

SPEED CONTROL MOTORS(SP)



SPEED CONTROL MOTOR - SP SERIES

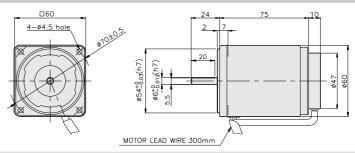


□60mm

INDUCTION MOTOR







SPECIFICATIONS

6W 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)
K6I□6NJ-SP		100	50	90 ~ 1400	0.05/0.5	0.03/0.3	0.029/0.29	0.28	3
Koll-ons-SP		100	60	90 ~ 1700	0,00,0,0	0,03/0,3	0.029/0.29	0.26	3
K6I□6NU-SP		110	60	90 ~ 1700	0.05/0.5	0.03/0.3	0.03/0.3	0,24	2
KOILI ONO-SP		115	00	90 / 3 1/00	0,00,0,0	0.03/0.3	0,03/0,3	0,24	2
K6I□6NL-SP		200	50	90 ~ 1400	0.05/0.5	0.029/0.29	0.03/0.3	0.19	0,8
ROID ONE SP	single-phase	200	60	90 ~ 1700	0.00/0.5	0.029/0.29	0.03/0.3	0.19	0.8
		220	50	90 ~ 1400			0.029/0.29		
K6I□6NC-SP		220	60	90 ~ 1700	0.05/0.5	0,029/0,29	0.027/0.27	0,2	0.6
KOI LONG-SP		220	50	90 ~ 1400	0,00,0,0	0.029/0.29	0.020/0.20	0.2	0.0
		230	60	90 ~ 1700			0.029/0.29		
K6I□6ND-SP		240	50	90 ~ 1400	0.05/0.5	0.029/0.29	0.03/0.3	0,21	0.5

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

unit = above : N·m / below : Kgf·cm

Model	Ratio	2	26	_		75	0	10	12.5	15	10	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250
Motor/Gearhead	Speed(rpm)	٥	3.0)	0	7.5	Э	10	12.5	13	10	20	20	30	30	40	50	00	15	90	100	120	150	100	200	250
K6I□6N□-SP	1200	0.12 1.2	0,15 1,5	0.20 2.0	0.24 2.4	0.30 3.0	0.36 3.6	0,41 4,1	0.51 5.1	0,61 6,1	0,73 7,3	0.73 7.3	0,91 9,1	1,09 10,9	1,31 13,1	1.46 14.6	1,64 16,4	1,97 19,7	2.46 24.6	2,95 29,5	3 30	3 30	3 30	3 30	3 30	3 30
K6G□B(C)	90	0.07 0.7	0.08 0.8	0,12 1,2	0.14 1.4	0.18 1.8	0.21 2.1	0.23 2.3	0,26 2,6	0.32 3.2	0.42	0,42 4,2	0,53 5,3	0,63 6,3	0,76 7,6	0.85 8.5	0.95 9.5	1.14 11.4	1.43 14.3	1,71 17,1	1,90 19,0	2,28 22,8	2,85 28,5	3 30	3 30	3 30

• Single-phase 200V/240V

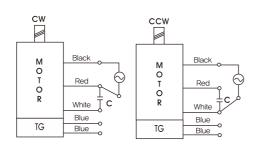
unit = above : N·m / below : Kgf·cm

Model	Ratio	3	36	5	6	75	a	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250
Motor/Gearhead	Speed(rpm)		0.0	"	"	1.0	3	10	12.0	15	10	20	20	30	50	40	50		'	30	100	120	150	100	200	200
K6I□6N□-SP	1200	0.12 1.2	0.15 1.5	0,20 2,0	0.24 2.4	0.30 3.0	0,36 3,6	0,41 4,1	0,51 5,1	0,61 6,1	0,73 7.3	0,73 7.3	0,91 9,1	1,09 10,9	1,31 13,1	1.46 14.6	1,64 16,4	1.97 19.7	2.46 24.6	2,95 29,5	3 30	3 30	3 30	3 30	3 30	3 30
K6G□B(C)	90	0.07 0.7	0.08 0.8	0.12 1.2	0.14 1.4	0.18 1.8	0,21 2,1	0.23 2.3	0.29 2.9	0,35 3,5	0,42 4.2	0.42 4.2	0.53 5.3	0.63 6.3	0.76 7.6	0.85 8.5	0.95 9.5	1.14 11.4	1.43 14.3	1,71 17,1	1,90 19.0	2.28 22.8	2.85 28.5	3 30	3 30	3 30

- * 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 3N·m/30kgf·cm.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.



CONNECTION DIAGRAMS



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

DIMENSIONS

K6G□B(C)

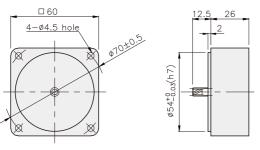


$K6IG6N\Box -SP + K6G\Box B(C)$



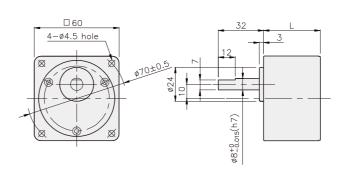
DECIMAL GEARHEAD

K6G10BX



GEARHEAD

K6G□B(C)



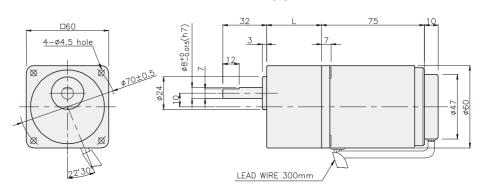
DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	30	K6G3~18B(C)	M4 P0,7 X 50
02	40	K6G20~250B(C)	M4 P0,7 X 60
03	26	K6G10BX	M4 P0,7 X 85

WEIGHT

	PART	WEIGHT(kg)
	MOTOR	0.79
DECIMA	AL GEAR HEAD	0,22
	K6G3~18B(C)	0,26
GEAR HEAD	K6G20~40B(C)	0,33
110.0	K6G50~250B(C)	0,36

K6IG6N□-SP + K6G□B(C)





SPEED CONTROL MOTOR - SP SERIES

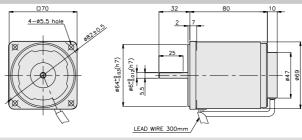


□70mm

INDUCTION MOTOR

K7IS15N□-SP





SPECIFICATIONS

15W continuous rating, four poles

15W Continuous rating, it	our poico								
				Speed		le Torque	Start T.		
Mode		Voltage(V)	Frequency	Range	1200rpm	90rpm	(N*m/	Current	Condenser
		voltago(v)	(Hz)	(rpm)	(N*m/ kgf*Cm)	(N*m/ kgf*Cm)	Kgf*Cm)	(A)	(μF)
K7I□15NJ-SP		100	50	90 ~ 1400	0,125/1,25	0.045/0.45	0,07/0,7	0.55	5
K/10 13N0-3F		100	60	90 ~ 1700	0.123/1.23	0.043/0.43	0.0770.7	0.51	3
K7I□15NU-SP		110	60	90 ~ 1700	0,125/1,25	0.045/0.45	0.07/0.7	0.47	4.5
K/ILI 13NO-3F		115	00	90 19 1700	0,120/1,20	0,040/0,40	0.075/0.75	0.5	4.5
K7I□15NL-SP		200	50	90 ~ 1400	0.125/1.25	0.04/0.4	0.08/0.8	0.3	1.5
K/ILISNE-SF	single-phase	200	60	90 ~ 1700	0.105/1.05	0.04/0.4	0.085/0.85	0.31	1.5
		220	50	90 ~ 1400	0.125/1.25		0.06/0.6	0.29	
K7I□15NC-SP		220	60	90 ~ 1700	0.105/1.05	0.04/0.4	0.00/0.0	0.28	1
MILIONO-SP		230	50	90 ~ 1400	0.125/1.25		0,065/0,65	0.3	
		230	60	90 ~ 1700	0.105/1.05		0,000/0,00	0.29	
K7I□15ND-SP		240	50	90 ~ 1400	0.125/1.25	0.04/0.4	0.07/0.7	0,32	1

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

unit = above : N·m / below : Kgf·cm

0 .		•																					,		
Model	Ratio	2	26	_	6	7.5	_	10	10 5	15	18	20	OF.	20	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)	3	3.0)	0	7.5	9	10	12,5	15	10	20	25	30	30	40	50	60	75	90	100	120	150	100	200
K7I□15N□-SP	1200	0,30 3,0	0,36 3,6	0,51 5,1	0,61 6.1	0,76 7.6	0,91 9,1	1,01 10.1	1.27 12.7	1,52 15,2	1,82 18.2	1,82 18,2	2.28 22.8	2.73 27.3	3,28 32,8	3,65 36,5	4.10 41.0	4.92 49.2	5 50	5 50	5 50	5 50	5 50	5 50	5 50
K7G□B(C)	90	0.11	0.13	0.18 1.8	0.22	0,27 2,7	0,33	0,36 3,6	0,46 4.6	0.55 5.5	0,66 6,6	0,66 6,6	0,82 8,2	0,98 9.8	1,18 11.8	1,31 13.1	1.48 14.8	1,77 17.7	2,21 22.1	2,66 26,6	2.95 29.5	3.54 35.4	4.43 44.3	5 50	5 50

• Single-phase 200V/240V

unit = above : N·m / below : Kgf·cm

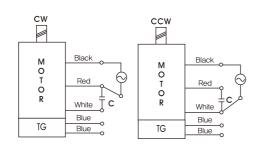
																									-
Model	Ratio	3	3.6	5	6	7.5	۵	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)]]	3.0	5	"	1.5	"	10	12.5	13	10	20	25	30	30	40	50	00	13	30	100	120	100	100	200
	200V/220V/ 230V/240V 50Hz	0.30 3.0	0.36 3.6	0,51 5,1	0,61 6,1	0.76 7.6	0,91 9,1	1.01 10.1	1,27 12,7	1,52 15,2	1,82 18,2	1,82 18,2	2,28 22,8	2,73 27,3	3,28 32,8	3,65 36,5	4.10 41.0	4.92 49.2	6,15 61,5	5 50	5 50	5 50	5 50	5 50	5 50
K7I□15N□−SP K7G□B(C)	200V/220V/ 230V/60Hz	0.26 2.6	0.31 3.1	0,43 4,3	0,51 5,1	0.64 6.4	0,77 7,7	0.85 8.5	1.06 10.6	1,28 12,8	1,53 15,3	1,53 15,3	1,91 19,1	2,30 23,0	2,76 27,6	3.06 30.6	3.44 34.4	4.13 41.3	5 50	5 50	5 50	50 50	5 50	5 50	5 50
	90	0.10	0.12	0.16 1.6	0.19	0.24	0.29 2.9	0.32	0,41 4.1	0.49	0.58 5.8	0.58 5.8	0,73 7,3	0.87 8.7	1.05 10.5	1.17 11.7	1,31 13.1	1.57 15.7	1,97 19.7	2,36 23.6	2,62 26.2	3.15	3,94 39,4	4.72 47.2	5 50

- * Gearhead and decimal gearhead are sold separately.
- * The code in

 of gearhead model is for gear ratio.
- color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth of the ratio, between the gearhead and the motor. In this case, the permissible torque is 5N·m/50kgf·cm.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.



