

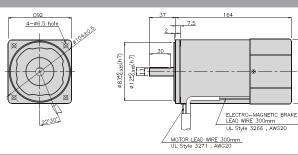
BRAKE MOTOR



□90mm

K9□P60F□-B





SPECIFICATIONS

60W single-phase : 30 minutes rating, three-phase : continuous rating, four poles

Mode	el	Duty	Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/ Kgf*cm)	Rated T. (N*m/ Kgf*cm)	Speed (rpm)	Condenser (µF)	Friction T. (N*m/ (Kgf*cm)
K9R□60FJ-B			100	50	1.48	0.48/4.8	0.47/4.7	1250	25	1/10
K9K LI 60FJ-B			100	60	1,66	0.46/4.6	0.38/3.8	1550	25	1/10
K9R□60FU-B			110	60	1,25	0.4/4	0.38/3.8	1550	17	1/10
KSKE OOLO B			115		1,31	0.425/4.25	0.50/5.0		17	1/10
K9R□60FL-B			200	50	0,72	0.5/5	0.47/4.7	1250	6	1/10
NONE D	single-phase	30 minutes	200	60	0,76	0.44/4.4	0.39/3.9	1500		1/10
			220	50	0.69	0.45/4.5	0.47/4.7	1250]	
K9R□60FC-B			220	60	0.76	0.48/4.8	0.38/3.8	1550	5	1/10
Kak Loof C B			230	50	0.77	0,5/5	0.47/4.7	1250		1/10
			230	60	0.79	0.5/5	0.38/3.8	1550		
K9R□60FD-B			240	50	0.75	0.5/5	0.47/4.7	1250	5	1/10
K9I□60FT-B			200	50	0.49	1.35/13.5	0.45/4.5	1300	_	1/10
K9ILI OUF I -B			200	60	0.45	1.05/10.5	0.38/3.8	1550		1/10
			220	50	0.55	1.6/16	0.435/4.35	1350		
K9I□60FH-B			220	60	0.47	1.2/12	0.37/3.7	1600	1 _	1/10
K9I L GOLL-B			230	50	0,6	1,65/16,5	0.435/4.35	1350	1	1/10
			230	60	0.52	1,3/13	0.37/3.7	1600		
K9I□60FM-B	three-phase	continuous	380	50	0.34	1,55/15.5	0.435/4.35	1350		1/10
K9ILI OUT IVITED	tillee pilase	Continuous	360	60	0.25	1,19/11,9	0.37/3.7	1600	1 -	1/10
K9I□60FV-B			400	50	0.37	1.85/18.5	0.435/4.35	1350	_	1/10
K9ILI OUF V-B			400	60	0.28	1,42/14.2	0.37/3.7	1600		1/10
K9I□60FQ-B			415	50	0,26	1.45/14.5	0.45/4.5	1300		1/10
VAITIONLA-B			410	60	0.21	1.15/11.5	0.37/3.7	1600	1	1/10
K9I□60FZ-B			440	50	0,28	1,6/16	0.45/4.5	1300		1/10
Nail OUFZ-B			440	60	0,23	1.25/12.5	0.37/3.7	1600		1,10

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

RATED TORQUE OF GEARHEAD

● 50Hz

unit = above : N·m / below : kgfcm

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12,5	10	8,3	7,5
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12 <u>.</u> 5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9□60)F□-B	1,06	1,27	1,76	2.11	2.64	3 <u>.</u> 17	3,52	3.96	4.76	5.71	6.34	7.14	8,56	10,27	11.42	14.27	17.12	20	20	20	20	20	20	20
K9P□	B, BF	10.6	12.7	17 <u>.</u> 6	21 <u>.</u> 1	26.4	31 <u>.</u> 7	35 <u>.</u> 2	39.6	47 <u>.</u> 6	57 <u>.</u> 1	63.4	71 <u>.</u> 4	85,6	102.7	114.2	142.7	171 <u>.</u> 2	200	200	200	200	200	200	200

● 60Hz

unit = above : N · m / below : kgfcm

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9□60)F□−B	0,90	1 <u>.</u> 08	1.50	1 <u>.</u> 80	2,25	2,70	3,00	3 <u>.</u> 37	4.05	4.86	5.39	6.07	7 <u>.</u> 28	8,74	9 <u>.</u> 71	12.14	14.57	16,39	19,66	20	20	20	20	20
K9P□	B, BF	9 <u>.</u> 0	10.8	15.0	18.0	22,5	27.0	30.0	33.7	40.5	48.6	53.9	60,7	72.8	87.4	97 <u>.</u> 1	121.4	145.7	163 <u>.</u> 9	196 <u>.</u> 6	200	200	200	200	200

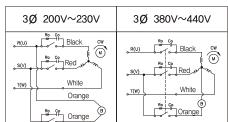
- * Gearhead and decimal gearhead are sold separately.
- * The code in \square of gearhead model is for gear ratio.

 * \square color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than
- indicating rpm according to load size.



CONNECTION DIAGRAMS

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



three phase motor

connecting two leadwires of U,V,W in turns

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

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

DIMENSIONS

К9Р□В

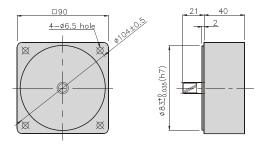






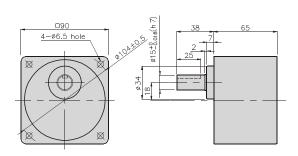
DECIMAL GEARHEAD

K9P10BX



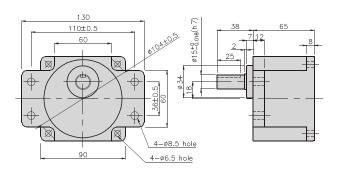
GEARHEAD

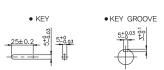
К9Р□В



GEARHEAD

K9P□BF





GEARHEADS

DIMENSIONS

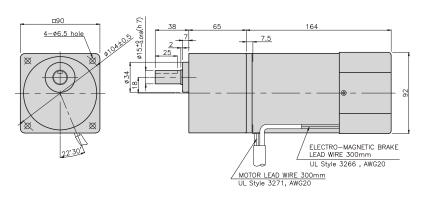
K9□P60F□-B + K9P□B



K9□P60F□-B + K9P□BF



K9□P60F□-B + K9P□B



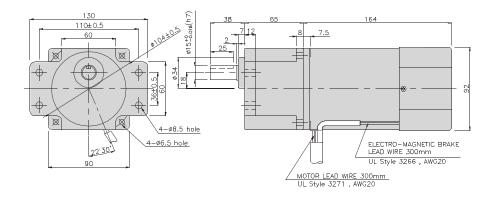
DIMENSION TABLE

PART No	L	Application Model	Mounting BOLT
01	65	K9P3~200B	M6 P1.0 X 25
02	40	K9P10BX	M6 P1.0 X 140

WEIGHT

	PART	
	MOTOR	3 <u>.</u> 08
DECIMA	L GEAR HEAD	0,62
	K9P3~10B	1,22
GEAR	K9P12,5~20B	1,32
HEAD	K9P25~60B	1,42
	K9P75~200B	1.45

K9□P60F□-B + 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	3.08
DECIMA	AL GEAR HEAD	0,62
	K9P3~10BF	1,22
GEAR	K9P12.5~20BF	1,30
HEAD	K9P25~60BF	1,42
	K9P75~200BF	1,44

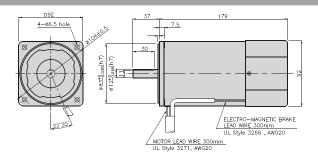
BRAKE MOTOR



□90mm

K9□S90F□-B





SPECIFICATIONS

90W single-phase : 30 minutes rating, three-phase : continuous rating, four poles

Mode	el	Duty	Voltage (V)	Frequency (Hz)	Current (A)	Start T <u>.</u> (N∗m/ Kgf∗cm)	Rated T. (N*m/ Kgf*cm)	Speed (rpm)	Condenser (µF)	Friction T. (N*m) (Kgf*cm)
K9R□90FJ-B			100	50	2.52	0.6/6	0.705/7.05	1250	35	1/10
K9KL19UFJ-B			100	60	2.42	0.070	0.57/5.7	1550	33	1/10
K9R□90FU-B			110	60	1,88	0.55/5.5	0.57/5.7	1550	25	1/10
КЭКШЭОГО В			115		2,12	0.55/5.5			2.5	1/10
K9R□90FL-B			200	50	0 <u>.</u> 9	0.55/5.5	0.705/7.05	1250	8	1/10
TOTAL DOTE D	single-phase	30 minutes	200	60	1,1	0.00,00	0.57/5.7	1550		1,10
			220	50	1	0.5/5	0,705/7,05	1250		
K9R□90FC-B			220	60	1.1	0.53/5.3	0.57/5.7	1550	7	1/10
Kak Laure - B			230	50	1.3	0.6/6	0.705/7.05	1250] '	1/10
			230	60	1,1	0.6/6	0.57/5.7	1550		
K9R□90FD-B			240	50	0.94	0.55/5.5	0.705/7.05	1250	6	1/10
K9I□90FT-B			200	50	0.79	2,25/22,5	0.65/6.5	1350	_	1/10
K9ILI9UFI-D			200	60	0.72	1.75/17.5	0.55/5.5	1600		1/10
			220	50	0,72	2,35/23,5	0.65/6.5	1350		
K9I□90FH-B			220	60	0.63	1.8/18	0.55/5.5	1600	1 _	1/10
K9ILI90FH-B			230	50	0.86	2.45/24.5	0.65/6.5	1350		1/10
			230	60	0.66	1,95/19,5	0.55/5.5	1600]	
KOLE OOEM D	three-phase		200	50	0.43	2,35/23.5	0.65/6.5	1350	_	1/10
K9I□90FM-B	tillee—priase	continuous	380	60	0.37	1,7/17	0.55/5.5	1600		1/10
K9I□90FV-B			400	50	0.52	2.65/26.5	0.65/6.5	1350		1/10
VAITIANL A-B			400	60	0.45	2,1/21	0.55/5.5	1600]	1/10
K9I□90FQ-B			415	50	0.39	2/20	0.68/6.8	1300		1/10
VAITIANLM-R			415	60	0,31	1,5/15	0.55/5.5	1600	1	1/10
K9I□90FZ-B			440	50	0.45	2,1/21	0.68/6.8	1300		1/10
VAITI AOLY—B			440	60	0.39	1.7/17	0.55/5.5	1600]	1/10

