

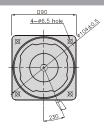
BRAKE MOTOR

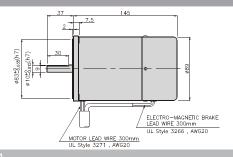


□90mm

K9□S40N□-B







SPECIFICATIONS

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

Mode	el	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			100	50	1	0.3/3	0.315/3.15	1250	16	1/10
NSK 140NJ-B			100	60	1,13	0.33/3.3	0.255/2.55	1550	10	1/10
K9R□40NU-B			110	60	0 <u>.</u> 8 0 <u>.</u> 83	0.2/2	0.26/2.6	1500	10	1/10
			115	50	0.45	0.22/2.2	0.015/0.15	1250		
K9R□40NL-B	single phase	00	200	60	0,43	0.3/3	0.315/3.15		4	1/10
	single-phase	30 minutes				0.0/0	0.26/2.6	1500		
			220	50	0,46	0.3/3	0.315/3.15	1250	4	
K9R□40NC-B				60	0,55	0.32/3.2	0.26/2.6	1500	3,5	1/10
1.0.1.			230	50	0.55	0.4/4	0,315/3,15	1250	1	.,
			200	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			200	50	0.39	1/10	0.3/3	1300	_	1/10
K9ILI40IVI-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		
KOLET 4ONILL D			220	60	0,31	0.78/7.8	0.245/2.45	1600	1 _	1/10
K9I□40NH-B			000	50	0.41	1/10	0.29/2.9	1350	1 -	1/10
			230	60	0.32	0.83/8.3	0.245/2.45	1600	1	
KOLE 40NIM B	three-phase		200	50	0.10	1/10	0.29/2.9	1350	_	1/10
K9I□40NM-B	triree—priase	continuous	380	60	0.18	0.78/7.8	0.245/2.45	1600	1	1/10
LOID 40NV D			400	50	0.18	1,15/11,5	0.29/2.9	1350	_	1/10
K9I□40NV–B			400	60	0.19	0.88/8.8	0.245/2.45	1600]	1/10
KOLE 40NO B			415	50	0.16	0.95/9.5	0.29/2.9	1350	_	1/10
K9I□40NQ-B			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
NSILI4UNZ-D			440	60	0.16	0.79/7.9	0.245/2.45	1600		1/10

* : 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	7.5
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□G4	ON□-B	0 <u>.</u> 70	0 <u>.</u> 85	1,17	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	8.46	10	10	10	10	10	10	10	10	10
K9G	□B(C)	7 <u>.</u> 0	8 <u>.</u> 5	11,7	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	76.1	84.6	100	100	100	100	100	100	100	100	100

• 60Hz

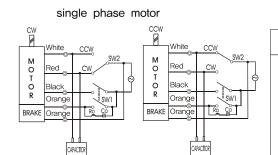
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9□G4	0N□-B	0 <u>.</u> 60	0.71	0 <u>.</u> 99	1,19	1 <u>.</u> 49	1,79	1 <u>.</u> 98	2,48	2,98	3 <u>.</u> 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



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 = $0.1 \sim 0.2 \mu F$ 200WV(400WV)

DIMENSIONS

K9G□B(C)

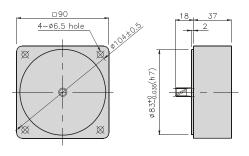


K9□G40N□-B + K9G□B(C)



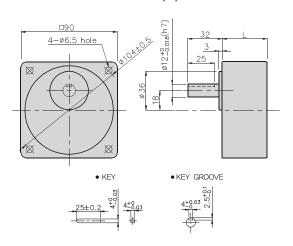
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

K9G□B(C)



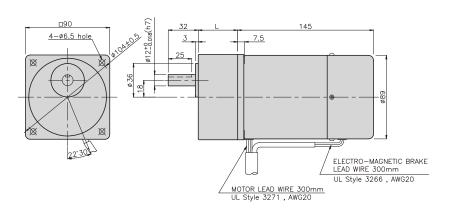
DIMENSION TABLE

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

WEIGI	***								
	PART	WEIGHT(kg)							
	MOTOR	2 <u>.</u> 86							
DECIM/	AL GEAR HEAD	0,60							
	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