CONNECTION DIAGRAMS



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

DIMENSIONS

K7G□B(C)

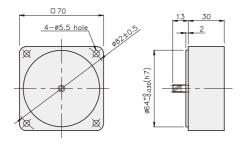


$K7IG15N\Box -SP + K7G\Box B(C)$



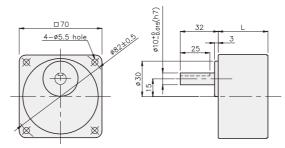
DECIMAL GEARHEAD

K7G10BX



GEARHEAD

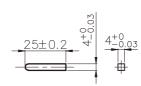
K7G□B(C)



KEY SPEC

KEY

• KEY GROOVE





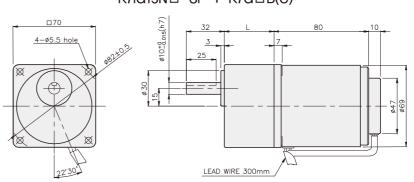
DIMENSION TABLE

PAI	RT No.	L	Application Model	Mounting BOLT
	01	32	K7G3~18B(C)	M5 P0,8 X 50
	02	42	K7G20~200B(C)	M5 P0,8 X 65
	03	30	K7G10BX	M5 P0,8 X 90

WEIGHT

	PART	WEIGHT(kg)
	MOTOR	1,16
DECIMA	AL GEAR HEAD	0,32
	K7G3~18B(C)	0,38
GEAR	K7G20~40B(C)	0,46
	K7G50~200B(C)	0,51

K7IG15N□-SP + K7G□B(C)





CONTROL MOTOR - SP SERIES

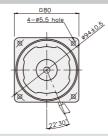


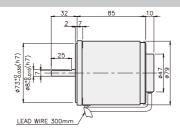
□80mm

INDUCTION MOTOR









25W continuous rating, four poles

ZOTT COTTUTACOS I	rating, loar p	70.00								
Mode	el	Maximum Output(W)	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)
K8I□25NJ-SP		25	100	50	90 ~ 1400	0,2/2	0.05/0.5	0.08/0.8	0.8	7
KOI LIZONO-SP		25	100	60	90 ~ 1700	0,2/2	0,03/0,3	0.06/0.8	0.75	,
K8I□25NU-SP		25	110	60	90 ~ 1700	0,2/2	0,05/0,5	0,08/0,8	0.67	5
KOILIZONU-SP			115	00	90 / 1/00	U, <i>L</i> / <i>L</i>	0,00,0,0	0,00/0,0	0.68	5
K8I□25NL-SP		25	200	50	90 ~ 1400	0.19/1.9	0.047/0.47	0.085/0.085	0,36	1,8
KOILIZSINL-SP	single –phase	20	200	60	90 ~ 1700	0,13/1,3	0.043/0.43	0,000/0,080	0.38	1.0
			220	50	90 ~ 1400	0.19/1.9	0.047/0.47	0.08/0.8	0.38	
VOLT SENC. CD		25	220	60	90 ~ 1700	0,13/1,3	0.043/0.43		0,35	1,5
K8I□25NC-SP		25	220	50	90 ~ 1400	0.19/1.9	0.047/0.47	0.007/0.07	0.4	1.5
			230	60	90 ~ 1700	0.13/1.3	0.043/0.43	0.087/0.87	0.36	
K8I□25ND-SP		25	240	50	90 ~ 1400	0.19/1.9	0.047/0.47	0.08/0.8	0.42	1,2

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

• Single-phase 100V/115V

unit = above : N·m / below : Kgf·cm

	•	•																						,		5
Model	Ratio		36	_		7.	_	10	40.5	45	10	00	0.5	00	00	40		60	75	00	400	100	450	400	200	050
Motor/ Gearhead	Speed(rpm)	3	5.0	5	б	7.5	9	10	12.5	15	10	20	25	30	36	40	50	00	/5	90	100	120	150	180	200	250
K8lG25N□-SP	1200	0.49 4.9	0.58 5.8	0,81 8,1	0.97 9.7	1,22 12,2	1.46 14.6	1,62 16,2	2,03 20,3	2.43 24.3	2,92 29,2	2,92 29,2	3,65 36,5	4,37 43,7	5,25 52,5	5,83 58,3	6,56 65,6	7.87 78.7	8 80	8 80	80	8 80	8 80	8 80	8 80	8 80
K8G□B(C)	90	0.12 1.2	0.15 1.5	0.20 2.0	0.24 2.4	0.30 3.0	0.36 3.6	0,41 4,1	0.51 5.1	0,61 6,1	0.73 7.3	0,73 7,3	0,91 9,1	1.09 10.9	1,31 13,1	1.46 14.6	1,64 16,4	1,97 19,7	2.46 24.6	2.95 29.5	3,28 32,8	3.94 39.4	4.92 49.2	5.90 59.0	6,56 65,6	8 80

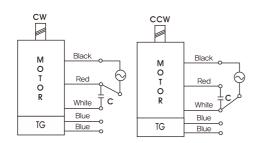
• Single-phase 200V/240V

unit = above : N-m / below : Kgf-cm

	_																								,		-
Model Motor/ Gearhead	Sp	Ratio eed(rpm)	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250
	1200	200V/220V/230V 240V/50Hz	0.46 4.6	0.55 5.5	0,77 7,7	0.92 9.2	1,15 11,5	1,39 13,9	1,54 15,4	1.92 19.2	2,31 23,1	2,77 27,7	2 <u>.</u> 77 27 <u>.</u> 7	3.46 34.6	4,16 41,6	4.99 49.9	5,54 55,4	6,23 62,3	7,48 74,8	9,35 93,5	11,22 112,2	8 80	8 80	8 80	8 80	8 80	8 80
K8IG25N□-SP	1200	200V/220V 230V/60Hz	0.32 3.2	0.38 3.8	0.53 5.3	0,63 6,3	0,79 7,9	0.95 9.5	1.05 10.5	1,32 13,2	1,58 15,8	1,90 19,0	1,90 19.0	2,37 23,7	2,84 28,4	3.41 34.1	3,79 37,9	4,26 42,6	5,12 51,2	6.40 64.0	7,68 76,8	80	80	80	8 80	88	8 80
K8G□B(C)	00	200V/220V/230V 240V/50Hz	0.11 1.1	0.14 1.4	0.19 1.9	0.23 2 <u>.</u> 3	0.29 2.9	0,34 3,4	0,38 3,8	0,48 4.8	0.57 5.7	0,69 6,9	0,69 6.9	0,86 8,6	1.03 10.3	1,23 12,3	1,37 13,7	1,54 15,4	1,85 18,5	2,31 23.1	2,78 27,8	3,08 30,8	3,70 37.0	4.63 46.3	5,55 55,5	6.17 61.7	7.71 77.1
	90	200V/220V 230V/60Hz	0.10 1.0	0.13 1.3	0.17 1.7	0.21 2.1	0.26 2.6	0.31 3.1	0,35 3,5	0.44 4.4	0.52 5.2	0,63 6,3	0,63 6,3	0,78 7,8	0.94 9.4	1,13 11,3	1,25 12,5	1.41 14.1	1,69 16,9	2.12 21.2	2,54 25,4	2.82 28.2	3,39 33,9	4.23 42.3	5.08 50.8	5,64 56,4	7.05 70.5

- * Gearhead and decimal gearhead are sold separately, * The code in $\hfill\Box$ 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 8N·m/80kgf·cm, But, if you install 1/25~1/40 gearhead, the permissible torque is 6N·m/60kgfcm. ** RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than
- indicating rpm according to load size.





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

K8G□B(C)

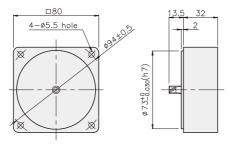


$K8IG25N\Box -SP + K8G\Box B(C)$



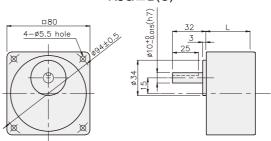
DECIMAL GEARHEAD

K8G10BX



GEARHEAD

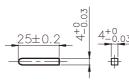
K8G□B(C)



KEY SPEC









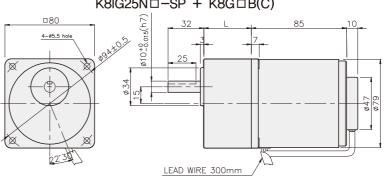
DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	32	K8G3~18B(C)	M5 P0,8 X 50
02	42,5	K8G20~250B(C)	M5 P0,8 X 65
03	32	K8G10BX	M5 P0,8 X 95

WEIGHT

	PART	WEIGHT(kg)
	MOTOR	1.60
DECIMA	AL GEAR HEAD	0.46
٥٥٨٥	K8G3~18B(C)	0,51
GEAR HEAD	K8G20~40B(C)	0.64
TILAD	K8G50~250B(C)	0.70

$K8IG25N\Box -SP + K8G\Box B(C)$





CONTROL MOTOR - SP SERIES

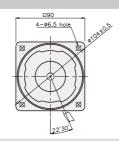


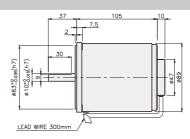
□90mm

INDUCTION MOTOR









40W continuous rating, four poles

Mode	ı	Voltage (V)	Frequency (Hz)	Speed Range (rpm)	Permissib 1200rpm (N*m/ kgf*Cm)	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	1,3	12
K31 4010 - 3F		100	60	90 ~ 1700	0,20/2,0	0.0770.7	0.14/1.4	1.5	12
K9I□40NU-SP		110	- 60	90 ~ 1700	0,26/2,6	0.07/0.7	0.13/1.3	1,1	8
K91 40 NO - SP		115	- 60	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	0.6	3
K9ILI40NL-SP	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	0.3/3		0.14/1.4	0.58	
KOLE 40NC CD		220	60	90 ~ 1700	0.23/2.3	0.063/0.63	0.13/1.3	0,62	2,5
K9I□40NC-SP		220	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	0.3/3	0.063/0.63	0.13/1.3	0.6	2

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

• Single-phase 100V/115V

unit = above : N·m / below : Kgf·cm

Model	Ratio	2	3,6	_	6	7.5		10	10.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)	٦	3.0	5	0	7.5	9	10	12.5	13	10	20	25	30	30	40	50	00	/5	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 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

• Single-phase 200V/240V

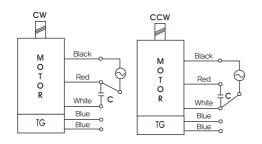
unit = above : N·m / below : Kgf·cm

Model	Ratio	2	3.6	5	6	75	٥	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)	٥	3.0)	0	1.5	9	10	12.5	13	10	20	20	30	30	40	50	00	15	90	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)	200V/220V/ 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/100kgf·cm.

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

CONNECTION DIAGRAMS



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

DIMENSIONS

K9G□B(C)

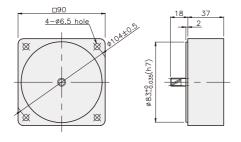
 $K9IG40N\Box -SP + K9G\Box B(C)$





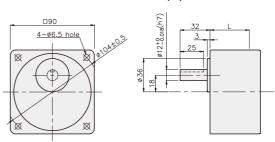
DECIMAL GEARHEAD

K9G10BX

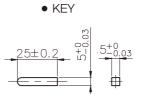


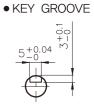
GEARHEAD

K9G□B(C)



KEY SPEC





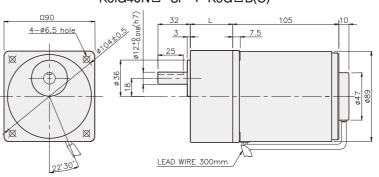
DIMENSION TABLE

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	2,48
DECIMA	AL GEAR HEAD	0,60
	K9G3~18B(C)	0,78
GEAR	K9G20~40B(C)	1.04
	K9G50~200B(C)	1,14

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





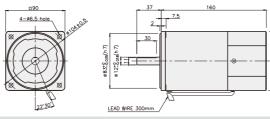
CONTROL MOTOR - SP SERIES



INDUCTION MOTOR

K9IS60F□-SP





60W 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□60FJ-SP		100	50	90 ~ 1400	0.45/4.5	0.15/1.5	0.24/2.4	2,3	20
K91□00F3=5F		100	60	90 ~ 1700	0.45/4.5	0,10/1,5	0.21/2.1	2,3	20
K9I□60FU-SP		110	60	90 ~ 1700	0.45/4.5	0,15/1,5	0,285/2,85	2	
K911160F0-SP		115	00	90 / 1/00	0.45/4.5	0,10/1,5	0,265/2,65	2.1	16
K9I□60FL-SP		200	50	90 ~ 1400	0.49/4.9	0.14/1.4	0.24/2.4	1,2	5
K9ILI OUFL-SF	single-phase	200	60	90 ~ 1700	0.45/4.5	0.16/1.6	0,21/2,1	1,2	5
		220	50	90 ~ 1400	0.49/4.9	0.14/1.4	0.24/2.4	0.91	
K9I□60FC-SP		220	60	90 ~ 1700	0.45/4.5	0.16/1.6	0.21/2.1	0.9	4
KAILIOUFC-SP		220	50	90 ~ 1400	0.49/4.9	0.14/1.4	0.24/2.4		4
		230	60	90 ~ 1700	0.45/4.5	0,16/1,6	0.24/2.4	1	
K9I□60FD-SP		240	50	90 ~ 1400	0.49/4.9	0.14/1.4	0.28/2.8	1,1	4

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

Single-phase 100V/115V

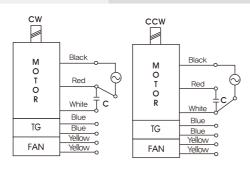
Model Ratio 3 3,6 5 6 7.5 12,5 18 20 25 30 36 40 50 60 75 90 100 120 150 180 200 Motor/Gearhead Speed(rpm) 4.10 41.0 4.92 49.2 6.56 65.6 8.86 88.6 10.63 106.3 11,81 118,1 14.76 147.6 17.71 177.1 20 200 20 200 20 200 20 200 20 200 1,82 18.2 2.19 21.9 2.73 27.3 5.90 59.0 20 200 20 200 K9I□60F□-SP K9P□B, BF

• Single-	pha	ise 200\	V/24	10V																		unit	= above	: N·m /	below:	: Kgf·cm
Model		Ratio	2	3,6	5	6	75	a	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	3.0	5	6	7.5	9	10				20			30					90	100	120	130	100	200
	1000	200V/220V/230V 240V/50Hz	1,19 11,9	1.43 14.3	1,98 19,8	2,38 23,8	2,98 29,8	3,57 35,7	3,97 39,7	4.47 44.7	5 <u>.</u> 36 53.6	6.43 64.3	7,14 71,4	8.04 80.4	9,64 96,4	11,57 115,7	12,86 128,6	16,07 160,7	19,29 192,9	20 200	20 200	20 200	20 200	20 200	20 200	20 200
K9I□60F□-SP	1200	200V/220V 230V/60Hz	1.09 10.9	1,31 13,1	1,82 18,2	2.19 21.9	2,73 27,3	3,28 32,8	3,65 36,5	4.10 41.0	4.92 49.2	5,90 59,0	6,56 65,6	7,38 73,8	8,86 88,6	10,63 106,3	11,81 118,1	14,76 147,6	17.71 177.1	20 200	20 200	20 200	20 200	20 200	20 200	20 200
K9P□B, BF	90	200V/220V/230V 240V/50Hz	0.34 3.4	0,41 4,1	0,57 5,7	0,68 6,8	0,85 8,5	1,02 10,2	1,13 11,3	1,28 12,8	1,53 15,3	1,84 18,4	2.04 20.4	2,30 23,0	2,76 27,6	3,31 33,1	3,67 36,7	4.59 45.9	5,51 55,1	6,20 62,0	7,44 74,4	8,27 82,7	9,92 99,2	12,40 124,0	14,88 148,8	16,53 165,3
	90	200V/220V 230V/60Hz	0.39 3.9	0.47 4.7	0,65 6.5	0.78 7.8	0.97 9.7	1.17 11.7	1,30 13,0	1,46 146,6	1,75 17,5	2,10 21,0	2,33 23,3	2,62 26,2	3,15 31,5	3.78 37.8	4,20 42,0	5,25 52,5	6,30 63,0	7.09 70.9	8,50 85,0	9.45 94.5	11,34 113,4	14.17 141.7	17.01 170.1	18,90 189,0

- * 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 20N·m/200kgf·cm.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.