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

RATED TORQUE OF GEARHEAD

● 50Hz

unit = above: N·m / below: kg/cm

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7 <u>.</u> 5
Motor/ Gearhead	Ratio	3	3,6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9□P9	0F□-B	1 <u>.</u> 58	1 <u>.</u> 90	2 <u>.</u> 63	3.16	3.95	4.74	5 <u>.</u> 27	5 <u>.</u> 92	7.11	8,53	9.48	10 <u>.</u> 66	12.79	15 <u>.</u> 35	17.06	20	20	20	20	20	20	20	20	20
K9P□	B, BF	15.8	19.0	26.3	31.6	39.5	47.4	52,7	59.2	71.1	85,3	94.8	106.6	127.9	153.5	170.6	200	200	200	200	200	200	200	200	200

● 60Hz unit = above: N·m / below: kg/cm

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9□P9	0F□-B	1 <u>.</u> 34	1 <u>.</u> 60	2,23	2 <u>.</u> 67	3 <u>.</u> 34	4.01	4.46	5.01	6.01	7 <u>.</u> 22	8 <u>.</u> 02	9 <u>.</u> 02	10,83	12,99	14 <u>.</u> 43	18.0	20	20	20	20	20	20	20	20
K9P□	B, BF	13 <u>.</u> 4	16 <u>.</u> 0	22,3	26.7	33.4	40 <u>.</u> 1	44 <u>.</u> 6	50 <u>.</u> 1	60 <u>.</u> 1	72.2	80.2	90 <u>.</u> 2	108.3	129 <u>.</u> 9	144 <u>.</u> 3	180	200	200	200	200	200	200	200	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/200kgfcm.
- * 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

● 50Hz unit = above: N·m / below: kg/cm

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	82	75	60	50	41	37	30	25	20	16	15	13	10	8.3	7.5
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9□P9	 0F□ <i>-</i> B	1,58	1 <u>.</u> 90	2.63	3,16	3 <u>.</u> 95	4.74	5 <u>.</u> 27	5 <u>.</u> 92	7 <u>.</u> 11	8.53	9.48	10,66	12,79	15 <u>.</u> 35	17.06	21,32	25 <u>.</u> 59	30	30	30	30	30	30	30
K9P□E	BU, BUF	15.8	19 <u>.</u> 0	26 <u>.</u> 3	31 <u>.</u> 6	39 <u>.</u> 5	47.4	52.7	59 <u>.</u> 2	71.1	85 <u>.</u> 3	94.8	106.6	127 <u>.</u> 9	153 <u>.</u> 5	170 <u>.</u> 6	213 <u>.</u> 2	255 <u>.</u> 9	300	300	300	300	300	300	300

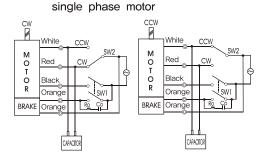
● 60Hz

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9□P9	 0F□ <i>-</i> B	1.34	1 <u>.</u> 60	2,23	2.67	3,34	4.01	4 <u>.</u> 46	5.01	6.01	7 <u>.</u> 22	8.02	9.02	10.83	12,99	14 <u>.</u> 43	18.04	21,65	24.36	30	30	30	30	30	30
K9P□E	BU, BUF	13.4	16 <u>.</u> 0	22,3	26.7	33.4	40.1	44.6	50 <u>.</u> 1	60.1	72,2	80 <u>.</u> 2	90.2	108.3	129.9	144.3	180.4	216.5	243 <u>.</u> 6	300	300	300	300	300	300

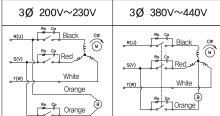
- * Gearhead and decimal gearhead are sold separately.
- * The code in

 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 30N · m/300kgfcm.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is $2\sim20\%$ less than indicating rpm according to load size

CONNECTION DIAGRAMS







connecting two leadwires of U,V,W in turns

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

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

DIMENSIONS

К9Р□В



K9P□BF, BUF

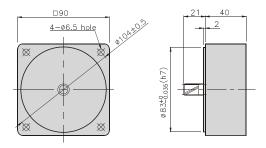


K9P□BU



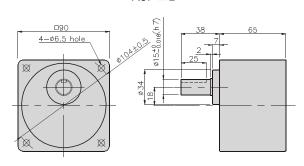
DECIMAL GEARHEAD

K9P10BX



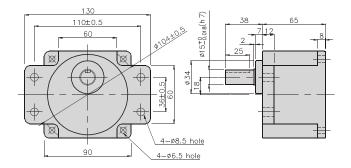
GEARHEAD

K9P□B



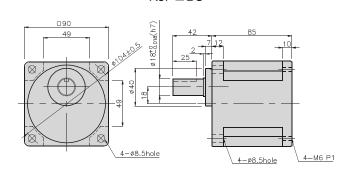
GEARHEAD

K9P□BF



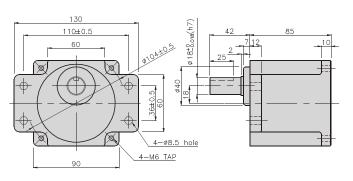
GEARHEAD

K9P□BU



GEARHEAD

K9P□BUF









GEARHEADS

DIMENSIONS

K9□P90F□-B + K9P□B

 $K9 \square P90F-B + K9P \square BF$, BUF

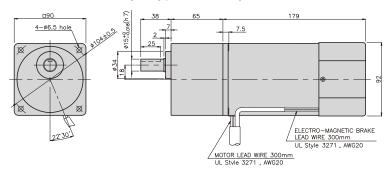
K9□P90F□-B + K9P□BU



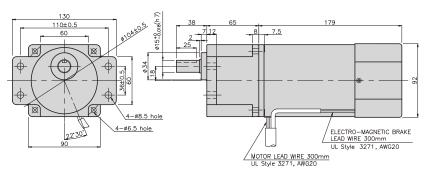




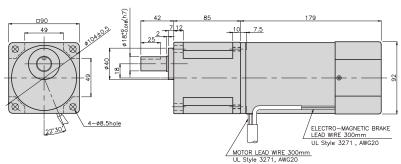
$K9\square P90F\square -B + K9P\square B$



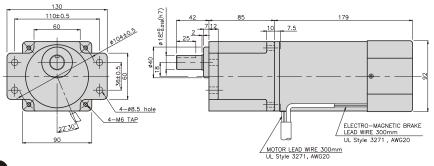
K9□P90F-B + K9P□BF



K9□P90F□-B + K9P□BU



K9□P90F□-B + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3,60
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	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

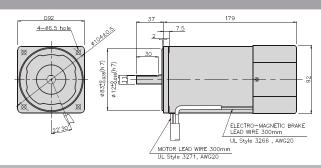
PART	WEIGHT(kg)
K9P3~10BUF	1.50
K9P12.5~20BUF	1,62
K9P25~60BUF	1,76
K9P75~200BUF	1.82

BRAKE MOTOR

□90mm

K9□S120F□-B





SPECIFICATIONS

120W 30 minutes rating, four poles

Mode	el	Duty	Voltage (V)	Frequency (Hz)	Current (A)	Start T <u>.</u> (N∗m/ Kgf∗cm)	Rated T. (N*m/ Kgf*cm)	Speed (rpm)	Condenser (µF)	Friction T. (N*m/ (Kgf*cm)
K9R□120FJ-B			100	50	2.4	0.65/6.5	0 <u>.</u> 9/9	1300	40	1/10
R9RLIZOF5-B			100	60	2 <u>.</u> 61	0.7/7	0.755/7.55	1550	40	1/10
K9R□120FU-B			110	60	1.93	0.6/6	0.755/7.55	1550	25	1/10
K9R 🗆 120F0—B			115	60	1,88	0.62/6.2	0.755/7.55	1550	25	1/10
K9R□120FL-B	single-phase	30 minutes		50	1,07	0.6/6	0 <u>.</u> 9/9	1300	8.5	1/10
K9RLI IZUFL-B			200	60	1,22	0.58/5.8	0.755/7.55	1550	8	1/10
			220	50	0.82	0.53/5.3	0.9/9	1300	6	
K9R□120FC-B			230	50	0.85	0.58/5.8	0.9/9	1300	0	1/10
K9R 🗆 120FC—B			220	60	1	0.62/6.2	0.705/7.05	1600	7	1710
			230	00	1,1	0 <u>.</u> 63/6 <u>.</u> 3	0.735/7.35	1600		
K9R□120FD-B			240	50	0 <u>.</u> 9	0.58/5.8	0 <u>.</u> 9/9	1300	6	1/10

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

RATED TORQUE OF GEARHEAD

50Hz

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

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	7 <u>.</u> 5
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9RP12	0F□-B	2,19	2,62	3,65	4.37	5 <u>.</u> 47	6,56	7.29	8,20	9.84	11,81	13,12	14.76	17,71	20	20	20	20	20	20	20	20	20	20	20
K9P□	B, BF	21 <u>.</u> 9	26,2	36.5	43.7	54.7	65,6	72.9	82.0	98.4	118.1	131,2	147.6	177 <u>.</u> 1	200	200	200	200	200	200	200	200	200	200	200

60Hz

unit = above : N·m / below : kgfcm

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9RP12	0F□-B	1.79	2 <u>.</u> 14	2,98	3 <u>.</u> 57	4.47	5,36	5 <u>.</u> 95	6.70	8.04	9,64	10.72	12.06	14,47	17,36	19,29	20	20	20	20	20	20	20	20	20
K9P□	B, BF	17 <u>.</u> 9	21.4	29 <u>.</u> 8	35,7	44.7	53,6	59.5	67.0	80.4	96,41	107.2	120,6	144.7	173.6	192 <u>.</u> 9	200	200	200	200	200	200	200	200	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/200kgfcm.
- * 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