<u> </u>		\ /- H			Ctort T	Dotod T	0	Candanaar
Model		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 <u>.</u> 86	0.21/2.1	0.315/3.15	1250	12
K91 40103(-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
K9I□40I10(1, 13)		115	00	0.68	0.2/2		1550	0
K9I□40NL(-T, -T5)		200	50	0.4	0.22/2.2	0.315/3.15	1250	3
1(91 <u>1</u> 1401 1 E(1, 19)	single-phase	200	60	0.41	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
K91□4010C(1, 15)		230	50	0.4	0.26/2.6	0.315/3.15	1250	
		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	_
R91□40101(1, 13)		200	60	0.32	0.78/7.8	0.245/2.45	1600	
		220	50	0 <u>.</u> 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] _
K9ILI40NH(-1, -15)		230	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	0.18	1/10	0.29/2.9	1350	_
K91□40NN(-1, -15)	liliee priase	300	60	0,16	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	
N3104011V(-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	
Kaid 4011Q(-1, -15)		415	60	0 <u>.</u> 14	0.72/7.2	0 245/2 45	1600	
K9I□40NZ(-T, -T5)		440	50	0.19	1/10	0.29/2.9	1350	
Nai140112(-1, -15)		440	60	0.16	0.79/7.9	0.245/2.45	1600	1

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

RATED TORQUE OF GEARHEAD

• 50Hz

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

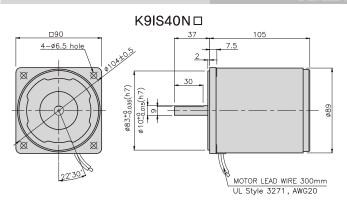
Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	75
Motor/	opeca(ipiii)	000	+10	000	200	200	100	100	120	100	00	, 0	00	00	+	0,	00			i	.0	12.0	10	0,0	
Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	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
K9G	□B(C)	7 <u>.</u> 0	8 <u>.</u> 5	11.7	14.1	17.6	21.1	23.5	29.4	35.2	42.3	42 <u>.</u> 3	52 <u>.</u> 9	63.4	76.1	84.6	100	100	100	100	100	100	100	100	100

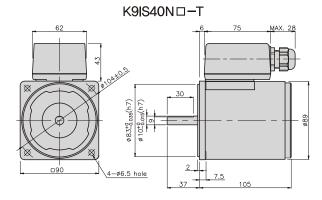
• 60Hz

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/	opeca(.p,	000	000	000	000			.00											'						
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
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	29.8	35.7	35.7	44.7	53.6	64.3	71.4	80.4	100	100	100	100	100	100	100	100

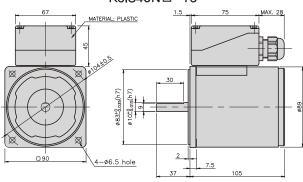
- * Gearhead and decimal gearhead are sold separately.
- * The code in $\hfill\Box$ of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
-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



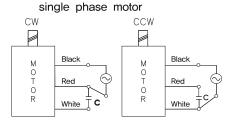


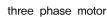
K9IS40N□-T5

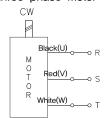


CONNECTION DIAGRAMS

K9IS40N□



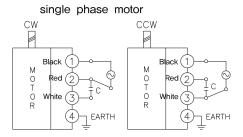




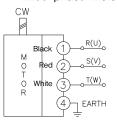
connecting two leadwires of U,V,W in turns

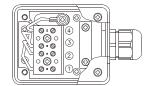
The direction of motor rotation is as viewed from the front shaft end of the motor

K9IS40N□-T



three phase motor

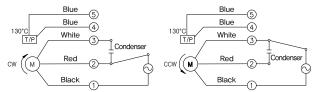




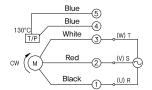
The direction of motor rotation is as viewed from the front shaft end of the motor

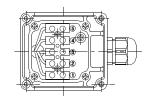
K9IS40N□-T5

single phase motor



three phase motor





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





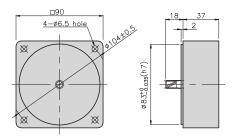
DIMENSIONS

K9G□B(C)



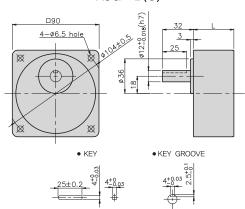
DECIMAL GEARHEAD

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

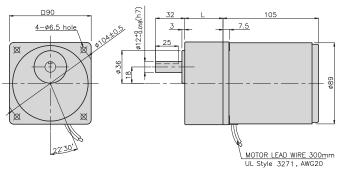
DIMENSION TABLE

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

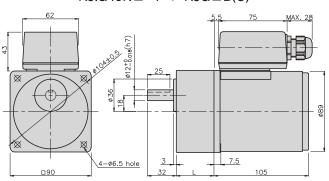
WEIGHT

	PART	WEIGHT(kg)						
	MOTOR	2 <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						