CONNECTION DIAGRAMS



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

DIMENSIONS

К9Р□В

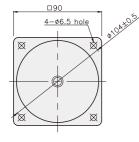


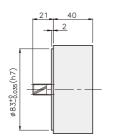
K9P□BF



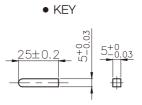
DECIMAL GEARHEAD

K9P10BX





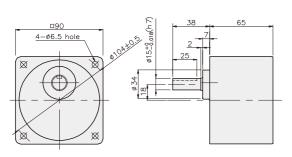
KEY SPEC



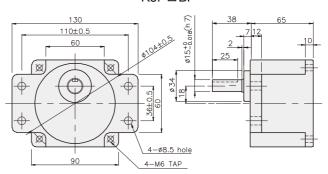


GEARHEAD

К9Р□В



K9P□BF



GEARHEADS

DIMENSIONS

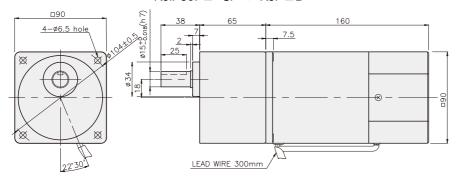
K9IP60F□-SP + K9P□B



K9IP60F□-SP + K9P□BF



K9IP60F□-SP + K9P□B

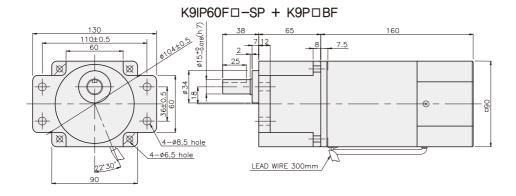


DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	65	K9P3~200B	M6 P1.0 X 95
02	40	K9P10BX	M6 P1.0 X 140

WEIGHT

	PART	WEIGHT(kg)
	MOTOR	3,06
DECIMA	AL GEAR HEAD	0,62
	K9P3~10B	1,22
GEAR	K9P12,5~20B	1,32
HEAD	K9P25~60B	1,42
	K9P75~200B	1,45



DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	65	K9P3~200BF	M6 P1,0 X 25
02	40	K9P10BX	M6 P1.0 X 65

WEIGHT

	PART	WEIGHT(kg)
	MOTOR	3,06
DECIMA	AL GEAR HEAD	0,62
	K9P3~10BF	1,22
GEAR	K9P12,5~18BF	1,30
HEAD	K9P20~60BF	1,42
	K9P75~200BF	1,44

SPEED CONTROL MOTOR - SP SERIES

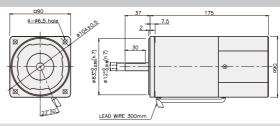
90W

□90mm

INDUCTION MOTOR

K9IS90F□-SP





SPECIFICATIONS

90W continuous rating, four poles

				Speed		le Torque	Start T.		
Mode	l	Voltage (V)	Frequency (Hz)	Range (rpm)	1200rpm (N*m/ Kgf*Cm)	90rpm (N*m/ Kgf*Cm)	(N*m/ Kgf*Cm)	Current (A)	Condenser (μF)
KOLEIOOE L CD		100	50	90 ~ 1400	0.7/7	0.22/2.2	0.26/2.6	3,2	30
K9I□90FJ-SP		100	60	90 ~ 1700	0.7/7	0.23/2.3	0.36/3.6	3,2	30
1401=00EH 0B		110	00	00 1700	0.7/7	0.00/0.0	0.05/0.5	0.0	00
K9I□90FU-SP		115	60	90 ~ 1700	0.7/7	0.23/2.3	0.35/3.5	2,6	20
MONET OF THE		000	50	90 ~ 1400	0.70/7.0	0.23/2.3	0.00/0.0	10	7
K9I□90FL-SP	single-phase	200	60	90 ~ 1700	0.73/7.3	0.26/2.6	0.36/3.6	1,3	,
		220	50	90 ~ 1400		0.23/2.3	0.26/2.6	1,1	
W012100E0 0D		220	60	90 ~ 1700	0.70/7.0	0.26/2.6	0.36/3.6		
K9I□90FC-SP		000	50	90 ~ 1400	0.73/7.3	0.23/2.3	0.4/4	1,2	6
		230	60	90 ~ 1700		0.26/2.6	0.4/4		
K9I□90FD-SP		240	50	90 ~ 1400	0.73/7.3	0.23/2.3	0.36/3.6	1,2	5

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

unit = above : N·m / below : Kgf·cm

Model	Ratio	2	26	-	6	75	0	10	12.5	15	18	20	25	20	26	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)] 3	3.0	5	0	7.5	9	10	12,5	13			20	30	30	40	50	00	/5	90	100	120	150		200
K9I□90F□-SP	1200	1.70 17.0	2,04 20,4	2,84 28,4	3.40 34.0	4,25 42,5	5,10 51,0	5,67 56,7	6,38 63,8	7,65 76,5	9,19 91,9	10,21 102,1	11.48 114.8	13,78 137,8	16,53 165,3	18,37 183,7	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200
K9P□B, BF	90	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	2.10 21.0	2,52 25,2	3.02 30.2	3,35 33,5	3 <u>.</u> 77 37.7	4.53 45.3	5.43 54.3	6.04 60.4	7,55 75,5	9.05 90.5	10,19 101,9	12.22 122.2	13,58 135,8	16,30 163,0	20 200	20 200	20 200

Single-phase 200V/240V

unit = above : $N \cdot m$ / below : $Kgf \cdot cm$

Model		Ratio	2	26	_	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	S	peed(rpm)	٦	3,6)	0	7.5	9	10		10	10	20	20	30	30	40	50	00	/5	90	100	120	150	100	200
		1200	1 <i>77</i> 17.7	2.13 21.3	2.96 29.6	3,55 35,5	4.43 44.3	5,32 53.2	5,91 59,1	6,65 66,5	7,98 79,8	9,58 95,8	10.64 106.4	11.97 119.7	14.37 143.7	17.24 172.4	19.16 191.6	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200
K9I□90F□-SP K9P□B, BF	90	200V/220V/230V 240V/50Hz	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	2,10 21,0	2,52 25,2	3.02 30.2	3,35 33,5	3 <u>.</u> 77 37 <u>.</u> 7	4.53 45.3	5.43 54.3	6.04 60.4	7,55 75,5	9.05 90.5	10,19 101,9	12,22 122,2	13,58 135,8	16,30 163,0	20 200	20 200	20 200
	90	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	2,37 23.7	2,84 28,4	3.41 34.1	3.79 37.9	4.26 42.6	5.12 51.2	6.14 61.4	6,82 68,2	8,53 85,3	10,24 102,4	11.51 115.1	13,82 138.2	15,35 153,5	18,42 184,2	20 200	20 200	20 200

- * 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 20N·m/200kgf·cm.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.



• Single-phase 100V/115V

unit = above : N·m / below : kgfcm

Model	Ratio	2	3.6	_	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)	٦	3,0)	0	7.5	9	10		15		20	20	30		40		60	75	90	100	120	150	100	200
K9I□90F□-SP	1200	1.70 17.0	2.04 20.4	2.84 28.4	3.40 34.0	4.25 42.5	5,10 51,0	5,67 56,7	6 <u>.</u> 38 63 <u>.</u> 8	7,65 76,5	9.91 91.9	10,21 102,1	11.48 114.8	13 <u>.</u> 78 137 <u>.</u> 8	16,53 165,3	18,37 183,7	22,96 229,6	27,56 275,6	30 300						
K9P□BU, BUF	90	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	2.10 21.0	2,52 25,2	3.02 30.2	3,35 33,5	3.77 37.7	4.53 45.3	5.43 54.3	6.04 60.4	7,55 75,5	9.05 90.5	10,19 101,9	12,22 122,2	13,58 135,8	16,30 163,0	20,37 203,7	24.45 244.5	27,16 271,6

• Single-phase 200V/240V

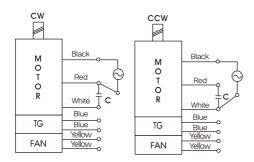
unit = above : $N \cdot m$ / below : kgfcm

Model		Ratio	2	3,6	_	6	75	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	S	peed(rpm)	٥	3.0)	0	7.5	9	10	12.5	13	10	20	20	30	30	40	50	00	75	90	100	120	150	100	200
		1200	1,77 17,7	2,13 21,3	2,96 29,6	3,55 35,5	4.43 44.3	5,32 53,2	5,91 59,1	6,65 66,5	7.98 79.8	9,58 95,8	10,64 106,4	11,97 119,7	14,37 143,7	17,24 172,4	19,16 191,6	23,95 239,5	28,74 287,4	30 300						
K9I□90F□-SP K9P□BU, BUF	00	200V/220V/230V 240V/50Hz	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	2.10 21.0	2,52 25,2	3.02 30.2	3,35 33,5	3 <u>.</u> 77 37 <u>.</u> 7	4.53 45.3	5.43 54.3	6.04 60.4	7,55 75,5	9.05 90.5	10.19 101.9	12,22 122,2	13.58 135.8	16,30 163,0	20,37 203,7	24.45 244.5	27,16 271,6
	90	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	2.37 23.7	2.84 28.4	3.41 34.1	3 <u>.</u> 79 37 <u>.</u> 9	4.26 42.6	5.12 51.2	6.14 61.4	6.82 68.2	8,53 85,3	10.24 102.4	11,51 115,1	13,82 138,2	15.35 153.5	18.42 184.2	23,03 230,3	27.63 276.3	30 300

- * Gearhead and decimal gearhead are sold separately.
- * The code in \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 30N · m/300kgfcm.

 * 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.



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

GEARHEADS

DIMENSIONS

K9P□BF, BUF

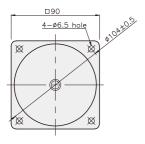
К9Р□В

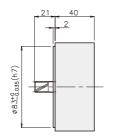


K9P□BU

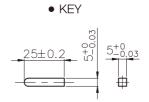
DECIMAL GEARHEAD

K9P10BX





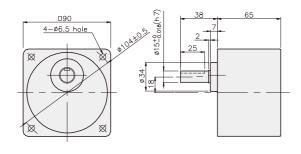
KEY SPEC



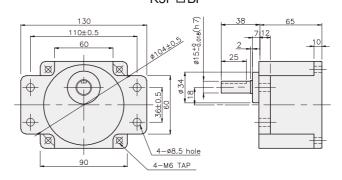


GEARHEAD

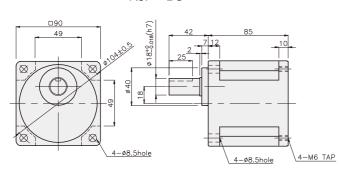
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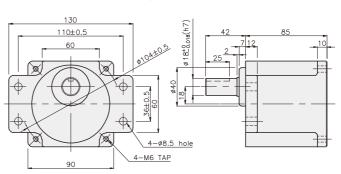
K9P□BF