• 50Hz unit = above : $N \cdot m$ / below : kgfcm

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	7 <u>.</u> 5
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9RP12	20F□-B	2,19	2,62	3 <u>.</u> 65	4 <u>.</u> 37	5 <u>.</u> 47	6,56	7 <u>.</u> 29	8,20	9,84	11 <u>.</u> 81	13,12	14.76	17 <u>.</u> 71	21,26	23 <u>.</u> 62	30	30	30	30	30	30	30	30	30
K9P□E	BU, BUF	21 <u>.</u> 9	26,2	36.5	43.7	54.7	65.6	72.9	82 <u>.</u> 0	98.4	118.2	131.2	147 <u>.</u> 6	177 <u>.</u> 1	212.6	236.2	300	300	300	300	300	300	300	300	300

60Hz unit = above : $N \cdot m$ / below : kgfcm

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9RP12	 0F□ <i>-</i> B	1.79	214	2 <u>.</u> 98	3 <u>.</u> 57	4.47	5 <u>.</u> 36	5 <u>.</u> 95	6,70	8.04	9 <u>.</u> 64	10.72	12,06	14.47	17 <u>.</u> 36	19 <u>.</u> 29	24.11	28 <u>.</u> 93	30	30	30	30	30	30	30
К9Р□В	U, BUF	17 <u>.</u> 9	21 <u>.</u> 4	29 <u>.</u> 8	35 <u>.</u> 7	44.7	53 <u>.</u> 6	59 <u>.</u> 5	67.0	80,4	96.4	107 <u>.</u> 2	120.6	144.7	173 <u>.</u> 6	192.9	241 <u>.</u> 1	289,3	300	300	300	300	300	300	300

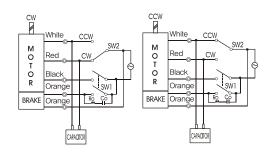
- * Gearhead and decimal gearhead are sold separately.
- * The code in \(\sigma\) of gearhead model is for gear ratio,

 * Toolor 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

Connect Cr circuit for absorbing serge voltage as connection diagram to protect contact point. Ro = $5-200\Omega$ Co = $0.1\sim0.2\mu\text{F}$ 200WV(400WV)



DIMENSION TABLE

	М	Application Model					
01	200	50Hz					
02	179	60Hz					

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

DIMENSIONS

К9Р□В



K9P□BF, BUF

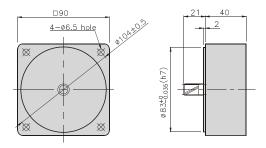


K9P□BU



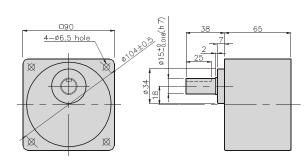
DECIMAL GEARHEAD

K9P10BX



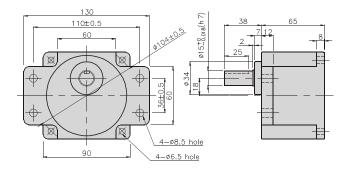
GEARHEAD

К9Р□В



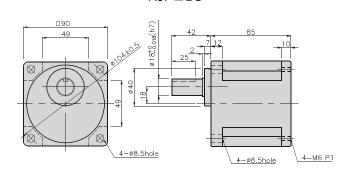
GEARHEAD

K9P□BF



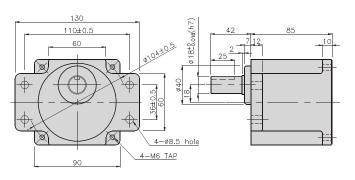
GEARHEAD

K9P□BU



GEARHEAD

K9P□BUF









GEARHEADS

DIMENSIONS

K9□P120F□-B + K9P□B



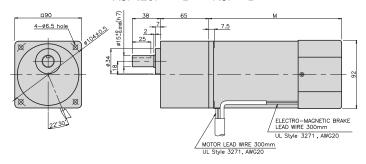
K9□P120F□-B + K9P□BU



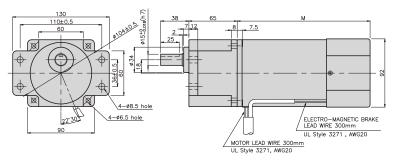




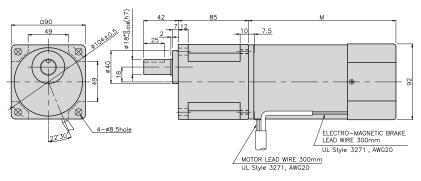
K9P120F□-B + K9P□B



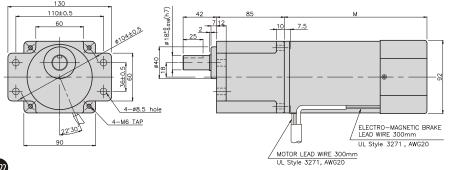
K9□P120F□-B + K9P□BF



K9□P120F□-B + K9P□BU



K9P120F□-B + K9P□BUF



WEIGHT

PART	WEIGHT(kg)				
MOTOR	3,20				
DECIMAL GEAR HEAD	0.62				

DIMENSION TABLE

PART No	М	Application Model
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	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				
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		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

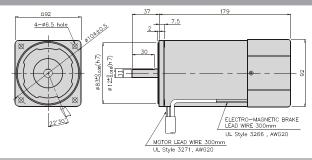
BRAKE MOTOR



□90mm

K9□S150F□-B





SPECIFICATIONS

150W continuous rating, four poles

Mode	el	Duty	Voltage (V)	Frequency (Hz)	Current (A)	Start T <u>.</u> (N∗m/ Kgf∗cm)	Rated T. (N*m/ Kgf*cm)	Speed (rpm)	Condenser (µF)	Friction T. (N*m/ (Kgf*cm)
K9I□150FT-B			200	50	1.2	3 <u>.</u> 5/35	1,13/11,3	1300	_	1/10
K91L130F1-B			200	60	0.95	2.65/26.5	0.915/9.15	1600		
			220	50	0.99	2.95/29.5	1 10/11 0	1300	_	
K9I□150FH-B			230	50	1,1	3/30	1,13/11,3	1300		1/10
K9ILI ISOFH-B			220	60	0.97	2 <u>.</u> 5/25	0.015 /0.15	1000	_	1710
			230	00	1,02	2 <u>.</u> 7/27	0.915/9.15	1600		
K9I□150FM-B	single-phase	30 minutes	380	50	0.57	3/30	1,13/11,3	1300	_	1/10
KAITI IOOLIMER	Sirigle—priase	30 minutes	380	60	0.57	2.25/22.5	0.915/9.15	1600		1710
VOLUMENT / D			400	50	0.0	3 <u>.</u> 5/35	1,13/11,3	1300	_	1/10
K9I□150FV-B			400	60	0 <u>.</u> 6	2 <u>.</u> 5/25	0.915/9.15	1600		1/10
V01515050 B			445	50	0 <u>.</u> 57	3,15/31,5	1,13/11,3	1300	_	1/10
K9I□150FQ-B			415	60	0.42	2.35/23.5	0.915/9.15	1600		1710
V01E1E0E7 D			440	50	0,53	3 <u>.</u> 3/33	1.085/10.82	1350	_	1/10
K9I□150FZ-B			440	60	0.44	2 <u>.</u> 6/26	0.915/9.15	1600] -	1/10

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

RATED TORQUE OF GEARHEAD

50Hz

unit = above : N · m / below : kgfcm

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8 <u>.</u> 3	7 <u>.</u> 5
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12 <u>.</u> 5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9IP150	,	2 <u>.</u> 64	3 <u>.</u> 16	4 <u>.</u> 39	5 <u>.</u> 27	6 <u>.</u> 59	7 <u>.</u> 91	8 <u>.</u> 79	9 <u>.</u> 89	11,86	14.24	15 <u>.</u> 82	17 <u>.</u> 80	20	20	20	20	20	20	20	20	20	20	20	20
K9P□	B, BF	26.4	31.6	43.9	52.7	65 <u>.</u> 9	79.1	87 <u>.</u> 9	98.9	118 <u>.</u> 6	142.4	158,2	178.0	200	200	200	200	200	200	200	200	200	200	200	200

• 60Hz

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

	Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
	Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
ſ	K9IP150)F□ - B	2,22	2 <u>.</u> 67	3.71	4 <u>.</u> 45	5 <u>.</u> 56	6.67	7 <u>.</u> 41	8.34	10.01	12.01	13 <u>.</u> 34	15 <u>.</u> 01	18 <u>.</u> 01	20	20	20	20	20	20	20	20	20	20	20
	K9P□	IB, BF	22,2	26.7	37 <u>.</u> 1	44.5	55 <u>.</u> 6	66.7	74.1	83,4	100 <u>.</u> 1	120.1	133 <u>.</u> 4	150.1	180 <u>.</u> 1	200	200	200	200	200	200	200	200	200	200	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/200kgfcm.
- * 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

● 50Hz unit = above: N·m / below: kgfcm

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	7.5
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9IP150	DF□-B	2 <u>.</u> 64	3 <u>.</u> 16	4.39	5 <u>.</u> 27	6,59	7.91	8,79	9.89	11 <u>.</u> 86	14.24	15,82	17 <u>.</u> 80	21 <u>.</u> 36	25 <u>.</u> 63	28 <u>.</u> 47	30	30	30	30	30	30	30	30	30
K9P□E	BU, BUF	26 <u>.</u> 4	31 <u>.</u> 6	43 <u>.</u> 9	52.7	65 <u>.</u> 9	79 <u>.</u> 1	87 <u>.</u> 9	98.9	118.6	142.4	158.2	178.0	213 <u>.</u> 6	256 <u>.</u> 3	284 <u>.</u> 7	300	300	300	300	300	300	300	300	300

● 60Hz

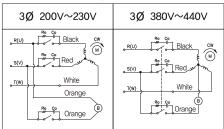
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9IP150)F□−B	2 <u>22</u>	2 <u>.</u> 67	3 <u>.</u> 71	4 <u>.</u> 45	5 <u>.</u> 56	6 <u>.</u> 67	7.41	8.34	10.01	12,01	13 <u>.</u> 34	15.01	18 <u>.</u> 01	21 <u>.</u> 61	24.01	30	30	30	30	30	30	30	30	30
K9P□E	BU, BUF	22,2	26.7	37 <u>.</u> 1	44 <u>.</u> 5	55 <u>.</u> 6	66 <u>.</u> 7	74.1	83.4	100 <u>.</u> 1	120,1	133 <u>.</u> 4	150,1	180.1	216.1	240.1	300	300	300	300	300	300	300	300	300

- * 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 $30N \cdot m/300 \text{kgfcm}$.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.