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



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



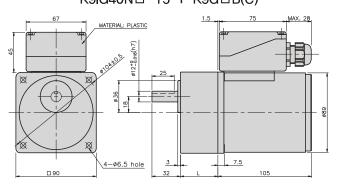
DIMENSION TABLE

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
ΠΕΑD	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

+000 continuous rating, i	loui poics								
Mode		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	
K9KU40N0(-1, -15)		100	60	1,13	0.33/3.3	0.255/2.55	1550	10	
K9R□40NU(-T, -T5)		110	- 60	0 <u>.</u> 8	0.2/2	0,26/2,6	1500	10	
K9R□40N0(=1, =15)		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□40NL(-1, -15)	single-phase	200	60	0 <u>.</u> 57	0.5/5	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	
K9R□40NC(=1, =15)		220	50	0 <u>.</u> 55	0 <u>.</u> 4/4	0.315/3.15	0.315/3.15 1250		
		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 <u>.</u> 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	0,87	1,22	1.46	1,82	2,19	2,43	3 <u>.</u> 04	3,65	4 <u>.</u> 37	4.37	5,47	6,56	7 <u>.</u> 87	8.75	10	10	10	10	10	10	10	10	10
K9Gt	⊐B(C)	7.3	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 <u>.</u> 5	100	100	100	100	100	100	100	100	100

• 60Hz

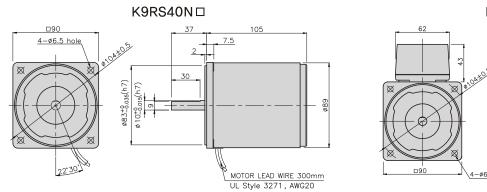
																								,		
Мо	odel	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Mo Gea	otor/ irhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I	R□40N□	□(-T, -T5)	0 <u>.</u> 62	0 <u>.</u> 74	1.03	1 <u>.</u> 24	1,55	1,86	2.07	2,58	3,10	3 <u>.</u> 72	3.72	4 <u>.</u> 65	5,58	6,69	7.44	8 <u>.</u> 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

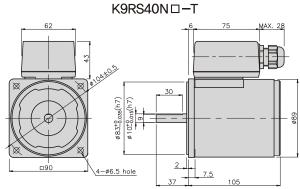
- * Gearhead and decimal gearhead are sold separately.
- * The code in $\ \square$ of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- *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



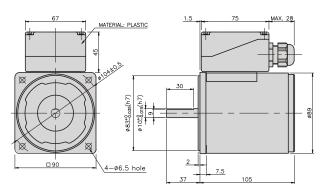


DIMENSIONS



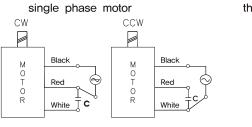


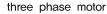
K9RS40N□-T5

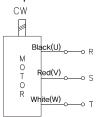


CONNECTION DIAGRAMS





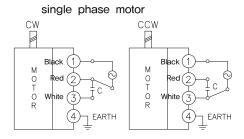




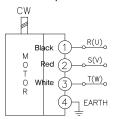
connecting two leadwires of U,V,W in turns

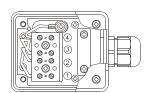
The direction of motor rotation is as viewed from the front shaft end of the motor

K9RS40N□-T



three phase motor

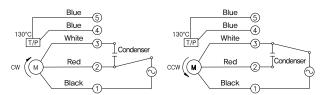




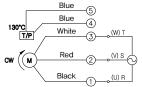
The direction of motor rotation is as viewed from the front shaft end of the motor

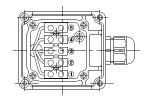
K9RS40N□-T5

single phase motor



three phase motor





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



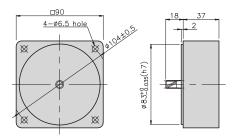
DIMENSIONS

K9G□B(C)



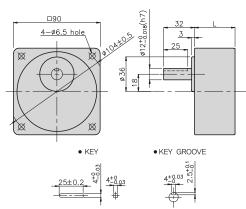
DECIMAL GEARHEAD

K9G10BX



GEAR HEAD

K9G□B(C)

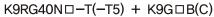




DIMENSIONS

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







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
LILAD	K9G50~200B(C)	1,14

DIMENSION TABLE

PART No	L	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
OFAD	K9G3~18B(C)	0,78
GEAR HEAD	K9G20~40B(C)	1.04
TILAD	K9G50~200B(C)	1,14