K9P□BU



K9P□BUF



GEARHEADS

DIMENSIONS

K9IP90F□-SP + K9P□B



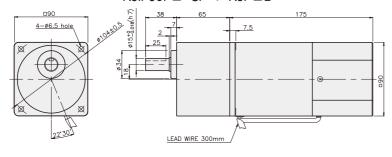




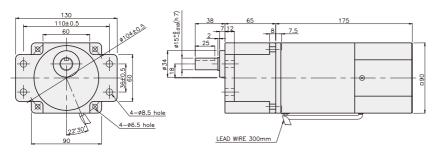




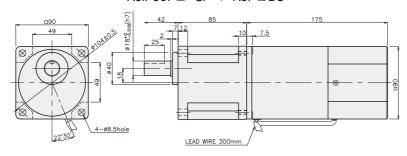
K9IP90F□-SP + K9P□B



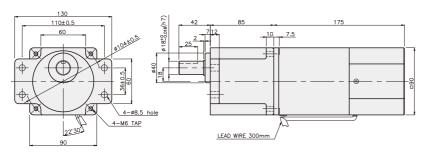
K9IP90F□-SP + K9P□BF



K9IP90F□-SP + K9P□BU



K9IP90F□-SP + K9P□BUF



WEIGHT

IGHT(kg)
3.58
0,62

DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	65	K9P3~200B	M6 P1,0 X 95
02	40	K9P10BX	M6 P1.0 X 140

WEIGHT

PART	WEIGHT(kg)
K9P3~10B	1,22
K9P12,5~20B	1,32
K9P25~60B	1,42
K9P75~200B	1,45

DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	65	K9P3~200BF	M6 P1,0 X 25
02	40	K9P10BX	M6 P1,0 X 65

WEIGHT

PART	WEIGHT(kg)
K9P3~10BF	1,22
K9P12,5~20BF	1,30
K9P25~60BF	1,42
K9P75~200BF	1,44

DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	85	K9P3~200BU	M6 P1.0 X 20
02	40	K9P10BX	M6 P1,0 X 60

WEIGHT

PART	WEIGHT(kg)
K9P3~10BU	1,44
K9P12,5~20BU	1,55
K9P25~60BU	1,69
K9P75~200BU	1,74
K9P75~200BU	1,74

DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	85	K9P3~200BUF	M6 P1.0 X 20
02	40	K9P10BX	M6 P1.0 X 65

WEIGHT

WEIGHT!	
	WEIGHT(kg)
K9P3~10BUF	1,50
K9P12,5~20BUF	1,62
K9P25~60BUF	1,76
K9P75~200BUF	1,82

CONTROL MOTOR - SP SERIES

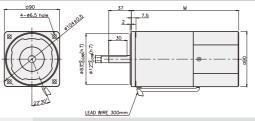


□90mm

INDUCTION MOTOR

K9□S120F□-SP





DIMENSION TABLE

PART No	М	Application Model
01	195	50Hz
02	175	60Hz

* 50Hz motor is "C50" added to model number.

120W continuous rating, four poles

Mada		Voltage	Frequency	Speed	Permissib 1200rpm	le Torque 90rpm	Start T. (N∗m/	Current	Condenser
Mode	'	(∨)	(Hz)	Range (rpm)	(N*m/ Kgf*Cm)	(N*m/ Kgf*Cm)	Kgf*Cm)	(A)	(μF)
K9I□120FJ-SP		100	50	90 ~ 1400	0,83/8,3	0.3/3	0.4/4	3.4	35
K91LI 120F3-5P		100	60	90 ~ 1700	0,03/0,3	0.3/3	0.45/4.5	3.4	35
K9I□120FU-SP		110	- 60	90 ~ 1700	0.83/8.3	0.2/2	0.45/4.5	3.2	30
K91L120F0-5P		115	00	90 / 1/00	0,03/0,3	0.3/3	0.45/4.5	3,2	30
K9I□120FL-SP		200	50	90 ~ 1400	0.83/8.3	0.28/2.8	0.4/4	1.4	8.5
K91LI 120FL-5P	single-phase	200	60	90 ~ 1700	0.8/8	0.3/3	0.4/4	1,5	8
		220	50	90 ~ 1400	0.83/8.3	0.28/2.8	0.4/4	1,2	6
K01513050 CD		230	50	90 ~ 1700	0.00/0.3	0.20/2.0		1,2	0
K9I□120FC-SP		220	00	90 ~ 1400	0.8/8	0.0/0	0.45/4.5	1.4	7
		230	60	90 ~ 1700		0.3/3	0.45/4.5	1.4	'
K9I□120FD-SP		240	50	90 ~ 1400	0.83/8.3	0.28/2.8	0.4/4	1,3	6

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

Single-phase 100V/115V

unit = above : N·m / below : Kgf·cm

Model	Ratio	2	26	5	6	75	0	10	12.5	15	10	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)] 3	3.0)	0	7.5	9	10	12,5	15	10	20	25	30	30	40	50	60	/5	90	100	120	150	100	200
K9I□120F□-SP	1200	2 <u>.</u> 02 20 <u>.</u> 2	2.42 24.2	3,36 33,6	4.03 40.3	5,04 50,4	6.05 60.5	6,72 67,2	7,56 75,6	9,08 90,8	10,89 108,9	12,10 121,0	13,61 136,1	16,34 163,4	19,60 196	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200
K9P□B, BF	90	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	2.73 27.3	3,28 32,8	3,94 39,4	4,37 43,7	4,92 49,2	5,90 59,0	7.09 70.9	7,87 78,7	9.84 98.4	11,81 118,1	13,29 132,9	15,94 159,4	17,71 177,1	20 200	20 200	20 200	20 200

• Single-phase 200V/240V

unit = above : N·m / below : Kgf·cm

Model		Ratio	2	3,6	5	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	S	peed(rpm)	٦	3.0	5	O	7.5	9		12,5		10	20	25			40	50	00	75	90	100	120	150	100	
	1200	200V/220V/230V 240V/50Hz	2 <u>.</u> 02 20 <u>.</u> 2	2.42 24.2	3,36 33,6	4.03 40.3	5.04 50.4	6.05 60.5	6.72 67.2	7,56 75,6	9,08 90,8	10,89 108,9	12,10 121,0	13,61 136,1	16,34 163,4	19,60 196	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200
K9I□120F□-SP	1200	200V/220V 230V/60Hz	1,94 19,4	2,33 23,3	3,24 32,4	3,89 38,9	4.86 48.6	5,83 58,3	6.48 64.8	7,29 72,9	8,75 87,5	10,50 105,0	11,66 116,6	13,12 131,2	15,75 157,5	18,90 189,0	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200
K9P□B, BF	00	200V/220V/230V 240V/50Hz	0.68 6.8	0.82 8.2	1,13 11,3	1,36 13,6	1.70 17.0	2.04 20.4	2 <u>.</u> 27 22.7	2,55 25,5	3,06 30,6	3,67 36,7	4.08 40.8	4.59 45.9	5,51 55,1	6,61 66,1	7 <u>.</u> 35 73.5	9.19 91.9	11,02 110,2	12.40 124.0	14.88 148.8	16,53 165,3	19.84 198.4	20 200	20 200	20 200
	90	200V/220V 230V/60Hz	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	2.73 27.3	3,28 32,8	3.94 39.4	4,37 43,7	4,92 49,2	5,90 59.0	7.09 70.9	7,87 78,7	9.84 98.4	11,81 118,1	13,29 132,9	15.94 159.4	17.71 177.1	20 200	20 200	20 200	20 200

- * 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 20N·m/200kgf·cm.

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



RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

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

Model	Ratio	2	26	_	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	Speed(rpm)] 3	3,0)	0	7.5	9		12,5	13		20		30		40	50	00	75		100	120	100	100	200
K9I□120F□-SP	1200	2.02 20.2	2.42 24.2	3,36 33,6	4.03 40.3	5,04 50,4	6.05 60.5	6.72 67.2	7,56 75,6	9.08 90.8	10,89 108,9	12,10 121,0	13,61 136,1	16,34 163,4	19,60 196.0	21,78 217,8	27,23 272,3	30 300	30 300	30 300	30 300	30 300	30 300	30 300	30 300
K9P□BU, BUF	90	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	2.73 27.3	3,28 32,8	3.94 39.4	4.37 43.7	4.92 49.2	5.90 59.0	7.09 70.9	7,87 78,7	9.84 98.4	11,81 118,1	13,29 132,9	15,94 159,4	17.71 177.1	21.26 212.6	26,57 265,7	30 300	30 300

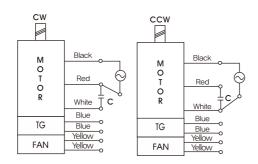
• Single-phase 200V/240V

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

Model		Ratio	2	3,6	5	6	7.5	a	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	S	peed(rpm)	٦	3.0	5	O	7.5	9	10	12.5	13	10	20	20	30	30	40	50	00	75	90	100	120	150		200
	1200	200V/220V/230V 240V/50Hz	2 <u>.</u> 02 20 <u>.</u> 2	2.42 24.2	3,36 33,6	4.03 40.3	5.04 50.4	6.05 60.5	6.72 67.2	7,56 75,6	9.08 90.8	10,89 108,9	12,01 120,1	13,61 136,1	16,34 163,4	19,60 196,0	21,78 217,8	27,23 272,3	30 200	30 300	30 300	30 300	30 300	30 300	30 300	30 300
K9I□120F□-SP	1200	200V/220V 230V/60Hz	1,94 19,4	2,33 23,3	3,24 32,4	3.89 38.9	4.86 48.6	5,83 58,3	6.48 64.8	7,29 72,9	8,75 87,5	10,50 105,0	11,66 116,6	13,12 131,2	15,75 157,5	18,90 189,0	21,00 210,0	26,24 262,4	300 300	30 300	30 300	300 300	300 300	300	30 300	30 300
K9P□BU, BUF	00	200V/220V/230V 240V/50Hz	0,68 6,8	0,82 8,2	1,13 11,3	1,36 13,6	1,70 17.0	2.04 20.4	2,27 22.7	2,55 25,5	3.06 30.6	3,67 36,7	4.08 40.8	4.59 45.9	5,51 55,1	6,61 66,1	7,35 73,5	9.19 91.9	11,02 110,2	12.40 124.0	14,88 148,8	16,53 165,3		24.80 248.0		30 300
	90	200V/220V 230V/60Hz	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	2,73 27,3	3,28 32,8	3,94 39,4	4,37 43,7	4.92 49.2	5,90 59,0	7.09 70.9	7,87 78,7	9.84 98.4	11,81 118,1	13,29 132,9	15,94 159,4	17.71 177.1	21,26 212,6	26,57 265,7	30 300	30 300

- st Gearhead and decimal gearhead are sold separately.
- * The code in \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 30N·m/300kgfcm,
- * 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

GEARHEADS

DIMENSIONS

К9Р□В



K9P□BF, BUF

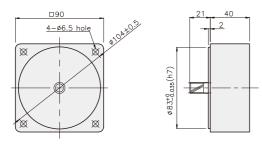


K9P□BU

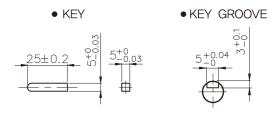


DECIMAL GEARHEAD

K9P10BX

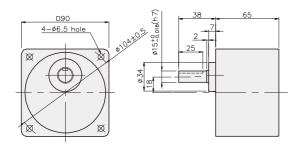


KEY SPEC

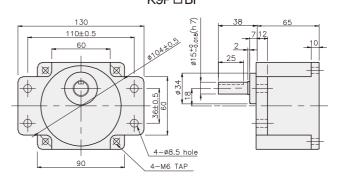


GEARHEAD

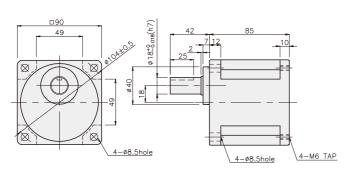
К9Р□В



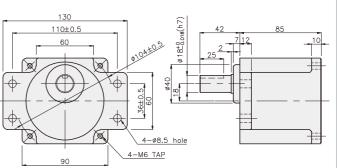
K9P□BF



K9P□BU



K9P□BUF



GEARHEADS

DIMENSIONS

K9IP120F□-SP + K9P□B

K9IP120F□-SP + K9P□BF, BUF

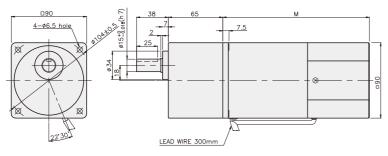
K9IP120F□-SP + K9P□BU



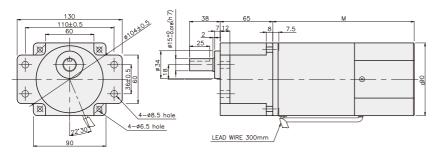




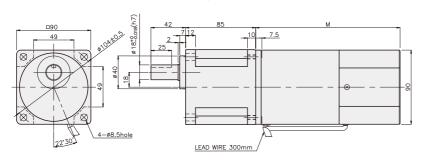
K9IP120F□-SP + K9P□B



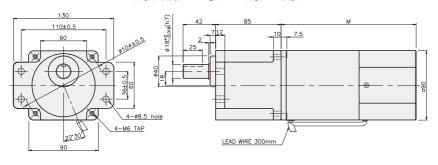
K9IP120F□-SP + K9P□BF



K9IP120F□-SP + K9P□BU



K9IP120F□-SP + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3.54
DECIMAL GEAR HEAD	0,62

DIMENSION TABLE

품번	М	적용기종
01	155	50Hz
02	135	60Hz

DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	65	K9P3~200B	M6 P1.0 X 95
02	40	K9P10BX	M6 P1,0 X 140