CONNECTION DIAGRAMS

three phase motor

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



DIMENSION TABLE

PAR	ΓNο	М	Application Model
)1	200	50Hz
C	2	179	60Hz

**The direction of motor rotation is as viewed from the front shaft end of the motor connecting two leadwires of U,V,W in turns



DIMENSIONS

K9P□BF, BUF

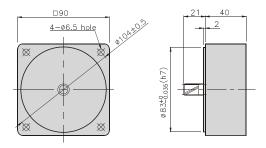
К9Р□В



K9P□BU

DECIMAL GEARHEAD

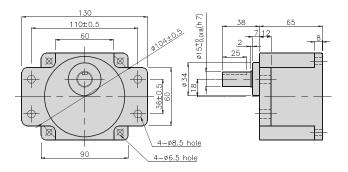
K9P10BX



GEARHEAD

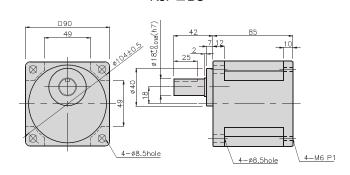
GEARHEAD

K9P□BF



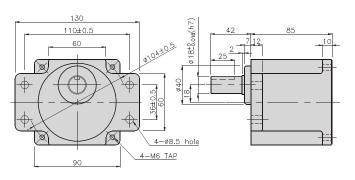
GEARHEAD

K9P□BU



GEARHEAD

K9P□BUF





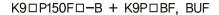




GEARHEADS

DIMENSIONS

K9□P150F□-B + K9P□B



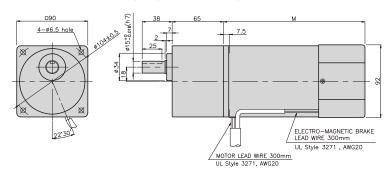
K9□P150F□-B + K9P□BU



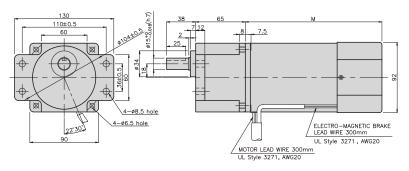




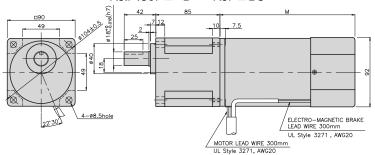
K9IP150F□-B + K9P□B



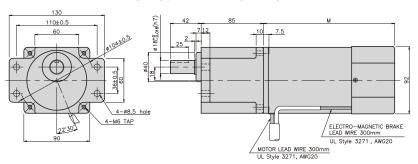
K9IP150F□-B + K9P□BF



K9IP150F□-B + K9P□BU



K9IP150F□-B + K9P□BUF



WEIGHT

PART	
MOTOR	4.38(50Hz)
MOTOR	3.66(60Hz)
DECIMAL GEAR HEAD	0.62

DIMENSION TABLE

PART No	М	
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		Application Model	Mounting BOLT
01	85	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 <u>.</u> 44					

DIMENSION TABLE

PART No		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

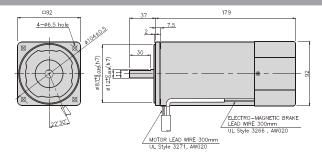
WEIGHT

WEIGHT	
PART	WEIGHT(kg)
K9P3~10BUF	1,50
K9P12.5~20BUF	1,62
K9P25~60BUF	1,76
K9P75~200BUF	1.82



K9□S180F□-B





SPECIFICATIONS

180W 30 minutes rating, four poles

10011 00 minutes	.ag, .ea. pe													
Mode	el .	Duty	Voltage (V)	Frequency (Hz)	Current (A)	Start T <u>.</u> (N∗m/ Kgf∗cm)	Rated T. (N*m/ Kgf*cm)	Speed (rpm)	Condenser (µF)	Friction T. (N*m/ (Kgf*cm)				
KODE 1905 L.D.			100	50	3.1	0 <u>.</u> 7/7	1.35/13.5	1300	40	1/10				
K9R□180FJ-B			100	60	2,95	0.75/7.5	1,1/11	1600	40	1/10				
K9R□180FU-B			110 2,9 0,85/8,5		0.85/8.5	1 <u>.</u> 1/11	1600	40	1/10					
K3KLI 100F0-B			115	00	3.1	0.00/0.0	1,1/11	1000	40	1/10				
K9I□180FL-B							200	50	1 <u>.</u> 47	0.65/6.5	1.35/13.5	1300	12	1/10
Kalm loopt-p	single-phase	30 minutes	200	200	60	1 <u>.</u> 43	0.55/5.5	1,1/11	1600	12	1/10			
			220	50	1,58	0.65/0.6	1.35/13.5	1300						
K9R□180FC-B			220	60	1 <u>.</u> 38	0.6/6	1,1/11	1600	8	1/10				
K9R LI 100FC-B			230	50	1.7	0 <u>.</u> 7/7	1.35/13.5	1300	0	1/10				
			230	60	1,54	0.65/6.5	1,1/11	1600						
K9R□180FD-B			240	50	1 <u>.</u> 2	0 <u>.</u> 7/7	1 <u>.</u> 35/13 <u>.</u> 5	1300	8	1/10				

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

RATED TORQUE OF GEARHEAD

• 50Hz

unit = above : N · m / below : kgfcm

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9RP18	0F□-B	3 <u>.</u> 28	3 <u>.</u> 94	5 <u>.</u> 47	6,56	8 <u>.</u> 20	9.84	10 <u>.</u> 94	12 <u>.</u> 30	14.76	17.71	19.68	22.14	26 <u>.</u> 57	30	30	30	30	30	30	30	30	30	30	30
K9P□B	U, BUF	32,8	39 <u>.</u> 4	54.7	65 <u>.</u> 6	82 <u>.</u> 0	98.4	109.4	123.0	147 <u>.</u> 6	177.1	196.8	221 <u>.</u> 4	265 <u>.</u> 7	300	300	300	300	300	300	300	300	300	300	300

60Hz

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

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	29	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9RP18	0F□−B	2.67	3 <u>.</u> 21	4.46	5 <u>.</u> 35	6,68	8 <u>.</u> 02	8.91	10,02	12.03	14,43	16.04	18 <u>.</u> 04	21 <u>.</u> 65	25 <u>.</u> 98	28,87	30	30	30	30	30	30	30	30	30
К9Р□В	U, BUF	26 <u>.</u> 7	32.1	44.6	53.5	66,8	80,2	89 <u>.</u> 1	100.2	120,3	144.3	160.4	180.4	216.5	259 <u>.</u> 8	288 <u>.</u> 7	300	300	300	300	300	300	300	300	300

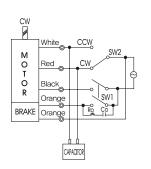
- * Gearhead and decimal gearhead are sold separately.
- * The code in \square of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * If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

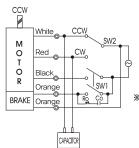


GEARHEADS

CONNECTION DIAGRAMS

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





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

DIMENSIONS

K9P□BU

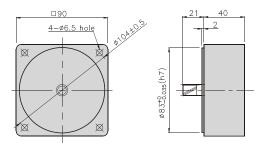






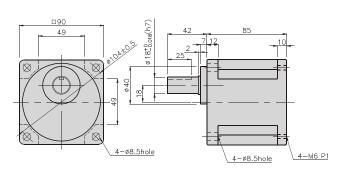
DECIMAL GEARHEAD

K9P10BX



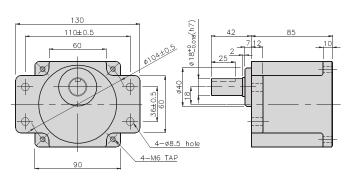
GEARHEAD

K9P□BU



GEARHEAD

K9P□BUF







DIMENSIONS

K9RP180F□-B + K9P□BU



K9RP180F□-B + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	4.34
DECIMAL GEAR HEAD	0.62

DIMENSION TABLE

PART No		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

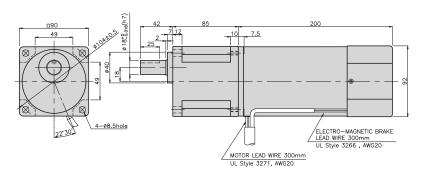
DIMENSION TABLE

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

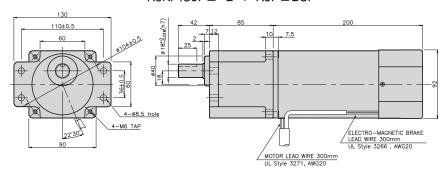
WEIGHT

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

K9RP180F□-B + K9P□BU



K9RP180F□-B + K9P□BUF





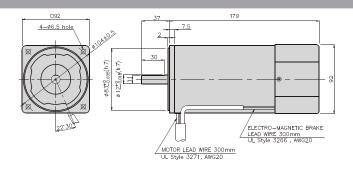
BRAKE MOTOR



□90mm

K9□S200F□-B





SPECIFICATIONS

200W continuous rating, four poles

				_		01 1 =	D-11 F	_		- · · · -
Mode	el	Duty	Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/ Kgf*cm)	Rated T <u>.</u> (N∗m/ Kgf∗cm)	Speed (rpm)	Condenser (µF)	Friction T <u>.</u> (N*m/ (Kgf*cm)
K9I□200FT-B			200	50	1 <u>.</u> 62	4/40	1,5/15	1300	_	1/10
K9III 200F I-B			200	60	1 <u>.</u> 29	3.15/31.5	1.22/12.1	1600		1/10
			220	50	1 <u>.</u> 36	4.25/42.5	1.45/14.5	1350	_	
K9I□200FH-B			220	60	1,06	3,4/34	1.22/12.2	1600		1/10
K9ILI 200FH-B		30 minutes	220	50	1,51	4.3/43	1.45/14.5	1350	_	1/10
			230	60	1,15	3,5/35	1.22/12.2	1600		
KOLE SOOEM D	single-phase		380	50	0 <u>.</u> 81	4.3/43	1.45/45.5	1350	_	1/10
K9I□200FM-B	Sirigle—priase		380	60	0.58	3 <u>.</u> 6/36	1 22/12 2	1600		1/10
K01E300E/ B			400	50	0 <u>.</u> 91	4 <u>.</u> 5/45	1.45/14.5	1350	_	1/10
K9I□200FV-B			400	60	0 <u>.</u> 67	4/40	1 22/12 2	1600		1/10
V01E1000E0 B			445	50	0 <u>.</u> 62	3 <u>.</u> 8/38	1 <u>.</u> 5/15	1300		1/10
K9I□200FQ-B			415	60	0.58	3/30	1.26/12.6	1550	_	1/10
W01E1000E7 B			440	50	0.68	4.1/41	1 <u>.</u> 5/15	1300	_	1/10
K9I□200FZ-B			440	60	0.54	3/30	1.22/12.2	1600	_	1/10