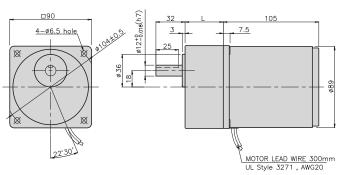
DIMENSION TABLE

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

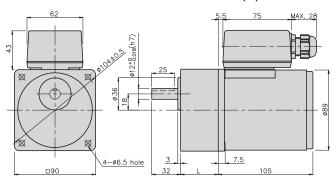
WEIGHT

WEIGH	• • • • • • • • • • • • • • • • • • • •	
	PART	WEIGHT(kg)
	MOTOR	2,52
DECIMA	AL GEAR HEAD	0.60
GEAR	K9G3~18B(C)	0,78
HEAD	K9G20~40B(C)	1.04
TILAD	K9G50~200B(C)	1.14

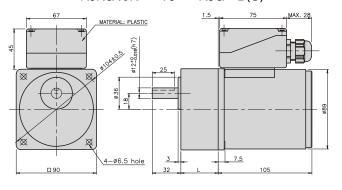
$K9RG40N\Box + K9G\Box B(C)$



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



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





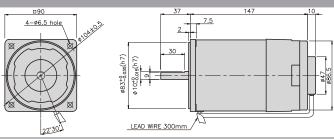
SPEED CONTROL & BRAKE MOTOR



□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 : kgfcm

Model	Ratio	2	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	23	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

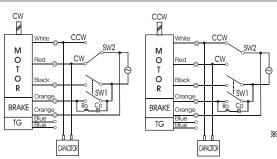
Model		Ratio	2	26	E	6	7.5	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Sp	peed(rpm)	3	3 <u>.</u> 6)	О	7.5	9	10	12.5	15	10			30			50		75	90	100	120	150	180	200
		200V/220V/230V 240V/50Hz	0,80 8,0	0,96 9,6	134 13.4	1.60 16.0	2.00 20.0	2.41 24.1	2.67 26.7	3.34 33.4	4.01 40.1	4.81 48.1	4.81 48.1	6.01 60.1	7.22 72.2	8.66 86.6	9.62 96.2	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	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 <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	8.27 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)

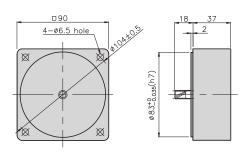


$K9RG40N\Box -D + K9G\Box B(C)$



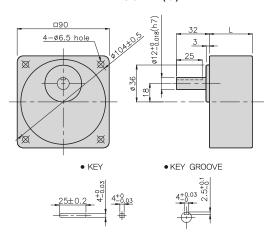
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

K9G□B(C)



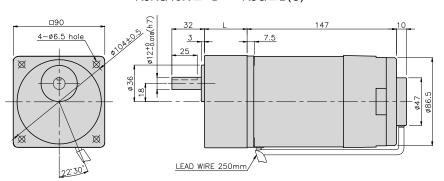
DIMENSION TABLE

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 <u>.</u> 98
DECIMA	AL GEAR HEAD	0 <u>.</u> 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

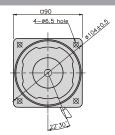


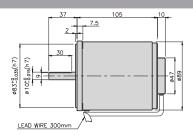
□90mm

INDUCTION MOTOR









SPECIFICATIONS

40W continuous rating, four poles

Mode	I	Voltage (V)	Frequency (Hz)	Speed Range (rpm)	Permissib 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	0.26/2.6	0.07/0.7	0.14/1.4	1 <u>.</u> 3	12
1/3/2/40/10 3/		100	60	90 ~ 1700	0.20/2.0	0.0770.7	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
K9I 40INO - 5P		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	0.3/3	0.063/0.63	0,14/1,4	0 <u>.</u> 6	3
K9I 140NL-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	0.62	2 <u>.</u> 5
NSILL 40INC 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	0,62	
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	7.5	0	10	12.5	15	18	20	25	30	36	10	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)]	3.6)	0	7.5	9	10	12.3	10	10	20	20	30	30	40	50	00	75	90	100	120	100	100	200
K9I□40N□-SP	1200	0,63 6,3	0.76 7 <u>.</u> 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

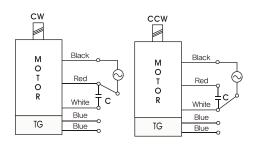
• Single-phase 200V/240V

Model	Ratio	3	3.6	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	5	0	7.5	9	10	12.0	10	10	20	20	30	30	40	50	00	13	30	100	120	150	100	200
	200V/220V/ 230V/240V 50Hz	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	10 100								
K9I□40N□-SP K9G□B(C)	1200 200V/240V 60Hz 230V/240V 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 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.