WEIGHT

PART						
K9P3∼10B	1,22					
K9P12,5~20B	1,32					
K9P25~60B	1,42					
K9P75~200B	1,45					

DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	65	K9P3~200BF	M6 P1,0 X 25
02	40	K9P10BX	M6 P1.0 X 65

WEIGHT

PART	WEIGHT(kg)
K9P3~10BF	1,22
K9P12,5~20BF	1,30
K9P25~60BF	1,42
K9P75~200BF	1,44

DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	85	K9P3~200BU	M6 P1,0 X 20
02	40	K9P10BX	M6 P1.0 X 60

WEIGHT

PART	WEIGHT(kg)
K9P3~10BU	1,44
K9P12,5~20BU	1,55
K9P25~60BU	1,69
K9P75~200BU	1,74

DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT							
01	85	K9P3~200BUF	M6 P1.0 X 20							
02	40	K9P10BX	M6 P1.0 X 65							

WEIGHT

PART	WEIGHT(kg)
K9P3~10BUF	1,50
K9P12,5~20BUF	1,62
K9P25~60BUF	1,76
K9P75~200BUF	1,82

CONTROL MOTOR - SP SERIES

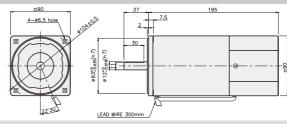


□90mm

INDUCTION MOTOR

K9□S180F□-SP





180W 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□180FJ-SP		100	50	90 ~ 1400	0,9/9	0,35/3,5	0.6/6	5,2	50
K91 LI 100FJ-5P		100	60	90 ~ 1700	0.9/9	0,33/3,3	0.65/6.5	5.5	50
K9I□180FU-SP		110	- 60	90 ~ 1700	0,9/9	0,35/3,5	0.52/5.2	4.8	35
N9I□ I80F0=3P		115	00	90 75 1700	0.5/5	0.33/3.3	0.55/5.5	5	35
KOLETTOOLI CD		200	50	90 ~ 1400	0.0/0	0.2/2	0.5/5	2.2	12
K9I□180FL-SP	single-phase	200	60	90 ~ 1700	0.9/9	0.3/3	0.42/4.2	2,2	12
		220	50	90 ~ 1400	0.0/0	0.2/2	0.45/4.5	2,2	
K9I□180FC-SP		220	60	90 ~ 1700	0.9/9	0.3/3	0.42/4.2	2	7
K9ILI 180FC-SP		220	50	90 ~ 1400	1/10	0.22/2.2	0.53/5.3	2.4	
		230	60	90 ~ 1700	1/10	0.33/3.3	0.5/5	2,2	
K9I□180FD-SP		240	50	90 ~ 1400	1/10	0.33/3.3	0.6/6	2	8

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

• Single-phase 100V/115V

unit = above : N·m / below : Kgf·cm

Model	Ratio	2	26	_	6	7.5	0	10	10 E	15	18	20	OF.	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)] 3	3,6))	0	7.5	9	10	12,5	10	10	20	25	30	30	40	50	00	75	90	100	120	150		200
K9I□180F□-SP	1200	2.19 21.9	2,62 26,2	3,65 36,5	4.37 43.7	5.47 54.7	6.56 65.6	7,29 72,9	8 <u>.</u> 20 82.0	9.84 98.4	11,81 118,1	13,12 131,2	14.76 147.6	17.71 177.1	21,26 212,6	23.62 236.2	29,52 295,2	30 300	30 300	30 00	30 300	30 300	30 300	30 300	30 300
K9P□BU, BUF	90	0.85 8.5	1.02 10.2	1.42 14.2	1.70 17.0	2.13 21.3	2,55 25,5	2.84 28.4	3,19 31,9	3.83 38.3	4.59 45.9	5,10 51,0	5.74 57.4	6.89 68.9	8,27 82,7	9.19 91.9	11.48 114.8	13.78 137.8	15,50 155,0	18,60 186,0	20,67 206,7	24.80 248.0	30 300	30 300	30 300

Single-phase 200V/240V

unit = above : N-m / below : Kgf-cm

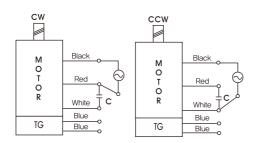
Model		Ratio	2	3.6	5	6	7.5	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	S	peed(rpm)	١٥	3.0	5	0	7.5	9	10	12.5	10	10	20	20	30	30	40	30	00	/5	90	100	120	150	100	200
	1200	200V/220V 50V/60Hz	2,19 21,9	2,62 26,2	3,65 36,5	4,37 43.7	5.47 54.7	6,56 65,6	7,29 72,9	8,20 82,0	9,84 98,4	11,81 118,1	13,12 131,2	14,76 147,6	17,71 177,1		23,62 236,2		30 300	30 300	30 300	30 300	30 300	30 300	30 300	30 300
K9I□180F□-SP	1200	230V/50Hz/60Hz 240V/50Hz		2,92 29,2	4.05 40.5	4.86 48.6	6,08 60,8	7,29 72,9	8,10 81,0	9,11 91,1	10,94 109,4	13,12 132,2	14.58 145.8	16.40 164.0	19,68 197	236	26,24 262		300 300	30 300	30 300	30 300	30 300	300 300	300 300	30 300
K9P□BU, BUF	90	200V/220V 50Hz/60Hz	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	2,73 27,3	3,28 32,8	3,94 39,4	4,37 43,7	4.92 49.2	5,90 59,0	7.09 70.9	7,87 78,7	9.84 98.4	11,81 118,1	13,29 132,9	15.94 159.4	17.71 177.1	21,26 212,6	26.57 265.7	30 300	30 300
	90	230HZ/50Hz/60Hz 240V/50Hz	0,80 8,0	0.96 9.6	1.34 13.4	1.60 16.0	2.00 20.2	2.41 24.1	2.41 24.1	3 <u>.</u> 34 33 <u>.</u> 4	4.01 40.1	4.81 48.1	5,35 53,5	5.41 54.1	6.50 65.0	7.79 77.9	8,66 86,6	10.83 108.3	12.99 129.9	14.61 146.1	17.54 175.4	19.49 194.9	23.38 233.8	29.23 292.3	30 300	30 300

- * 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 30N·m/300kgf·cm,

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

GEARHEADS

CONNECTION DIAGRAMS



 $\ensuremath{\mbox{\%The}}$ direction of motor rotation is as viewed from the front shaft end of the motor

DIMENSIONS

K9P□BU

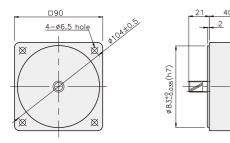


K9P□BUF

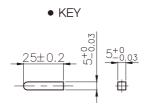


DECIMAL GEARHEAD

K9P10BX



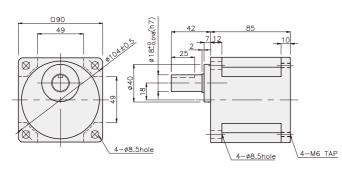
KEY SPEC



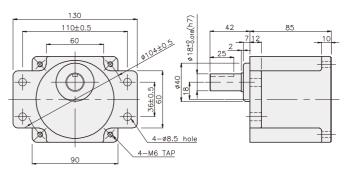


GEARHEAD

K9P□BU



K9P□BUF



DIMENSIONS

K9IP180F□-SP + K9P□BU



K9IP180F□-SP + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	4.24
DECIMAL GEAR HEAD	0,62

DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	85	K9P3~200B	M6 P1.0 X 20
02	40	K9P10BX	M6 P1,0 X 60

WEIGHT

PART	WEIGHT(kg)
K9P3~10BU	1,44
K9P12,5~20BU	1,55
K9P25~60BU	1,69
K9P75~200BU	1,74

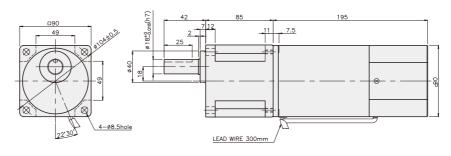
DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	85	K9P3~200BUF	M6 P1,0 X 20
02	40	K9P10BX	M6 P1.0 X 65

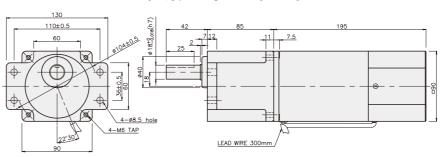
WEIGHT

PART	WEIGHT(kg)
K9P3~10BUF	1,50
K9P12.5~20BUF	1.62
K9P25~60BUF	1,76
K9P75~200BUF	1,82

K9IP180F□-SP + K9P□BU



K9IP180F□-SP + K9P□BUF



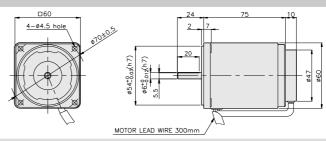


CONTROL MOTOR - SP SERIES

□ 60mm

REVERSIBLE MOTOR





6W 30 minutes 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)
K6R□6NJ-SP		100	50	90 ~ 1400	0.052/0.52	0.035/0.35	0.027/027	0,28	3
KOK LIGHT-SP		100	60	90 ~ 1700	0.002/0.02	0,035/0,35	0.021/021	0,26	3
K6R□6NU-SP		110	- 60	90 ~ 1700	0.052/0.52	0,035/0,35	0.035/0.35	0,32	2,5
KOK LIGHO-SP		115	00	90 10 1700	0.032/0.32	0.033/0.33	0.033/0.33	0,32	2,5
VEDITENI SD		200	50	90 ~ 1400	0.06/0.6	0.038/0.38	0.037/0.37	0.2	1
K6R□6NL-SP	single-phase	200	60	90 ~ 1700	0.00/0.0	0.030/0.38	0.037/0.37	0.2	'
		220	50	90 ~ 1400	0.052/0.52	0.03/0.3	0.035/0.35	0.2	
K6R□6NC-SP		220	60	90 ~ 1700	0.002/0.02	0,03/0,3	0.033/0.33	0.22	0.8
KOKLIONC-SP		230	50	90 ~ 1400	0.06/0.6	0.038/0.38	0.035/0.35	0.2	0.8
		230	60	90 ~ 1700	0.00/0.0	0.030/0.38	0.033/0.33	0,22	
K6R□6ND-SP		240	50	90 ~ 1400	0.052/0.52	0.03/0.3	0.035/0.35	0.22	0.6

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

• Single-phase 100V/115V

unit = above : N·m / below : Kgf·cm

0 1	•	•																								
Model	Ratio	2	26	5	6	7.5	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250
Motor/Gearhead	Speed(rpm)	٦	3.0)	0	7.5	Э	10	12,5	13	10	20	20	30	30	40	50	00	75	90	100	120	130	100	200	230
K6R□6N□-SP	1200	0.13 1.3	0.15 1.5	0,21 2,1	0.25 2.5	0.32 3.2	0,38 3,8	0,42 4 <u>.</u> 2	0.53 5.3	0,63 6,3	0,76 7.6	0,76 7,6	0,95 9,5	1.14 11.4	1,36 13,6	1,52 15,2	1.71 17.1	2.05 20.5	2,56 25,6	3 30	3 30	3 30	3 30	3 30	3 30	3 30
K6G□B(C)	90	0.09	0.10	0.14 1.4	0.17 17	0.21 2.1	0.26 2.6	0.28 2.8	0.35 3.5	0,43 43	0.51 5.1	0.51 5.1	0.64 6.4	0,77 7,7	0.92 9.2	1.02 10.2	1,15 11.5	1,38 13.8	1,72 17,2	2.07 20.7	2,30 23,0	2,76 27,6	3 30	30	3 30	3 30

Single-phase 200V/240V

unit = above : N-m / below : Kgf-cm

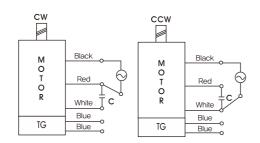
Model		Ratio	2	26	E	6	7.5	0	10	12.5	15	18	20	OF.	30	36	40	ΕO	60	75	00	100	120	150	180	200	OE O
Motor/Gearhead	S	peed(rpm)	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	30	40	50	60		90	100	120	150	180	200	250
	1200	200V/230V 50Hz/60Hz	0.15 1.5	0.17 1.7	0.24 2.4	0.29 2 <u>.</u> 9	0.36 3.6	0,44 4,4	0,49 4,9	0,61 6,1	0.73 7.3	0,87 8,7	0.87 8.7	1.09 10.9	1,31 13,1	1,57 15,7	1,75 17,5	1,97 19,7	2,36 23,6	2,95 29,5	3 30	3 30	3 30	3 30	3 30	3 30	3 30
K6R□6N□-SP	1200	220V/50Hz/60Hz 240V/50Hz	0.13 1.3	0.15 1.5	0,21 2,1	0,25 2,5	0.32 3.2	0.38 3.8	0,42 4,2	0.53 5.3	0.63 6.3	0.76 7.6	0,76 7,6	0.95 9.5	1,14 11,4	1,36 13,6	1,52 15,2	1,71 17,1	2.05 20.5	2,56 25,6	3 30	3 30	3 30	3 30	3 30	3 30	3 30
K6G□B(C)	00	200V/230V 50Hz/60Hz	0.09 0.9	0,11 1,1	0.15 1.5	0.18 1.8	0.23 2.3	0.28 2.8	0.31 3.1	0.38 3.8	0,46 4,6	0.55 5.5	0.55 5.5	0.69 6.9	0.83 8.3	1 <u>.</u> 00 10 <u>.</u> 0	1,11 11,1	1,25 12,5	1,50 15,0	1.87 18.7	2 <u>.</u> 24 22 <u>.</u> 4	2.49 24.9	2 <u>.</u> 99 29 <u>.</u> 9	3 30	3 30	3 30	3 30
	90	220V/50Hz/60Hz 240V/50Hz	0.07 0.7	0.09	0.12 1.2	0.15 1.5	0.18 1.8	0.22 2.2	0.24 2.4	0.30	0.36 3.6	0.44 4.4	0,44 4.4	0.55 5.5	0.66 6.6	0.79 7.9	0.87 8.7	0.98 9.8	1,18 11.8	1.48 14.8	1,77 17.7	1,97 19.7	2,36 23,6	2,95 30	3 30	3 30	3

- * 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 3N·m/30kgf·cm.