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

RATED TORQUE OF GEARHEAD

50Hz

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

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	7.5
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9IP200	DF□-B	3 <u>.</u> 52	4.23	5.87	7 <u>.</u> 05	8 <u>.</u> 81	10 <u>.</u> 57	11 <u>.</u> 75	13.21	15.86	19.03	21,14	23 <u>.</u> 78	28.54	30	30	30	30	30	30	30	30	30	30	30
K9P□B	U, BUF	35.2	42.3	58.7	70,5	88 <u>.</u> 1	105.7	117.5	132,1	158.6	190.3	211.4	237.8	285.4	300	300	300	300	300	300	300	300	300	300	300

60Hz

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

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9IP200	OF□-B	2 <u>.</u> 96	3 <u>.</u> 56	4.94	5 <u>.</u> 93	7.41	8,89	9 <u>.</u> 88	11,12	13,34	16.01	17,79	20.01	24.01	28 <u>.</u> 82	30	30	30	30	30	30	30	30	30	30
K9P□B	U, BUF	29 <u>.</u> 6	35,6	49.4	59.3	74.1	88.9	98 <u>.</u> 8	111 <u>.</u> 2	133 <u>.</u> 4	160.1	177.9	200.1	240 <u>.</u> 1	288.2	300	300	300	300	300	300	300	300	300	300

- * Gearhead and decimal gearhead are sold separately.

 * The code in
 of gearhead model is for gear ratio.

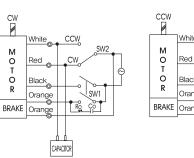
 * Color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth of the ratio, between the gearhead and the motor. In this case, the permissible torque is 30N·m/300kgfcm.

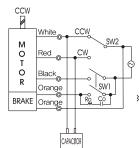
 * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.



CONNECTION DIAGRAMS

Connect Cr circuit for absorbing serge voltage as connection diagram to protect contact point. Ro = $5-200\Omega$ Co = $0.1\sim0.2\mu\text{F}$ 200WV(400WV)





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

DIMENSIONS

K9P□BU

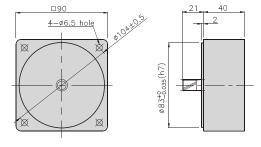






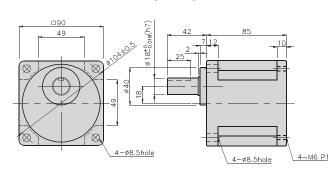
DECIMAL GEARHEAD

K9P10BX



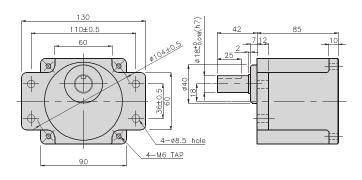
GEARHEAD

K9P□BU



GEARHEAD

K9P□BUF





GEARHEADS

DIMENSIONS

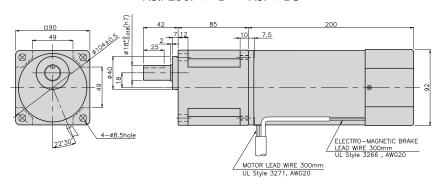
K9□P200F□ + K9P□BU



K9□P200F□ + K9P□BUF



K9IP200F□-B + K9P□BU



WEIGHT

PART	
MOTOR	4.38
DECIMAL GEAR HEAD	0.62

DIMENSION TABLE

PART No		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

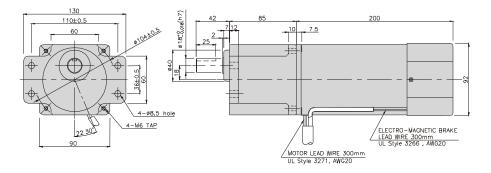
DIMENSION TABLE

PART No		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

K9IP200F□-B + K9P□BUF



INDUCTION MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS60F□



K9IS60F□-T, T5



SPECIFICATIONS

60W continuous rating, four poles

covv continuous rating,					Claud T	Data d T		
Madala		Voltage	Frequency	Current	Start T.	Rated T.	Speed	Condenser
Model		(V)	(Hz)	(A)	(N*m/ Kgf*Cm)	(N*m <u>.</u> Kgf*Cm)	(rpm)	(μF)
		(- /	, ,		Kgi*Ciii)			., .,
K9I□60FJ(-T, -T5)		100	50	1.36	0.38/3.8	0.47/4.7	1250	20
. , , ,			60	1.37		0.38/3.8	1550	-
K9I□60FU(-T, -T5)		110	60	1.21	0.37/3.7	0.38/3.8	1550	16
10120010(1, 10)		115		1.27	0.0170.1			10
K9I□60FL(-T, -T5)		200	50	0,67	0.4/4	0.47/4.7	1250	5
1012001E(1, 19)	single-phase	200	60	0.69	0,4/4	0.38/3.8	1550	3
		220	50	0 <u>.</u> 58	0.38/3.8	0.47/4.7	1250	
K9I□60FC(-T, -T5)		220	60	0.57	0.30/3.0	0.38/3.8	1550	4
K9I□00FC(-1, -15)		230	50	0.63	0.4/4	0.47/4.7	1250	4
		230	60	0.63	0.4/4	0.38/3.8	1550	
K9I□60FD(-T, -T5)		240	50	0,69	0.44/4.4	0.47/4.7	1250	4
K9I□60FT(-T, -T5)		200	50	0.49	1,35/13,5	0.45/4.5	1300	_
K9I L 60F I (-1, -15)		200	60	0.45	1.05/10.5	0.38/3.8	1550	
		220	50	0,55	1,6/16	0.435/4.35	1350	
K9I□60FH(-T, -T5)		220	60	0.47	1,2/12	0.37/3.7	1600	_
K9ILI60FH(-1, -15)		220	50	0.6	1,65/16,5	0.435/4.35	1350	
		230	60	0,52	1,3/13	0.37/3.7	1600	
K9I□60FM(-T, -T5)	three-phase	200	50	0,34	1,55/15,5	0.435/4.35	1350	_
K9100FM(-1, -15)	iriiee—priase	380	60	0,25	1,19/11,9	0.37/3.7	1600	
K9I□60FV(-T, -T5)		400	50	0,37	1,85/18,5	0.435/4.35	1350	_
K9I□60FV(-1, -15)		400	60	0,28	1,42/14,2	0.37/3.7	1600	
K9I□60FQ(-T, -T5)		415	50	0.26	1.45/14.5	0.45/4.5	1300	_
Kali 60FQ(-1, -15)		415	60	0 <u>.</u> 21	1.15/11.5	0.37/3.7	1600	
K9I□60FZ(-T, -T5)	TE\	440	50	0,28	1,6/16	0.45/4.5	1300	_
N91L160FZ(-1, -15)		440	60	0,23	1,25/12,5	0.37/3.7	1600	

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

RATED TORQUE OF GEARHEAD

● 50Hz

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	70	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5
Motor/																									
Gearhead	Ratio	3	3,6	5	6	7.5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□60F□	I(-T, -T5)	1,06	1,27	1,76	2,11	2,64	3,17	3,52	3,96	4,76	5,71	6,34	7,14	8,56	10,27	11,42	14,27	17,12	20	20	20	20	20	20	20
K9P□	B, BF	10,6	12.7	17.6	21,1	26,4	31,7	35,2	39.6	47.6	57.1	63,4	71.4	85,6	102,7	114.2	142.7	171,2	200	200	200	200	200	200	200

ullet unit = above : N · m / below : kg/cm

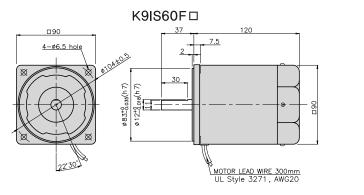
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	a
Motor/	opeca(ipili)	000	000	000	000	240	200	100	1-7	120	100	00	12	_ 00	_ 00	70		00	2-4		10	10	12	10	
Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□60F□	I(-T, -T5)	0,90	1,08	1,50	1,80	2,25	2,70	3,00	3,37	4,05	4,86	5,39	6,07	7,28	8,74	9,71	12,14	14,57	16,39	20	20	20	20	20	20
K9P□	B, BF	9.0	10,8	15.0	18.0	22 <u>.</u> 5	27.0	30,0	33,7	40,5	48,6	53,9	60.7	72 <u>.</u> 8	87.4	97.1	121,4	145.7	163,9	200	200	200	200	200	200

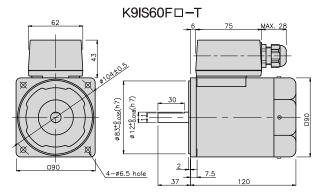
- * Gearhead and decimal gearhead are sold separately.
- * The code in

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

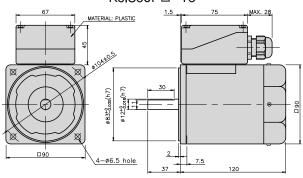


DIMENSIONS



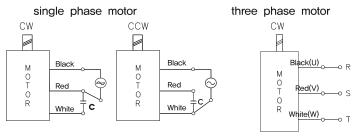


K9IS60F□-T5



CONNECTION DIAGRAMS

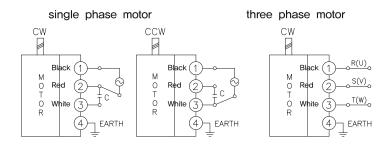
K9IS60F□

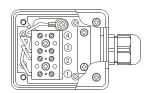


connecting two leadwires of U,V,W in turns

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





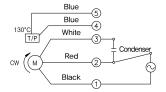


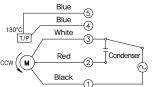
The direction of motor rotation is as viewed from the front shaft end of the motor