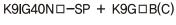
CONNECTION DIAGRAMS



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

DIMENSIONS

K9G□B(C)

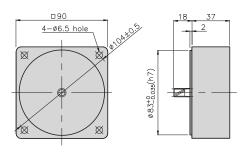






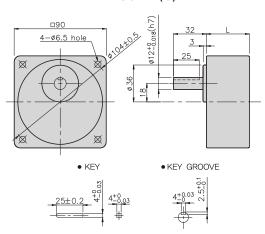
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

K9G□B(C)



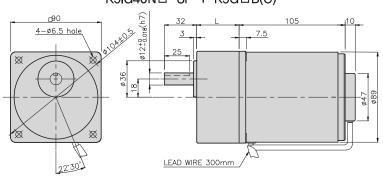
DIMENSION TABLE

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

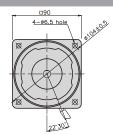


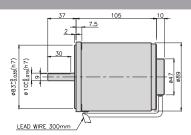
□90mm

REVERSIBLE MOTOR









SPECIFICATIONS

40W 30 minutes rating, four poles

Mode	ı	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)
K9R□40NJ-SP		100	50	90 ~ 1400	0.3/3	0.075/0.75	0.17/1.7	1.5	16
K9K□40NJ-5F		100	60	90 ~ 1700	0 <u>.</u> 3/3	0.073/0.73	0.18/1.8	1 <u>.</u> 6	10
K9R□40NU-SP		110	- 60	90 ~ 1700	0 <u>.</u> 3/3	0.070/75	0,14/1,4	1.5	10
K9K□40N0-5F		115	00	90 70 1700	0 <u>.</u> 3/3	0.070/75	0.14/1.4	1.3	10
K9R□40NL-SP		200	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.17/1.7	0 <u>.</u> 65	4
N9R 40NL - SP	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	0.6	
K9R□40NC-SP		220	60	90 ~ 1700	0.26/2.6	0.07/0.7	0.16/1.6	0,64	3.5
K9K LI 40NC -SP		230	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.17/1.7	0.6	3.3
		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)	0	7.5	9	10	12.5	13		20	20	30	30	40	50	00	75	90	100	120	150	100	200
K9R□40N□-SP	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	10 100	10 100	10 100	10 100	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	109	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 <u>.95</u> 29.5	3.69 36.9	4.43 44.3	4.92 49.2	5 <u>.</u> 90 59.0	7,38 73.8	8,86 88.6	10 100

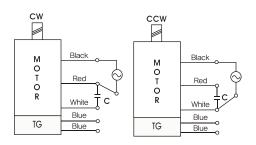
• Single-phase 200V/240V

Model		Ratio	2	3.6	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		_	15				30			50	00	75	90	100	120	150		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	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)

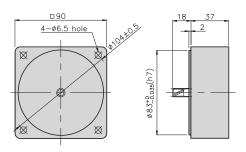
 $K9RG40N\Box -SP + K9G\Box B(C)$





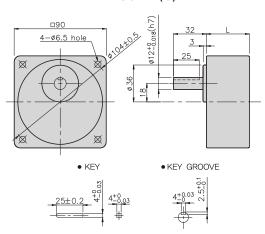
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

K9G□B(C)



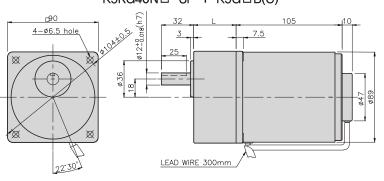
DIMENSION TABLE

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

	• •	
	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
TILAD	K9G50~200B(C)	1,14

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





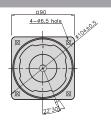
SPEED CONTROL MOTOR - SU SERIES

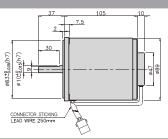


□90mm

K9□S40N□-SU







SPECIFICATIONS

40W continuous rating, four poles

Mode	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)
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
K9III 40NJ-50		100	60	90 ~ 1700	0,20/2,0	0.07/0.7	0.14/1.4	1.3	12
K9I□40NU-SU		110	60	90 ~ 1700	0.26/2.6	0,07/0,7	0.13/1.3	1,1	8
K9III 40NU-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
K91 40NL - 50	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
K911140NC-50		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	1	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							
K9G□B(C)	90	0.17 1.7	0.20	0,28 2,8	0.34	0.43	0.51 5.1	0.57 5.7	0,71 71	0.85 8.5	1.02	1.02 10.2	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	8,27 82.7	9.19 91.9