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



CONNECTION DIAGRAMS



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

DIMENSIONS

K6G□B(C)

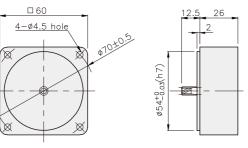


K6RG6N□-SP + K6G□B(C)



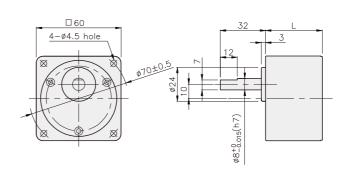
DECIMAL GEARHEAD

K6G10BX



GEARHEAD

K6G□B(C)



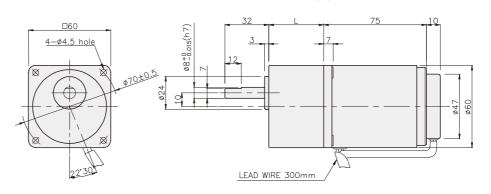
DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	30	K6G3~18B(C)	M4 P0,7 X 50
02	40	K6G20~250B(C)	M4 P0,7 X 60
03	26	K6G10BX	M4 P0,7 X 85

WEIGHT

	PART	WEIGHT(kg)
	MOTOR	0,79
DECIMA	AL GEAR HEAD	0,22
	K6G3~18B(C)	0,26
GEAR	K6G20~40B(C)	0,33
I IIIAD	K6G50~250B(C)	0,36

$K6RG6N\Box -SP + K6G\Box B(C)$





SPEED CONTROL MOTOR - SP SERIES

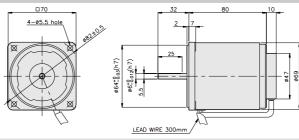


□70mm

REVERSIBLE MOTOR







SPECIFICATIONS

15W 30 minutes 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)
VZD ELIEN L. CD		100	50	90 ~ 1400	0.14/1.4	0.05/0.5	0.005/0.05	0.56	7
K7R□15NJ-SP		100	60	90 ~ 1700	0.14/1.4	0.05/0.5	0.085/0.85	0.58	,
K7R□15NU-SP		110	60	90 ~ 1700	0.14/1.4	0.05/0.5	0.085/0.85	0.58	6
K/KLISINO-SP		115	60	90 /3 1/00	0.14/1.4	0.05/0.5	0.065/0.65	0,56	0
K7R□15NL-SP		200	50	90 ~ 1400	0.135/1.35	0.055/0.55	0.00/0.0	0,31	- 2
K/R LISINE—SP	single-phase	200	60	90 ~ 1700	0.115/1.15	0.055/0.55	0.09/0.9	0.33	2
		220	50	90 ~ 1400	0.135/1.35	0.05/0.5	0.00/0.0	0.3	
K7R□15NC-SP		220	60	90 ~ 1700	0.115/1.15	0.05/0.5	0.08/0.8	0.33	1.5
K/R LISINC—SP		220	50	90 ~ 1400	0,135/1,35	0.055/0.55	0.005/0.05	0.3	1,5
		230	60	90 ~ 1700	0.115/1.15	0.055/0.55	0.085/0.85	0.33	
K7R□15ND-SP		240	50	90 ~ 1400	0.135/1.35	0.05/0.5	0.09/0.9	0.34	1.5

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

unit = above : N·m / below : Kgf·cm

Model	Ratio	2	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)	٥	3,0	5	0	7.5	9	10	12.5	10	10	20	25	30	30	40	50	00	75	90	100	120	150	100	200
K7R□15N□-SP	1200	0.34 3.4	0,41 4,1	0.57 5.7	0,68 6,8	0,85 8,5	1.02 10.2	1,13 11,3	1.42 14.2	1,70 17.0	2.04 20.4	2.04 20.4	2,55 25,5	3,06 30,6	3,67 36,7	4.08 40.8	4.59 45.9	5 50	5 50	5 50	5 50	5 50	5 50	5 50	5 50
K7G□B(C)	90	0.12 1.2	0.15 1.5	0.20 2.0	0.24 2.4	0.30 3.0	0.36 3.6	0.41 4.1	0,51 5,1	0,61 6.1	0.73 7.3	0.73 7.3	0,91 9,1	1,09 10,9	1,31 13,1	1.46 14.6	1,64 16,4	1,97 19.7	2.46 24.6	2,95 29,5	3,28 32,8	3.94 39.4	4.92 49.2	5 50	5 50

• Single-phase 200V/240V

unit = above : N·m / below : Kgf·cm

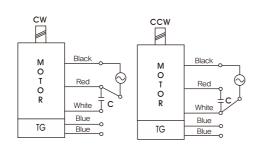
Model		Ratio	2	3,6	5	6	75	٥	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	S	peed(rpm)	٥	3.0)	_	7.5	9			15		20	25	30	30	40	30	00	75	90	100	120	150	100	200
	1000	200V/220V/230V 240V/50Hz	0,33 3,3	0,39 3,9	0,55 5,5	0,66 6,6	0.82 8.2	0.98 9.8	1.09 10.9	1.37 13.7	1,64 16,4	1.97 19.7	1.97 19.7	2.46 24.6	2,95 29,5	3.54 35.4	3,94 39,4	4.43 44.3	5 50	5 50	5 50	5 50	5 50	5 50	5 50	5 50
K7R□15N□-SP	1200	200V/220V 230V/60Hz	0.28 2.8	0.34 3.4	0.47 4.7	0.56 5.6	0.70 7.0	0.84 8.4	0.93 9.3	1,16 11,6	1.40 14.0	1,68 16,8	1,68 16,8	2,10 21,0	2,52 25,2	3,02 30,2	3,35 33,5	3.77 37.7	4,53 45,3	5 50	5 50	5 50	5 50	5 50	5 50	5 50
K7G□B(C)	00	220V/230V 50Hz/60Hz	0.13 1.3	0.16 1.6	0.22 2.2	0.27 2.7	0.33 3.3	0,40 4,0	0,45 4,5	0,56 5,6	0,67 6.7	0,80 8,0	0,80 8,0	1.00 10.0	1,20 12,0	1.44 14.4	1,60 16.0	1.80 18.0	2.17 21.7	2,71 27,1	3,25 32,5	3.61 36.1	4.33 43.3	5 50	5 50	5 50
	90	220V/50Hz/60Hz 240V/50Hz	0.12 1.2	0.15 1.5	0.20 2.0	0,24 2.4	0.30	0,36 3,6	0,41 4.1	0,51 5.1	0,61 6.1	0,73 7.3	0,73 7,3	0,91 9.1	1.09 10.9	1,31 13.1	1.46 14.6	1.64 16.4	1,97 19.7	2.46 24.6	2,95 29.5	3,28 32,8	3,94 39,4	4,92 49.2	5 50	5 50

- * Gearhead and decimal gearhead are sold separately.
- * The code in

 of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth of the ratio, between the gearhead and the motor, In this case, the permissible torque is 5N·m/50kgf·cm.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.



CONNECTION DIAGRAMS



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

DIMENSIONS

K7G□B(C)

K7RG15N□-SP + K7G□B(C)



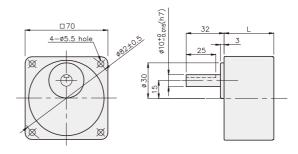


DECIMAL GEARHEAD

K7G10BX



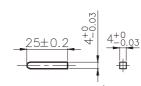
K7G□B(C)



KEY SPEC



• KEY GROOVE





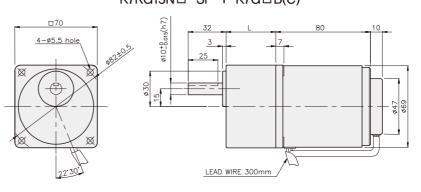
DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	32	K7G3~18B(C)	M5 P0,8 X 50
02	42	K7G20~200B(C)	M5 P0,8 X 65
03	30	K7G10BX	M5 P0,8 X 90

WEIGHT

	PART	
	MOTOR	1,16
DECIMA	AL GEAR HEAD	0,32
	K7G3~18B(C)	0,38
GEAR	K7G20~40B(C)	0.46
11270	K7G50~200B(C)	0,51

K7RG15N□-SP + K7G□B(C)





CONTROL MOTOR - SP SERIES

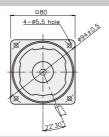


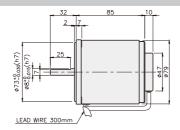
□80mm

REVERSIBLE MOTOR









25W 30 minutes rating, four poles

Mode	l	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)
K8R□25NJ-SP		100	50	90 ~ 1400	0,22/2,2	0.06/0.6	0,105/1,05	0.85	10
KOR 123NJ-SP		100	60	90 ~ 1700	0.22/2.2	0.00/0.0	0.105/1.05	0.9	10
K8R□25NU-SP		110	60	90 ~ 1700	0,22/2,2	0.06/0.6	0.1/1	0.7	6
KOR LIZSINU-SP		115	00	90 70 1700	0.22/2.2	0.00/0.0	0.1/1	0.75	0
K8R□25NL-SP		200	50	90 ~ 1400	0.21/2.1	0.055/0.55	0.11.1.1	0.4	2.5
KOR LIZONE-SP	single-phase	200	60	90 ~ 1700	0.16/1.6	0.048/0.48		0.43	2,5
		220	50	90 ~ 1400	0.21/2.1	0.055/0.55	0.09/0.9		
K8R□25NC−SP		220	60	90 ~ 1700	0.16/1.6	0.048/0.48		0.4	2
NOKUZSINC-SP		230	50	90 ~ 1400	0.21/2.1	0.055/0.55	0.1/1	0.4	
		230	60	90 ~ 1700	0.16/1.6	0.048/0.48			
K8R□25ND-SP		240	50	90 ~ 1400	0.21.2.1	0.055/0.55	0.09/0.9	0.43	1.5

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

• Single-phase 100V/115V

 $unit = above : N \cdot m \text{ / below} : Kgf \cdot cm$

Model	Ratio	2	3.6	_	6	75	0	10	12 5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250
Motor/Gearhead	Speed(rpm))	3.0)	0	7,5	9	10	12.5		10	20	20	30	30	40	50	00	75	90	100	120	150	100	200	200
K8R□25N□-SP	1200	0.53 5.3	0.64 6.4	0.89 8.9	1.07 10.7	1.34 13.4	1.60 16.0	1.78 17.8	2,23 22,3	2,67 26,7	3.21 32.1	3,21 32,1	4.01 40.1	4.81 48.1	5,77 57,7	6.42 64.2	7,22 72,2	8 80	8 80	8 80	8 80	8 80	8 80	8 80	8 80	8 80
K8G□B(C)	90	0.15 1.5	0.17 1.7	0.24 2.4	0.29 2.9	0.36 3.6	0,44 4,4	0,49 4,9	0,61 6,1	0.73 7.3	0.87 8.7	0.87 8.7	1.09 10.9	1,31 13,1	1,57 15,7	1.75 17.5	1 <u>.</u> 97 19.7	2 <u>.</u> 36 23 <u>.</u> 6	2.95 29.5	3.54 35.4	3.94 39.4	4.72 47.2	5.90 59.0	7.09 70.9	8 80	8 80