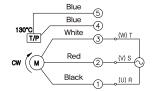
K9IS60F□-T5

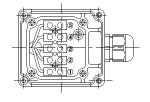
single phase motor

three phase motor









connecting two leadwires of U,V,W in turns

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

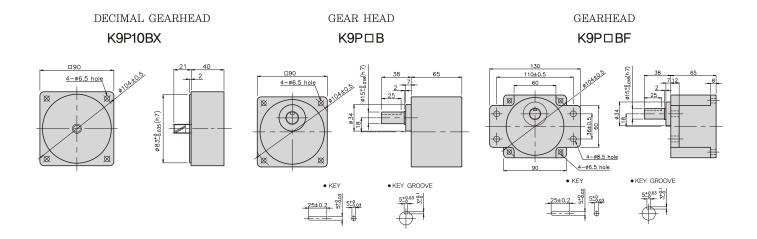




DIMENSIONS







DIMENSIONS

K9IP60F□ + K9P□B



K9IP60F□ + K9P□BF



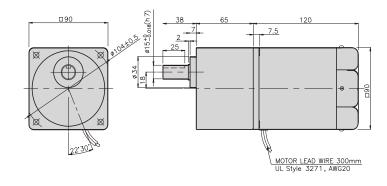
DIMENSION TABLE

PART No		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		2,50
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

K9IP60F□ + K9P□B



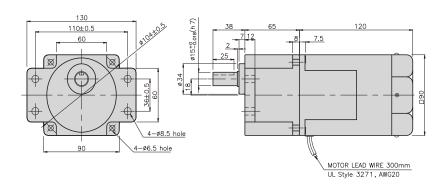
DIMENSION TABLE

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		3.00
DECIMA	AL GEAR HEAD	0,62
	K9P3~10BF	1,22
GEAR	K9P12.5~20BF	1,30
HEAD	K9P25~60BF	1,42
	K9P75~200BF	1.44

K9IP60F□ + K9P□BF





DIMENSIONS

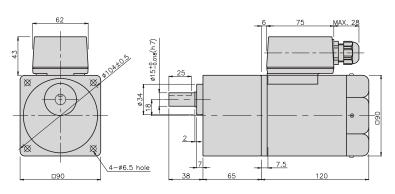
K9IP60F□-T + K9P□B



 $K9IP60F\Box -T + K9P\Box BF$



K9IP60F□-T + K9P□B



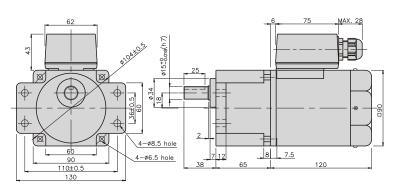
DIMENSION TABLE

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

WEIGHT

	PART	WEIGHT(kg)
	MOTOR	2,68
DECIMA	AL GEAR HEAD	0 <u>.</u> 62
	K9P3∼10B	1,22
GEAR	K9P12.5~20B	1,32
HEAD	K9P25∼60B	1,42
	K9P75~200B	1,45

$K9IP60F\Box -T + K9P\Box BF$



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

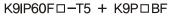
WEIGHT

	WEIGHT(kg)	
	2,68	
DECIM	IAL GEAR HEAD	0.62
	K9P3∼10BF	1,22
GEAR	K9P12.5~20BF	1,32
HEAD	K9P25∼60BF	1,42
	K9P75~200BF	1,45

DIMENSIONS

K9IP60F□-T5 + K9P□B







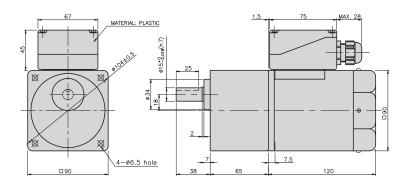
DIMENSION TABLE

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	2 <u>.</u> 68
DECIM/	AL GEAR HEAD	0,62
	K9P3∼10B	1,22
GEAR	K9P12.5~20B	1,32
HEAD	K9P25∼60B	1,42
	K9P75~200B	1.45

K9IP60F□-T5 + K9P□B



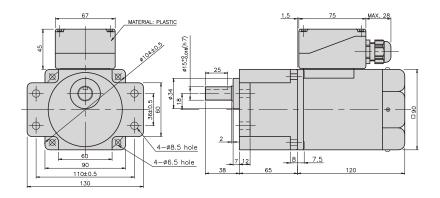
DIMENSION TABLE

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	2 <u>.</u> 68
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

K9IP60F□-T5 + K9P□BF



INDUCTION MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS90F□



K9IS90F□-T, T5



SPECIFICATIONS

90W continuous rating four poles

30 W Cornilladas failing, lour pois	30							
Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T <u>.</u> (N*m/ Kgf*Cm)	Rated T. (N*m/ Kgf*Cm)	Speed (rpm)	Condenser (µF)
K9I□90FJ(-T, -T5)		100	50 60	2.07 1.97	0.55/5.5	0.675/6.75 0.55/5.5	1300 1600	30
K9I□90FU(-T, -T5)		110 115	- 60	1,47 1,52	0.44/4.4 0.485/4.85	0.55/5.5	1600	20
K9I□90FL(-T, -T5)	single –phase	200	50 60	0 <u>.</u> 75 0 <u>.</u> 97	0 <u>.</u> 5/5	0 675/6 75 0 57/5 7	1300 1550	7
1/01=00E0/ T TE)	pridoc	220	50 60	0 <u>.</u> 8 0 <u>.</u> 9	0.45/4.5 0.5/5	0 675/6 75 0 57/5 7	1300 1550	0
K9I□90FC(-T, -T5)		230	50 60	0 <u>.</u> 87 0 <u>.</u> 93	0.55/5.5	0.675/6.75 0.57/5.7	1300 1550	6
K9I□90FD(-T, -T5)		240	50	0.85	0.5/5	0.675/6.75	1300	5
K9I□90FT(-T, -T5)		200	50 60	0,79 0,72	2 25/22 5 1 75/17 5	0.65/6.5 0.55/5.5	1350 1600	_
1/01E 00E1/(T TE)		220	50 60	0,72 0,63	2 35/23 5 1 8/18	0.65/6.5 0.55/5.5	1350 1600	
K9I□90FH(-T, -T5)		230	60 60	0.86 0.66	2 45/24 5 1 95/19 5	0.65/6.5 0.55/5.5	1350 1600	_
K9I□90FM(-T, -T5)	three –phase	380	50 60	0.43 0.37	2 35/23 5 1 7/17	0.65/6.5 0.55/5.5	1350 1600	_
K9I□90FV(-T, -T5)		400	50 60	0.52 0.45	2 65/26 5 2 1/21	0.65/6.5 0.55/5.5	1350 1600	_
K9I□90FQ(-T, -T5)		415	50 60	0.39 0.31	2/20 1.5/15	0.68/6.8 0.55/5.5	1300 1600	_
K9I□90FZ(-T, -T5)		440	50	0.45	2 1/21 1 7/17	0.68/6.8 0.55/5.5	1300	_

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

RATED TORQUE OF GEARHEAD

• 50Hz

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

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12,5	10	8.3	75
Motor/	opecu((pin)	300	410	300	200	200	100	100	120	100	00	15	00	50	41	31	30	20	20	10	10	12,0	10	0,5	7.5
Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□90F□	□(-T, -T5)	1,58	1,90	2,63	3,16	3,95	4,74	5,27	5,92	7,11	8,53	9,48	10,66	12,79	15,35	17,06	20	20	20	20	20	20	20	20	20
K9P□	B, BF	15.8	19,0	26,3	31,6	39,5	47.4	52,7	59,2	71,1	85,3	94.8	106,6	127.9	153,5	170.6	200	200	200	200	200	200	200	200	200

• 60Hz

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

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/	-1																								_
Gearhead	Ratio	3	3,6	5	6	7.5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□90F□		1,34	1,60	2,23	2,67	3,34	4.01	4,46	5.01	6,01	7,22	8,02	9,02	10,83	12,99	14,43	18,04	20	20	20	20	20	20	20	20
K9P□	B, BF	13.4	16,0	22,3	26,7	33,4	40,1	44.6	50,1	60,1	72,2	80,2	90,2	108,3	129,9	144.3	180,4	200	200	200	200	200	200	200	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 $20N \cdot m/200 kg fcm$.
- $_{*}$ 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

• 50Hz

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

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5
Motor/		-				7.5																			
Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□90F	⊐(–T, T5)	1,58	190	2,63	3,16	3,95	4,74	5,27	5,92	7,11	8,53	9,48	10,66	12,79	15,35	17,06	21,32	25,59	30	30	30	30	30	30	30
К9Р□В	U, BUF	15,8	19,0	26,3	31,6	39,5	47.4	52,7	59,2	71,1	85,3	94.8	106,6	127,9	153,5	170,6	213,2	255,9	300	300	300	300	300	300	300

• 60Hz

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

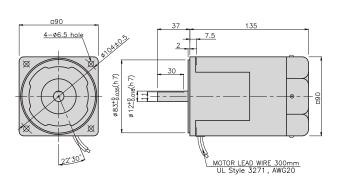
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/	-1(1- /	2000		-	000		200																		200
Gearhead	Ratio	3	3,6	0	ь	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□90F	⊐(–T, T5)	1,34	1,60	2,23	2,67	3,34	4.01	4,46	5,01	6,01	7,22	8,02	9,02	10,83	12,99	14,43	18,04	21,65	24,36	29,23	30	30	30	30	30
К9Р□В	U, BUF	13,4	16,0	22,3	26,7	33,4	40,1	44.6	50,1	60,1	72,2	80,2	90,2	108,3	129,9	144,3	180,4	216.5	243,6	292,3	300	300	300	300	300

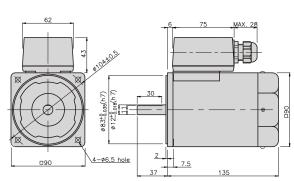
- * Gearhead and decimal gearhead are sold separately.
- * The code in \square of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * If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