• Single-phase 200V/240V

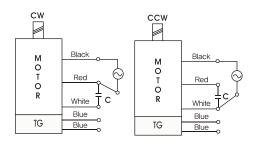
	Model	Ratio	2	3.6	5	6	75	0	10	125	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Mot	or/Gearhead	Speed(rpm)	3	_		0	7.5	9	10	• •	13		20	25		30	40	30	00	/3	30	100	120	130		200
		200V/220V/ 230V/240V/50H		0.87 8.7	1.22 12.2	1.46 14.6	1.82 18.2	2.19 21.9	2.43 24.3	3.04 30.4	3,65 36.5	4.37 43.7	4.37 43.7	5.47 54.7	6.56 65.6	7.87 78.7	8.75 87.5	10 100								
	□40N□-SU (9G□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	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 7,7	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)

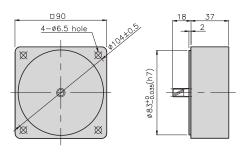


K9IG40N□-SU + K9G□B(C)



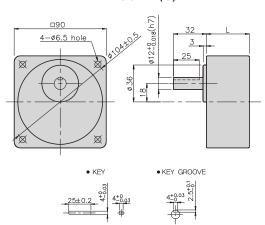
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

K9G□B(C)



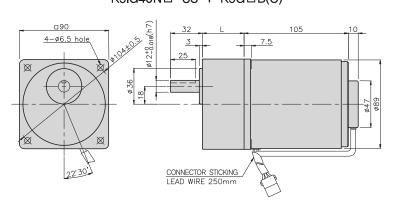
DIMENSION TABLE

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

	PART	WEIGHT(kg)
	MOTOR	2,48
DECIMA	AL GEAR HEAD	0,60
	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

<u> </u>		\ /- H			Ctort T	Dotod T	0	Candanaar
Model		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 <u>.</u> 86	0.21/2.1	0.315/3.15	1250	12
K91 40103(-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
K9I□40I10(1, 13)		115	00	0.68	0.2/2		1550	0
K9I□40NL(-T, -T5)		200	50	0.4	0.22/2.2	0.315/3.15	1250	3
1(91 <u>1</u> 1401 1 E(1, 19)	single-phase	200	60	0.41	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
K91□4010C(1, 15)		230	50	0.4	0.26/2.6	0.315/3.15	1250	
		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	_
R91□40101(1, 13)		200	60	0.32	0.78/7.8	0.245/2.45	1600	
		220	50	0 <u>.</u> 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] _
K9ILI40NH(-1, -15)		230	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	0.18	1/10	0.29/2.9	1350	_
K91□40NN(-1, -15)	liliee priase	300	60	0,16	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	
N3104011V(-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	
Kaid 4011Q(-1, -15)			60	0 <u>.</u> 14	0.72/7.2	0 245/2 45	1600	
K9I□40NZ(-T, -T5)		440	50	0.19	1/10	0.29/2.9	1350	
Nai140112(-1, -15)		440	60	0.16	0.79/7.9	0.245/2.45	1600	1

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

RATED TORQUE OF GEARHEAD

• 50Hz

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

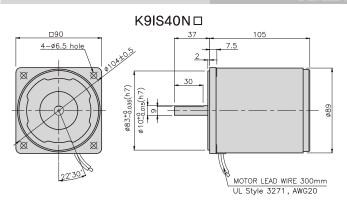
Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	75
Motor/	opeca(ipiii)	000	+10	000	200	200	100	100	120	100	00	, 0	00	00	+	0,	00			Ī	.0	12.0	10	0,0	
Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	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
K9G	□B(C)	7 <u>.</u> 0	8 <u>.</u> 5	11.7	14.1	17.6	21.1	23.5	29.4	35.2	42.3	42 <u>.</u> 3	52.9	63.4	76.1	84.6	100	100	100	100	100	100	100	100	100

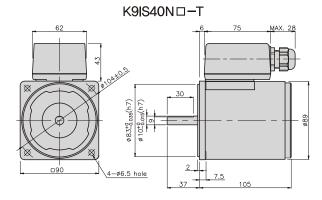
• 60Hz

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/	opeca(.p,	000	000	000	000			.00											'						
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
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	29.8	35.7	35.7	44.7	53.6	64.3	71.4	80.4	100	100	100	100	100	100	100	100

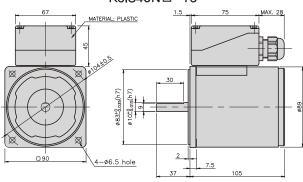
- * Gearhead and decimal gearhead are sold separately.
- * The code in $\hfill\Box$ of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
-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