Single-phase 200V/240V

unit = above : N·m / below : Kgf·cm

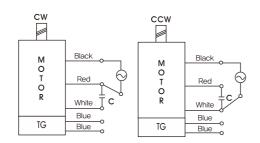
			•																								-
Model		Ratio	2	3.6	5	6	75	a	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250
Motor/Gearhead	S	peed(rpm)	٥	3,0	5	-	7.5	0					20			30	40		00	15	90	100	120	130	100	200	250
	1000	200V/220V/230V 240V/50Hz	0.51 5.1	0,61 6,1	0.85 8.5	1,02 10,2	1,28 12,8	1,53 15,3	1,70 17.0	2.13 21.3	2,55 25,5	3.06 30.6	3,06 30,6	3,83 38,3	4.59 45.9	5,51 55,1	6,12 61,2	6.89 68.9	80	8	8 80	8 80	8 80	8 80	8	8 80	80
K8R□25N□-SP	1200	200V/220V 230V/60Hz	0,39 3,9	0,47 4,7	0,65 6,5	0,78 7,8	0,97 9,7	1.17 11.7	1,30 13,0	1,62 16,2	1,94 19,4	2,33 23,3	2,33 23,3	2,92 29,2	3,50 35,0	4,20 42,0	4.67 46.7	5,25 52,5	6,30 63,0	7,87 78,7	8 80	8 80	8 80	8 80	8 80	8 80	8 80
K8G□B(C)		200V/220V/230V 240V/50Hz	0.13 1.3	0.16 1.6	0.22 2 <u>.</u> 2	0,27 2,7	0.33 3.3	0,40 4.0	0,45 4.5	0,56 5,6	0,67 6,7	0.80 8.0	0,80 8,0	1.00 10.0	1,20 12.0	1.44 14.4	1,60 16,0	1,80 18,0	2.17 21.7	2.71 27.1	3,25 32,5	3,61 36,1	4,33 43,3	5.41 54.1	6,50 65,0	7,22 72,2	8 80
	90	200V/220V 230V/60Hz	0.12 1.2	0.14 1.4	0.19 1.9	0.23 2.3	0.29 2.9	0.35 3.5	0.39	0,49 4.9	0.58 5.8	0.70 7.0	0,70 7.0	0.87 8.7	1.05 10.5	1,26 12.6	1.40 14.0	1.57 15.7	1,89 18,9	2,36 23.6	2.83 28.3	3.15 31.5	3.78 37.8	4.72 47.2	5,67 56,7	6.30 63.0	7,87 78,7

- * Gearhead and decimal gearhead are sold separately.
- * The code in \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 8N·m/80kgf·cm. But, if you install 1/25~1/40 gearhead, the permissible torque is 6N·m/60kgfcm.
- RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio, Actual rpm is 2~20% less than indicating rpm according to load size.



CONNECTION DIAGRAMS



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

DIMENSIONS

K8G□B(C)

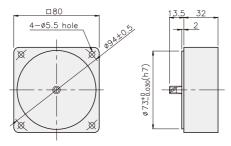
K8RG25N□-SP + K8G□B(C)





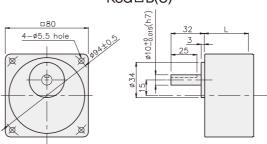
DECIMAL GEARHEAD

K8G10BX





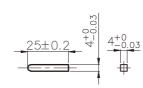
K8G□B(C)



KEY SPEC

KEY

• KEY GROOVE





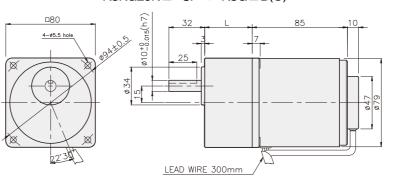
DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	32	K8G3~18B(C)	M5 P0.8 X 50
02	42,5	K8G20~250B(C)	M5 P0,8 X 65
03	32	K8G10BX	M5 P0,8 X 95

WEIGHT

	PART	
	MOTOR	1,60
DECIMA	AL GEAR HEAD	0.46
OFAD	K8G3~18B(C)	0,51
GEAR	K8G20~40B(C)	0.64
ITILAD	K8G50~250B(C)	0.70

$K8RG25N\Box -SP + K8G\Box B(C)$







SPEED CONTROL MOTOR - SP SERIES

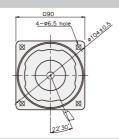


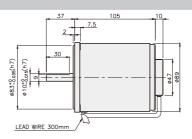
□90mm

REVERSIBLE MOTOR

K9RS40N□-SP







SPECIFICATIONS

40W 30 minutes rating, four poles

Mode		Voltage	Frequency	Speed Range	Permissib 1200rpm	le Torque 90rpm	Start T. (N∗m/	Current	Condenser
Wode		(V)	(Hz)	(rpm)	(N*m/ kgf*Cm)	(N*m/ kgf*Cm)	Kgf*Cm)	(A)	(μF)
K9R□40NJ-SP		100	50	90 ~ 1400	0.3/3	0.075/0.75	0.17/1.7	1.5	16
K9K 🗆 40N3 – 3F		100	60	90 ~ 1700	0.3/3	0.073/0.73	0.18/1.8	1.6	10
K9R□40NU-SP		110	60	90 ~ 1700	0.3/3	0.070/75	0,14/1,4	1.5	10
N9R 140N0-5F		115	00	90 / 5 1/00	0.3/3	0.070/73	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	0.65	4
N9R LI 40NL - SP	single-phase	200	60	90 ~ 1700	0.26/2.6	0.0770.7		0.72	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
Nanu40NC-3P		230	50	90 ~ 1400	0.33/3.3	0.0770.7	0.17/1.7	0.6	0.0
		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	0.63	3

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

 $unit = above : N \cdot m \text{ / below} : Kgf \cdot cm$

Model	Ratio	2	26	-	6	7.5	0	10	12.5	15	18	20	25	20	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)	3	3.0	5	0	7.5	9	10	12.5	10	10	20	25	30	30	40	50	60	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						
K9G□B(C)	90	0.18 1.8	0.22 2.2	0.30 3.0	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

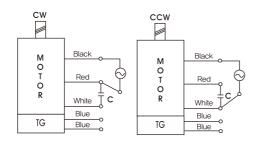
• Single-phase 200V/240V

unit = above : $N \cdot m$ / below : $Kgf \cdot cm$

	-		•																							-
Model		Ratio	3	36	5	6	75	۵	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	SI	peed(rpm)	3	5.0	3	0	7.5	9	10		13	10	20		30			50	00	15	90	100	120	150	100	200
	1200	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	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.
- 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/100kgf·cm.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.

CONNECTION DIAGRAMS



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

DIMENSIONS

K9G□B(C)

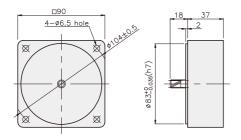
K9RG40N□-SP + K9G□B(C)





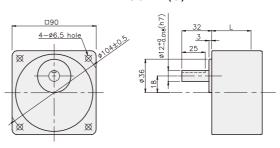
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

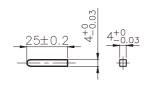
K9G□B(C)



KEY SPEC



• KEY GROOVE





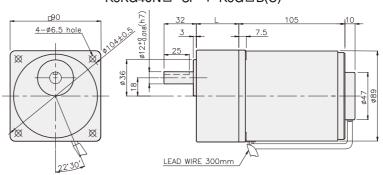
DIMENSION TABLE

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	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

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





SPEED CONTROL MOTOR - SP SERIES

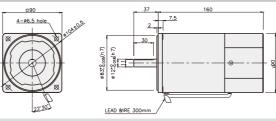


□90mm

REVERSIBLE MOTOR







SPECIFICATIONS

60W 30 minutes 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)
K9R□60FJ-SP		100	50	90 ~ 1400	0.5/5	0,17/1,7	0,3/3	2,5	25
Nak 🗆 00F3-3F		100	60	90 ~ 1700	0.5/5	0.17/1.7	0.3/3	2.7	25
K9R□60FU-SP		110	- 60	90 ~ 1700	0.5/5	0.17/1.7	0.295/2.95	2.1	17
K9KLI00F0-SP		115	00	90 / 5 1/00	0.5/5	0,17/1,7	0.293/2.93	2,2	17
K9R□60FL-SP		200	50	90 ~ 1400	0.5/5	0.15/1.5	0.26/2.6	0,72	6
K9KLI 60FL-5P	single-phase	200	60	90 ~ 1700	0.48/4.8	0.17/1.7	0.23/2.3	0.76	0
		220	50	90 ~ 1400	0.5/5	0.15/1.5	0.3/3	0.95	
K9R□60FC-SP		220	60	90 ~ 1700	0.48/4.8	0.17/1.7	0,26/2,6	0.94	5
N9KLIOUFC-SP		230	50	90 ~ 1400	0.5/5	0.15/1.5	0.3/3	1	3
		230	60	90 ~ 1700	0.48/4.8	0.17/1.7	0.26/2.6	1,2	
K9R□60FD-SP		240	50	90 ~ 1400	0.5/5	0.15/1.5	0.32/3.2	1,2	5

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

unit = above : N·m / below : Kgf·cm

Model	Ratio	2	26	E	6	7.5	0	10	10 E	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)	3	3,0)	О	7.5	9	10	12,5	15	10	20		30	30	40	50	60	75	90	100	120	150	100	200
K9R□60F□-SP	1200	1,22 12,2	1.46 14.6	2.03 20.3	2.43 24.3	3,04 30,4	3 <u>.</u> 65 36 <u>.</u> 5	4.05 40.5	4,56 45,6	5.47 54.7	6,56 65,6	7,29 72,9	8,20 82,0	9,84 98,4	11,81 118,1	13,12 131,2	16.40 164.0	19.68 196.8	20 200	20 200	20 200	20 200	20 200	20 200	20 200
K9P□B, BF	90	0.41 4.1	0.50 5.0	0.69	0.83	1,03	1,24 12.4	1,38 13.8	1,55 15.5	1,86 18.6	2,23 22.3	2.48 24.8	2.79 27.9	3,35 33.5	4.02 40.2	4.46 44.6	5,58 55.8	6,69 66.9	7,53 75.3	9.03 90.3	10,04 100.4	12.5 120.5	15,06 150.6	18.07 180.7	20 200

• Single-phase 200V/240V

unit = above : $N \cdot m$ / below : $Kgf \cdot cm$

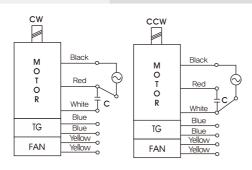
	_																									-
Model		Ratio	2	3,6	5	6	7.5	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	S	peed(rpm)	3	3.0)	0	7.5	9	10		13		20			30				75	90	100	120	150		200
	1000	200V/220V/230V 240V/50Hz	1.22 12.2	1.46 14.6	2.03	2.43 24.3	3.04 30.4	3.65 36.5	4.05 40.5	4.56 45.6	5.47 54.7	6,56 65,6	7.29 72.9	8,20 82,0	9.84 98.4	11,81 118,1	13.12 131.2	16.40 164.0	19,68 196,8	20 200	20 200	20 200	20 200	20 200	20 200	1,22 12,2
K9R□60F□-SP	1200	200V/220V 230V/60Hz	1.17 11.7	1.40 14.0	1.94 19.4	2,33 23,3	2.92 29.2	3.50 35.0	3.89 38.9	4.37 43.7	5,25 52,5	6,30 63,0	7.00 70.0	7,87 78,7	9.45 94.5	11.34 113.4	12,60 126,0	15,75 157,5	18,90 189,0	20 200	20 200	20 200	20 200	20 200	20 200	20 200
K9P□B, BF	90	200V/220V/230V 240V/50Hz	0.36 3.6	0.44 4.4	0,61 6,1	0.73 7.3	0,91 9,1	1,09 10,9	1,22 12,2	1,37 13,7	1,64 16,4	1,97 19,7	2,19 21,9	2.46 24.6	2.95 29.5	3.54 35.4	3.94 39.4	4.92 49.2	5 <u>.</u> 90 59.0	6,64 66,4	7.97 79.7	8.86 88.6	10,63 106,3	13,29 132,9	15,94 159,4	17.71 177.1
	90	200V/220V 230V/60Hz	0.41 4.1	0.50 5.0	0.69 6.9	0.83 8.3	1,03	1,24 12,4	1,38 13,8	1,55 15,5	1,86 18,6	2,23 22,3	2,48 24,8	2.79 27.9	3,35 33,5	4.02 40.2	4.46 44.6	5.58 55.8	6,69 66,9	7.53 75.3	9.03 90.3	10.04 100.4	12.05 120.5	15.06 150.6	18.07 180.7	20 200

- * Gearhead and decimal gearhead are sold separately.
- * The code in

 of gearhead model is for gear ratio.
- color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth of the ratio, between the gearhead and the motor. In this case, the permissible torque is 20N·m/200kgf·cm.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.