DIMENSIONS

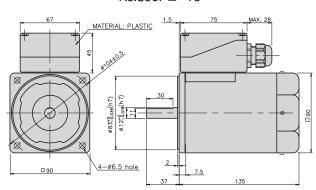
K9IS90F□

K9IS90F□-T





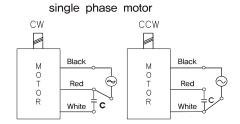
K9IS90F□-T5



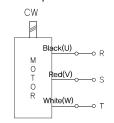
GEARHEADS

CONNECTION DIAGRAMS

K9IS90F□



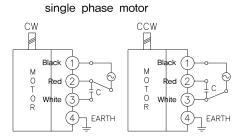
three phase motor



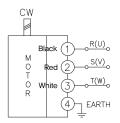
connecting two leadwires of U,V,W in turns

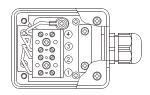
The direction of motor rotation is as viewed from the front shaft end of the motor

K9IS90F□-T



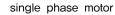
three phase motor

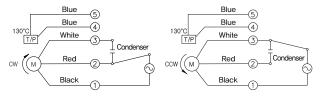




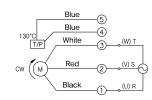
The direction of motor rotation is as viewed from the front shaft end of the motor

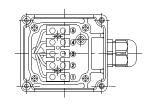
K9IS90F□-T5





three phase motor





connecting two leadwires of U,V,W in turns

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

GEARHEADS

DIMENSIONS

K9P□B



K9P□BF, BUF

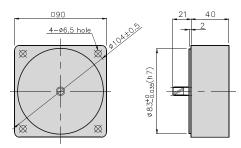


K9P□BU



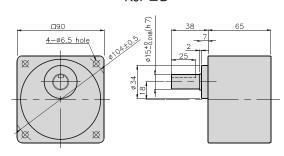
DECIMAL GEARHEAD

K9P10BX



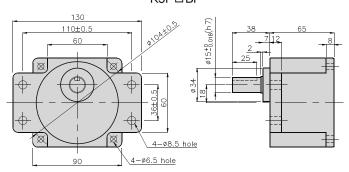
GEAR HEAD





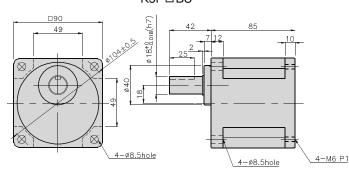
GEARHEAD

K9P□BF



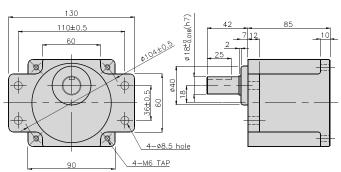
GEARHEAD

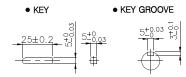
K9P□BU



GEARHEAD

K9P□BUF







GEARHEADS

DIMENSIONS

K9IP90F□ + K9P□B



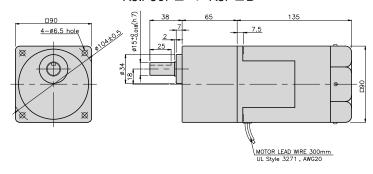
K9IP90F□ + K9P□BF, BUF



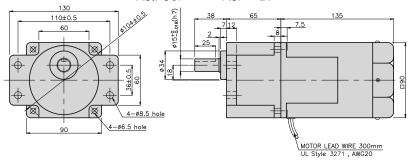
K9IP90F□ + K9P□BU

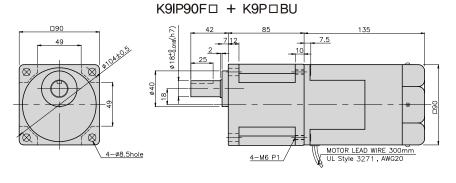


K9IP90F□ + K9P□B

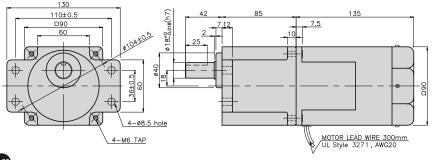


K9IP90F□ + K9P□BF





K9IP90F□ + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3.00
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	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



GEARHEADS

DIMENSIONS

K9IP90F□-T + K9P□B



K9IP90F□-T + K9P□BF, BUF



K9IP90F□-T + K9P□BU



WEIGHT

PART	WEIGHT(kg)
MOTOR	3,18
DECIMAL GEAR HEAD	0.62

DIMENSION TABLE

PART No		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

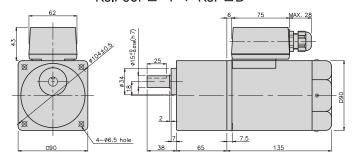
DIMENSION TABLE

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

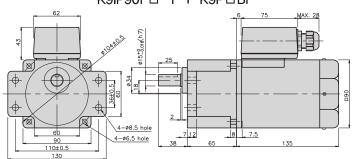
WEIGHT

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

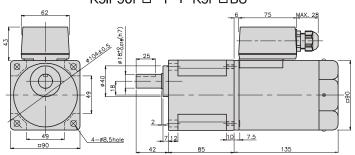
K9|P90F□-T + K9P□B

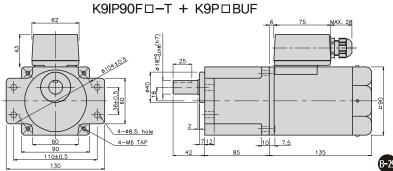


$K9IP90F\Box -T + K9P\Box BF$



K9IP90F□-T + K9P□BU





GEARHEADS

DIMENSIONS

K9IP90F□-T5 + K9P□B

K9IP90F□-T5 + K9P□BF, BUF

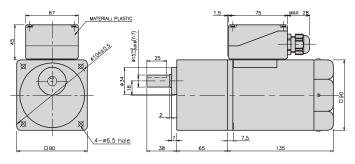
K9IP90F□-T5 + K9P□BU



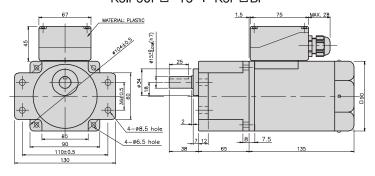




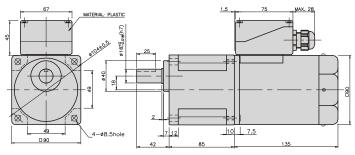
K9IP90F□-T5 + K9P□B



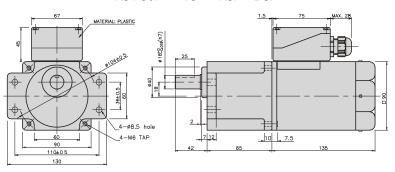
K9IP90F□-T5 + K9P□BF



K9IP90F□-T5 + K9P□BU



K9IP90F□-T5 + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3.18
DECIMAL GEAR HEAD	0 <u>.</u> 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

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

INDUCTION MOTOR

120W

□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS120F□



K9IS120F□-T, T5



SPECIFICATIONS

120W continuous rating, four poles

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/ Kgf*Cm)	Rated T. (N*m/ Kgf*Cm)	Speed (rpm)	Condenser (µF)
K9I□120FJ(-T, -T5)		100	50	2.2	0 <u>.</u> 6/6	0 <u>.</u> 9/9	1300	35
K9I□120F3(=1, =15)		100	60	2 <u>.</u> 2	0.65/6.5	0.735/7.35	1600	35
KOLETOELI T TE		110	- 60	2,13	0.65/6.6	0.725/7.25	1600	30
K9I□120FU(-T, -T5)		115	00	2.3	0 <u>.</u> 7/7	0.735/7.35	1600	30
VOID12051 (T. T5)		200	50	1.07	0.65/6.5	0 <u>.</u> 9/9	1300	8.5
K9I□120FL(-T, -T5)	single-phase	200	60	1,22	0.6/6	0.755/7.55	1550	8
		220	50	0.82	0.55/5.5	0.0/0	1200	6
K9I□120FC(-T, -T5)		230	- 50	0.85	0.6/6	0 <u>.</u> 9/9	1300	6
K911120FC(-1, -15)		220	60	1	0.6/6	0,735/7,35	1600	7
		230	- 60	1,1	0.65/6.5		1600	/
K9I□120FD(-T, -T5)		240	50	0.9	0.6/6	0.9/9	1300	6

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

RATED TORQUE OF GEARHEAD

● 50Hz

unit = above : N·m / below : kgfcm

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	7.5
Motor/	opeca(ipini)	000	710	000	200	200	100	100	120	100		10	00	- 00	-71	01				10	10	10	10	0,0	7.0
Gearhead	Ratio	3	3,6	5	6	7.5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□120F	⊐(-T, -T5)	2,19	2,62	3,65	4,37	5,47	6,56	7,29	8,20	9,84	11,81	13,12	14,76	17,7	20	20	20	20	20	20	20	20	20	20	20
K9P□	B, BF	21,9	26,2	36,5	43,7	54.7	65,6	72,9	82.0	98.4	118,1	131,2	147.6	177	200	200	200	200	200	200	200	200	200	200	200

• 60Hz

unit = above : N · m / below : kgfcm

Model Mater/	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□120F	□(-T, -T5)	1,79	2.14	2,98	3,57	4.47	5,36	5,95	6,70	8,04	9,64	10,72	12,06	14.5	17.4	19,3	20	20	20	20	20	20	20	20	20
K9P□	B, BF	17.9	21,4	29,8	35,7	44,7	53,6	59,5	67.0	80,4	96,4	107.2	120,6	145	174	193	200	200	200	200	200	200	200	200	200

- * Gearhead and decimal gearhead are sold separately.
- * The code in \square of gearhead model is for gear ratio.
- * color indicales 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/200kgfcm.
- * 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

• 50Hz

OULIZ																				L	init = at	bove : I	N·m/	pelow	: kgicm
Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	7.5
Motor/	Opeca(ipili)	000	410	000	200	200	100	100	120	100	- 00	70	00	- 00	41	01	00	20	20	10	10	10	10	0,0	7.0
Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□120F	 ⊐(−T, <i>−</i> T5)	2,19	2,62	3,65	4,37	5,47	6,56	7,29	8,20	9,84	11,81	13,12	14,76	17,71	21,26	23,62	29,52	30	30	30	30	30	30	30	30
K9P□B	U, BUF	21,9	26,2	36,5	43,7	54,7	65,6	72,9	82,0	98,4	118,1	131,2	147,6	177,1	212,6	236,2	295,2	300	300	300	300	300	300	300	300