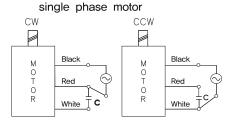


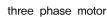
K9IS40N□-T5

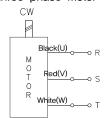


CONNECTION DIAGRAMS

K9IS40N□



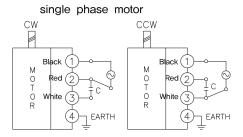




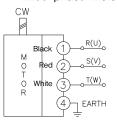
connecting two leadwires of U,V,W in turns

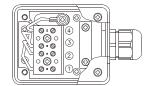
The direction of motor rotation is as viewed from the front shaft end of the motor

K9IS40N□-T



three phase motor

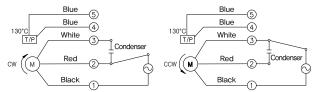




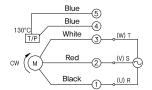
The direction of motor rotation is as viewed from the front shaft end of the motor

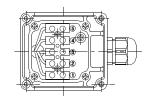
K9IS40N□-T5

single phase motor



three phase motor





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





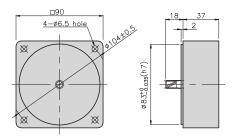
DIMENSIONS

K9G□B(C)



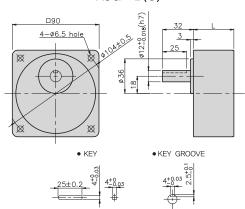
DECIMAL GEARHEAD

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

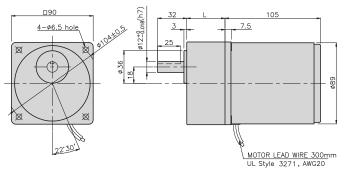
DIMENSION TABLE

PART No	L	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

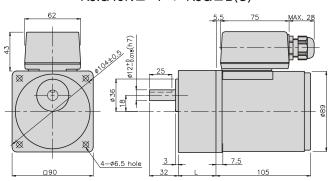
WEIGHT

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

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



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



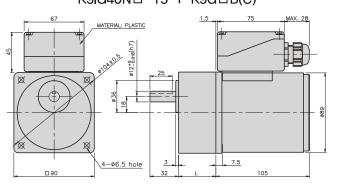
DIMENSION TABLE

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

+000 continuous rating, i	loui poics								
Mode		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	
K9KU40N0(-1, -15)		100	60	1,13	0.33/3.3	0.255/2.55	1550	10	
K9R□40NU(-T, -T5)		110	- 60	0 <u>.</u> 8	0.2/2	0,26/2,6	1500	10	
K9R□40N0(=1, =15)		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□40NL(-1, -15)	single-phase	200	60	0 <u>.</u> 57	0.5/5	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	
K9R□40NC(=1, =15)		220	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 <u>.</u> 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	0,87	1,22	1.46	1,82	2,19	2,43	3 <u>.</u> 04	3,65	4 <u>.</u> 37	4.37	5,47	6,56	7 <u>.</u> 87	8.75	10	10	10	10	10	10	10	10	10
K9Gt	⊐B(C)	7.3	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 <u>.</u> 5	100	100	100	100	100	100	100	100	100

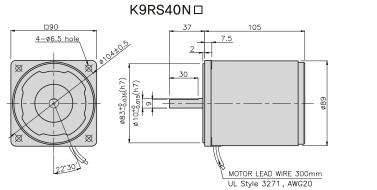
• 60Hz

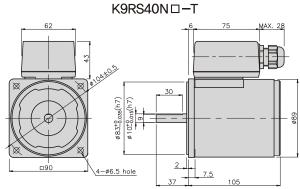
																								,		
Мо	odel	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Mo Gea	otor/ irhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I	R□40N□	□(-T, -T5)	0 <u>.</u> 62	0 <u>.</u> 74	1.03	1 <u>.</u> 24	1,55	1,86	2.07	2,58	3,10	3 <u>.</u> 72	3.72	4 <u>.</u> 65	5,58	6,69	7.44	8 <u>.</u> 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.

