·m/kgf·cm)	Current (A)	
K9D□40N1		12			6.1	1.43/14.3	64	
K9D□40N2	40	24	3000	0.13/1.3	3	1.82/18.2	40	
K9D□40N3		90			0.9	1.44/14.4	9	

^{*} \square : Shaft shape (S : Straight, G: Pinion)

DIMENSIONS

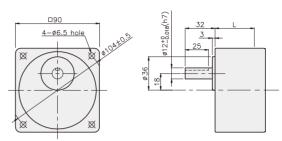
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

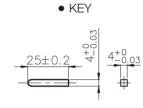
K9G□B(C)

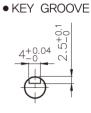


KEY SPEC









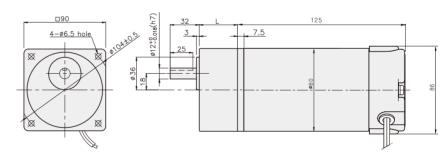
DIMENSION TABLE

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	1.88						
		K9G10BX	0,60						
OF A	GEAR HEAD	K9G3~18B(C)	0,78						
		K9G20~40B(C)	1,04						
		K9G50~200B(C)	1,14						

K9DG40N□ + K9G□B(C)



RATED TORQUE OF GEARHEAD

K9G□B(C)

•		,																							
Model Motor/ Gear	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
	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
K9DG4	0N□	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	1.31 13.1	1.58 15.8	1.89 18.9	1.89 18.9	2.37 23.7	2,84 28,4	3.41 34.1	3.78 37.8	4.26 42.6	5.11 51.1	6.39 63.9	7.66 76.6	8.52 85.2	10 100	10 100	10 100	10 100

- * 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, shich has one tenth of the ratio, between the gearhead and the motor. In this case, the permissible torque is 10 N·m / 100 kgf·cm.

unit = above : N·m / below : kgf·cm