CONNECTION DIAGRAMS



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

DIMENSIONS

К9Р□В

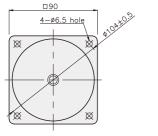


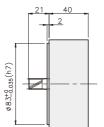
K9P□BF



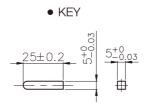
DECIMAL GEARHEAD

K9P10BX





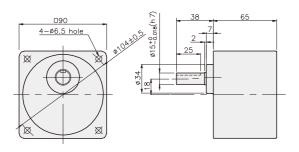
KEY SPEC



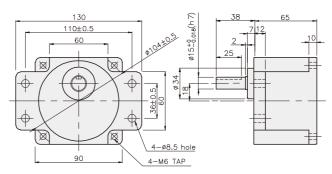


GEARHEAD

K9P□B



K9P□BF



GEARHEADS

DIMENSIONS

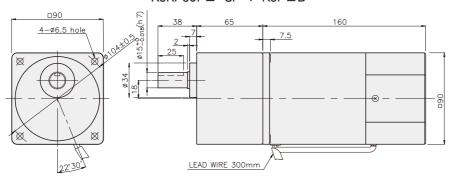
K9RP60F□-SP + K9P□B



K9RP60F□-SP + K9P□BF



K9RP60F□-SP + K9P□B



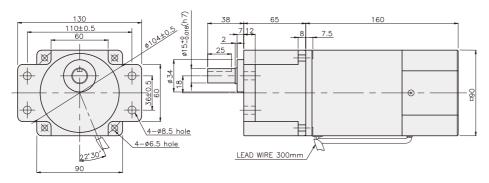
DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	65	K9P3~200B	M6 P1,0 X 95
02	40	K9P10BX	M6 P1.0 X 140

WEIGHT

	PART	WEIGHT(kg)
	MOTOR	3,06
DECIMA	AL GEAR HEAD	0,62
	K9P3~10B	1,22
GEAR	K9P12,5~20B	1,32
HEAD	K9P25~60B	1,42
	K9P75~200B	1,45

K9RP60F□-SP + K9P□BF



DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	65	K9P3~200BF	M6 P1,0 X 25
02	40	K9P10BX	M6 P1.0 X 65

WEIGHT

	PART	WEIGHT(kg)
	MOTOR	3,06
DECIMA	AL GEAR HEAD	0,62
	K9P3~10BF	1,22
GEAR	K9P12,5~20BF	1,32
HEAD	K9P25~60BF	1,42
	K9P75~200BF	1,45



SPEED CONTROL MOTOR - SP SERIES

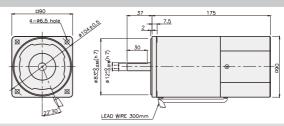


□90mm

REVERSIBLE MOTOR

K9RS90F□-SP





SPECIFICATIONS

90W 30 minutes 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)
		100	50	90 ~ 1400			0.1/4	3,6	0.5
K9R□90FJ-SP		100	60	90 ~ 1700	0.75/7.5	0.25/2.5	0.4/4	3.4	35
KODELOOFIL CD		110	60	00 - 1700	0.75 /7 5	0.25/2.5	0.20/2.0	3	25
K9R□90FU-SP		115	00	90 ~ 1700	0.75/7.5	0.25/2.5	0.38/3.8	3,2	25
K9R□90FL-SP		200	50	90 ~ 1400	0.75/7.5	0.25/2.5	0.4/4	1.4	. 8
R9RLI9UFL-5P	single-phase	200	60	90 ~ 1700	0.75/7.5	0.28/2.8	0.4/4	1.5	0
		220	50	90 ~ 1400		0.25/2.5	0.4/4	1,2	
K9R□90FC-SP		220	60	90 ~ 1700	0.75/7.5	0.28/2.8	0.4/4	1.4	7
Kak Laore – 3P		230	50	90 ~ 1400		0.25/2.5	0.43/4.3	1,2	
		230	60	90 ~ 1700		0.28/2.8	0.40/4.3	1.4	
K9R□90FD-SP		240	50	90 ~ 1400	0.75/7.5	0,25/2,5	0.4/4	1,3	6

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

unit = above : N·m / below : Kgf·cm

Model	Ratio	,	26	_	6	7.5	0	10	12.5	15	18	20	25	20	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)	٦	3.0)	0	7.5	9	10	12,5	13	10	20	20	30	30	40	50	00	/5	90	100	120	150	100	200
K9R□90F□-SP	1200	1,82 18,2	2,19 21,9	3,04 30,4	3,65 36,5	4.56 45.6	5.47 54.7	6.08 60.8	6,83 68,3	8,20 82,0	9,84 98,4	10,94 109,4	12,30 123,0	14.76 147.6	17.71 177.1	19,68 196,8	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200
K9P□B, BF	90	0,61 6,1	0,73 7,3	1,01 10,1	1,22 12,2	1,52 15,2	1.82 18.2	2,03 20,3	2,28 22,8	2.73 27.3	3,28 32,8	3.65 36.5	4.10 41.0	4.92 49.2	5,90 59,0	6,56 65,6	8,20 82.0	9.84 98.4	11.07 110.7	13,29 132,9	14,76 147,6	17.71 177.1	20 200	20 200	20 200

• Single-phase 200V/240V

unit = above : N·m / below : Kgf·cm

																							0.00.0	,		rigi cili
Model		Ratio	2	3,6		6	75	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	S	peed(rpm)	٦	3.0	5	0	7.5	Э	10		13	10	20		30	30	40	50	00	/3	90	100	120	150	100	200
		1200	1,82 18,2	2,19 21,9	3.04 30.4	3,65 36,5	4.56 45.6	5.47 54.7	6,08 60,8	6,83 68,3	8,20 82,0	9,84 98,4	10,94 109,4	12,30 123,0	14.76 147.6	17.71 177.1	19,68 196,8	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200
K9R□90F□-SP K9P□B. BF	90	200V/220V/230V 240V/50HZ	0,61 6,1	0.73 7.3	1,01 10,1	1,22 12,2	1,52 15,2	1.82 18.2	2,03 20,3	2,28 22,8	2,73 27,3	3,28 32,8	3,65 36,5	4.10 41.0	4.92 49.2	5,90 59.0	6,56 65,6	8,20 82,0	9,84 98,4	11.07 110.7	13,29 132,9	14.76 147.6	17,71 177,1	20 200	20 200	20 200
,	30	200V/220V 230V/60Hz	0,68 6,8	0,82 8,2	1,13 11,3	1,36 13,6	1,70 17.0	2.04 20.4	2,27 22.7	2,55 25,5	3.06 30.6	3.67 36.7	4.08 40.8	4.59 45.9	5,51 55,1	6,61 66.1	7,35 73,5	9,19 91,9	11,02 110,2	12.40 124.0	14.88 148.8	16.53 165.3	19,84 198,4	20 200	20 200	20 200

- * 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 20N·m/200kgf·cm.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size



• Single-phase 100V/115V

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

Model	Ratio	2	26	_	6	7.5	٥	10	10.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)] 3	3.6)	0	7.5	9	10	12.5	13	10	20	25	30	30		50	00	/5	90	100	120	150		200
K9R□90F□-SP	1200	1,82 18,2	2,19 21,9	3.04 30.4	3,65 36.5	4.56 45.6	5.47 54.7	6,08 60,8	6,83 68,3	8,20 82,0	9,84 98,4	10,94 109,4	12,30 123,0	14.76 147.6	17.71 177.1	19,68 196,8	24,60 246	29,52 295	30 300						
K9P□BU, BUF	90	0,61 6,1	0.73 7.3	1,01 10,1	1.22 12.2	1,52 15.2	1.82 18.2	2,03 20,3	2,28 22,8	2,73 27,3	3,28 32,8	3,65 36,5	4.10 41.0	4,92 49,2	5.90 59.0	6,56 65,6	8,20 82.0	9.84 98.4	11.07 110.7	13,29 132,9	14.76 147.6	17,71 177,1	22.14 221.4	26,57 265,7	29,52 295,2

• Single-phase 200V/240V

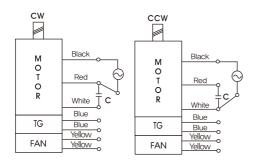
unit = above : $N \cdot m$ / below : kgfcm

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	S	peed(rpm)	٥	3,0)	0	7.5	Э	10	12,5	13	10	20	25	30	30	40	50	00	/3	90	100	120	150	100	200
		1200	1,82 18,2	2.19 21.9	3.04 30.4	3,65 36,5	4.56 45.6	5.47 54.7	6,08 60,8	6,83 68,3	8,20 82,0	9.84 98.4	10,94 109,4	12,30 123,0	14,76 147,6	17.71 177.1	19,68 196,8	24.60 246	29,52 295	30 300						
K9R□90F□-SP K9P□BU, BUF	00	200V/220V/230V 240V/50Hz	0,61 6,1	0.73 7.3	1,01 10,1	1,22 12,2	1,52 15,2	1,82 18,2	2,03 20,3	2,28 22,8	2,73 27,3	3,28 32,8	3,65 36,5	4.10 41.0	4,92 49,2	5,90 59,0	6,56 65,6	8,20 82,0	9,84 98,4	11,07 110,7	13,29 132,9	14.76 147.6	17.71 177.1	22,14 221,4	26,57 265,7	29.52 295.2
101 200, 001	90	200V/220V 230V/60Hz	0,68 6,8	0,82 8 <u>.</u> 2	1.13 11.3	1,36 13,6	1.70 17.0	2.04 20.4	2,27 22,7	2,55 25,5	3.06 30.6	3,67 36,7	4.08 40.8	4,59 45,9	5,51 55,1	6,61 66,1	7.35 73.5	9,19 91,9	11.02 110.2	12.40 124.0	14.88 148.8	16,53 165,3	19.84 198.4	24.80 248.0	29.76 297.6	30 300

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

 * \Box 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 30N·m/300kgfcm.

 * 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.



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

GEARHEADS

DIMENSIONS

К9Р□В



K9P□BF, BUF

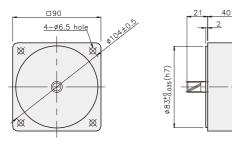


K9P□BU

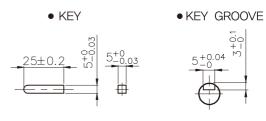


DECIMAL GEARHEAD

K9P10BX

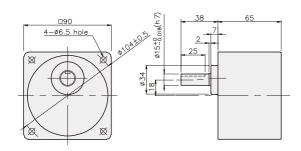


KEY SPEC

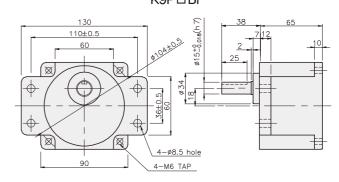


GEARHEAD

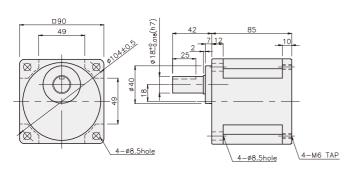
К9Р□В



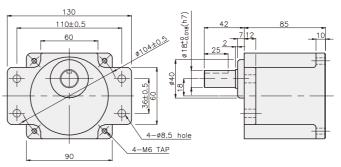
K9P□BF



K9P□BU



K9P□BUF



GEARHEADS

DIMENSIONS

K9RP90F□-SP + K9P□B

K9RP90F□-SP + K9P□BF, BUF

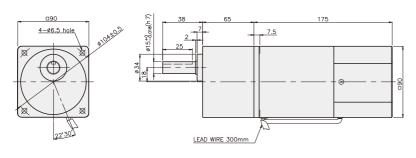
K9RP90F□-SP + K9P□BU



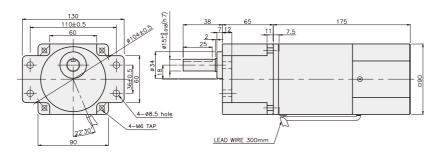




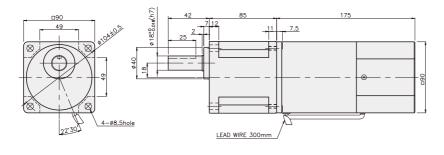
K9RP90F□-SP + K9P□B



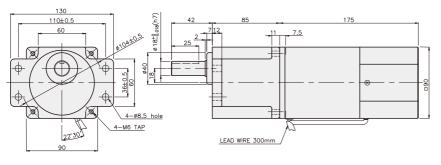
K9RP90F□-SP + K9P□BF



K9RP90F□-SP + K9P□BU



K9RP90F□-SP + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3,06
DECIMAL GEAR HEAD	0,62

DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	65	K9P3~200B	M6 P1,0 X 95
02	40	K9P10BX	M6 P1.0 X 140

WEIGHT

PART	WEIGHT(kg)
K9P3~10B	1,22
K9P12,5~20B	1,32
K9P25~60B	1,42
K9P75~200B	1,45

DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	65	K9P3~200BF	M6 P1.0 X 25
02	40	K9P10BX	M6 P1,0 X 65

WEIGHT

PART	WEIGHT(kg)
K9P3~10BF	1,22
K9P12,5~20BF	1,30
K9P25~60BF	1,42
K9P75~200BF	1,44

DIMENSION TABLE

PART No.	۲	Application Model	Mounting BOLT
01	85	K9P3~200BU	M6 P1.0 X 20
02	40	K9P10BX	M6 P1,0 X 60

WEIGHT

PART	WEIGHT(kg)
K9P3~10BU	1,44
K9P12,5~20BU	1,55
K9P25∼60BU	1,69
K9P75~200BU	1,74
K9P25~60BU	1,69

DIMENSION TABLE

PART No.	L	Application Model	Mounting BOLT
01	85	K9P3~200BUF	M6 P1.0 X 20
02	40	K9P10BX	M6 P1.0 X 65

WEIGHT

TI LIGHT			
PART	WEIGHT(kg)		
K9P3∼10BUF	1,50		
K9P12,5~20BUF	1,62		
K9P25~60BUF	1,76		
K9P75~200BUF	1,82		