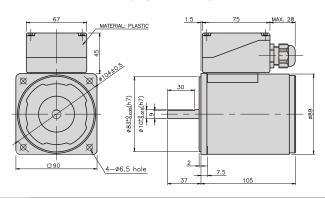


DIMENSIONS



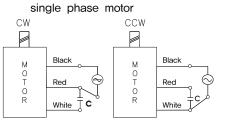


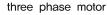
K9RS40N□-T5

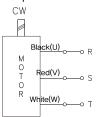


CONNECTION DIAGRAMS

K9RS40N□



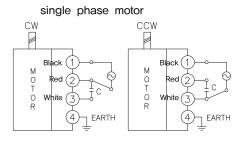




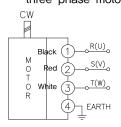
connecting two leadwires of U,V,W in turns

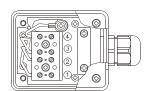
The direction of motor rotation is as viewed from the front shaft end of the motor

K9RS40N□-T



three phase motor

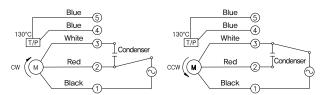




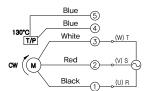
The direction of motor rotation is as viewed from the front shaft end of the motor

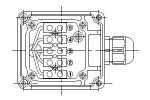
K9RS40N□-T5

single phase motor



three phase motor





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



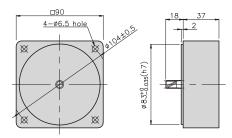
DIMENSIONS

K9G□B(C)



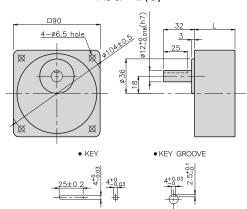
DECIMAL GEARHEAD

K9G10BX



GEAR HEAD

K9G□B(C)

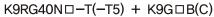




DIMENSIONS

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







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					
LILAD	K9G50~200B(C)	1,14					

DIMENSION TABLE

PART No	L	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				
OFAD	K9G3~18B(C)	0,78				
GEAR HEAD	K9G20~40B(C)	1.04				
TILAD	K9G50~200B(C)	1,14				

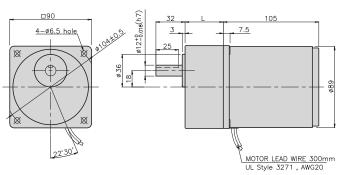
DIMENSION TABLE

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

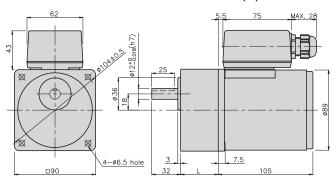
WEIGHT

WEIGHT .											
	PART	WEIGHT(kg)									
	MOTOR	2,52									
DECIMA	AL GEAR HEAD	0.60									
GEAR HEAD	K9G3~18B(C)	0,78									
	K9G20~40B(C)	1.04									
	K9G50~200B(C)	1.14									

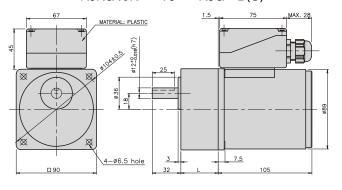
$K9RG40N\Box + K9G\Box B(C)$



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



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



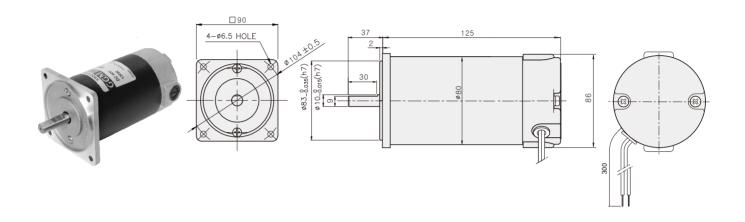


DC MOTOR

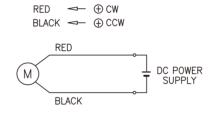


□90mm

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	

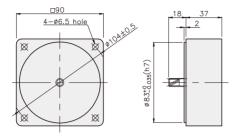
^{*} \square : Shaft shape (S : Straight, G: Pinion)



DIMENSIONS

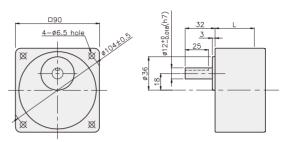
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

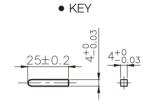
K9G□B(C)

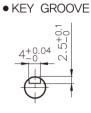


KEY SPEC









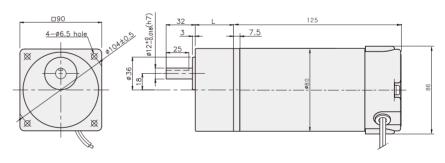
DIMENSION TABLE

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

K9DG40N□ + K9G□B(C)



RATED TORQUE OF GEARHEAD

K9G□B(C)

•																									
Motor/ Gear	Speed (rpm)		833	600	500	400	333	300	240	200	167	150	120	100	83	75	60	50	40	33	30	25	20	17	15
head	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