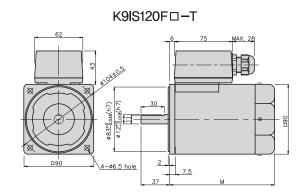
• 60Hz

unit = above : N · m / below : kgtc															: kgfcm										
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□120F□(-T, -T5)		1,79	2,14	2,98	3,57	4,47	5,36	5,95	6,70	8.04	9,64	10.72	12,06	14,47	17,36	19,29	24,11	28,93	30	30	30	30	30	30	30
K9P□BU, BUF		17,9	21,4	29,8	35,7	44.7	53,6	59,5	67.0	80,4	96.4	107.2	120,6	144.7	173,6	192,9	241,1	289,3	300	300	300	300	300	300	300

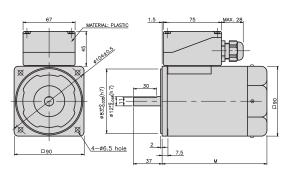
- * Gearhead and decimal gearhead are sold separately.
- * The code in \square of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * If 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 30N·m/300kgfcm.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is $2\sim20\%$ less than indicating rpm according to load size

DIMENSIONS

K9IS120F□ 37 4-96.5 hole 37 7.5 MOTOR LEAD WIRE 300mm UL Style 3271, AWG20



K9IS120F□-T5

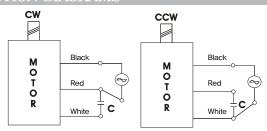


CONNECTION DIAGRAMS

K9IS120F□

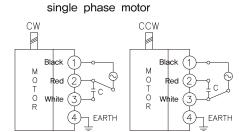
DIMENSION TABLE

PART No	М	Application Model
01	155	50Hz
02	135	60Hz

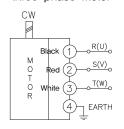


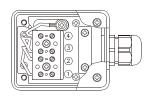
The direction of motor rotation is as viewed from the front shaft end of the motor

K9IS120F□-T



three phase motor

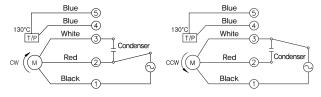




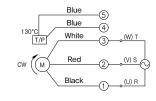
The direction of motor rotation is as viewed from the front shaft end of the motor

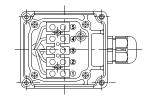
K9IS120F □-T5

single phase motor



three phase motor





connecting two leadwires of U,V,W in turns

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

GEARHEADS

DIMENSIONS

K9P□B



K9P□BF, BUF

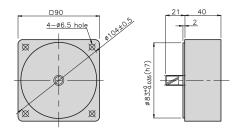


K9P□BU



DECIMAL GEARHEAD

K9P10BX



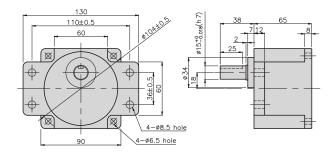
GEAR HEAD

К9Р□В

□90 4-ø6.5 holę

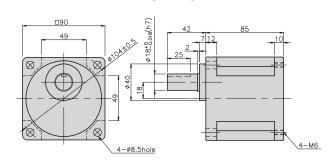
GEARHEAD

K9P□BF



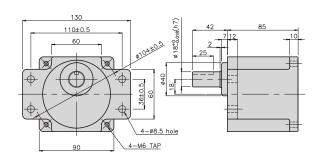
GEARHEAD

K9P□BU



GEARHEAD

K9P□BUF



KEY



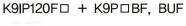
• KEY GROOVE





DIMENSIONS

K9IP120F□ + K9P□B



K9IP120F□ + K9P□BU







WEIGHT

PART	WEIGHT(kg)
MOTOR	3,72
DECIMAL GEAR HEAD	0 <u>.</u> 62

DIMENSION TABLE

PART No	М	Application Model
01	155	50Hz
02	135	60Hz

DIMENSION TABLE

PART No		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

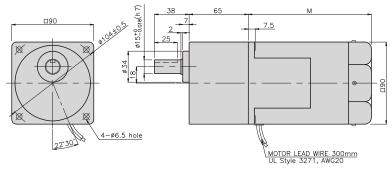
DIMENSION TABLE

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

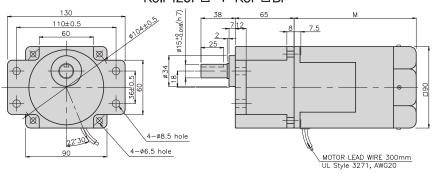
WEIGHT

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

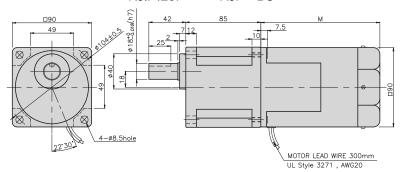
K9IP120F□ + K9P□B



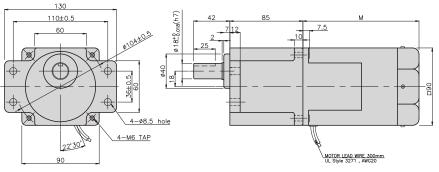
K9IP120F□ + K9P□BF



K9IP120F□ + K9P□BU



K9IP120F□ + K9P□BUF



GEARHEADS

DIMENSIONS

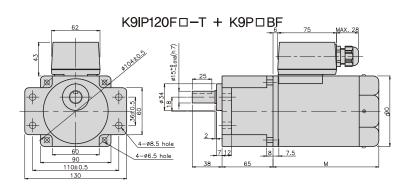
K9IP120F - T + K9P B K9IP120F - T + K9P BF, BUF K9IP120F - T + K9P BU

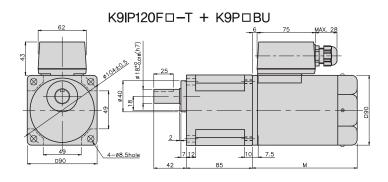


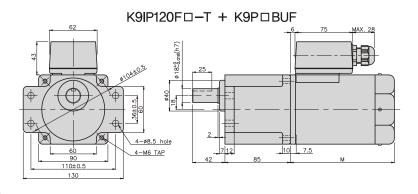




K9IP120F□-T + K9P□B 62 75 MAX. 28 25 25 25 38 65 7.5 M







WEIGHT

PART	WEIGHT(kg)
MOTOR	3.90(50Hz)
MOTOR	3.20(60Hz)
DECIMAL GEAR HEAD	0.62

DIMENSION TABLE

PART No	М	Application Model
01	155	50Hz
02	135	60Hz

DIMENSION TABLE

PART No		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		WEIGHT(kg)
		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		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

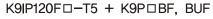
PART No	L	Application Model	Mounting BOLT
01	85	K9P3~200BUF	M6 P1.0 X 20
02	40	K9P10BX	M6 P1.0 X 65

WEIGHT				
PART	WEIGHT(kg)			
K9P3~10BUF	1,50			
K9P12.5~20BUF	1,62			
K9P25~60BUF	1.76			
K9P75~200BUF	1.82			



DIMENSIONS

K9IP120F□-T5 + K9P□B











WEIGHT

PART	WEIGHT(kg)
MOTOR	3,90(50Hz)
WOTOR	3,20(60Hz)
DECIMAL GEAR HEAD	0.62

DIMENSION TABLE

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

WEIGHT

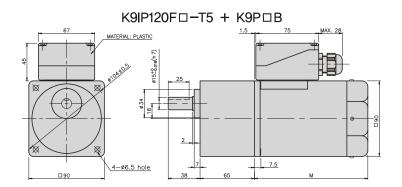
PART	WEIGHT(kg)
K9P3~10BU	1,44
K9P12.5~20BU	1,55
K9P25∼60BU	1,69
K9P75~200BU	1,74

DIMENSION TABLE

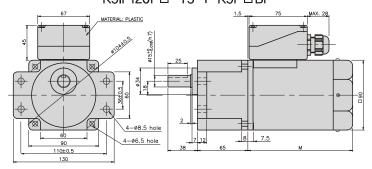
PART No	L	Application Model	Mounting BOLT
01	85	K9P3~200BUF	M6 P1.0 X 20
02	40	K9P10BX	M6 P1.0 X 65

WEIGHT

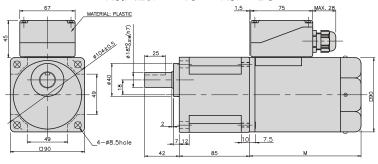
PART	WEIGHT(kg)
K9P3~10BUF	1,50
K9P12,5~20BUF	1,62
K9P25~60BUF	1,76
K9P75~200BUF	1,82

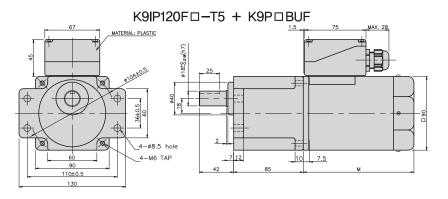


K9IP120F□-T5 + K9P□BF



K9IP120F□-T5 + K9P□BU





INDUCTION MOTOR

150W

□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS150FH



K9IS150F□-T, T5



SPECIFICATIONS

150W continuous rating, four poles

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N∗ m/Kgf∗Cm)	Rated T. (N* m/Kgf*Cm)	Speed (rpm)	Condenser (μF)
K9I□150FT(-T, -T5)		200	50	1 <u>.</u> 2	3 <u>.</u> 5/35	1,13/11,3	1300	_
K911130F1(-1, -15)		200	60	0,95	2,65/26,5	0.915/9.15	1600	
		220	50	0,99	2 <u>.</u> 95/29 <u>.</u> 5	1 10 /11 0	1300	_
KOLD 1505H(T. TS)		230	50	1,1	3/30	1,13/11,3	1300	
K9I□150FH(-T, -T5)		220	60	0 <u>.</u> 97	2,5/25	0.015/0.15	1600	_
		230	00	1 <u>.</u> 02	2 <u>.</u> 7/27	0.915/9.15	1600	
KOLD 1505M/ T T5)	three	200	50	0.57	3/30	1,13/11,3	1300	_
K9I□150FM(-T, -T5)	-phase	380	60	0 <u>.</u> 57	2,25/22,5	0.915/9.15	1600	
K9I□150FV(-T, -T5)		400	50	0.6	3,5/35	1,13/11,3	1300	_
K9ILI30FV(-1, -13)		400	60	0 <u>.</u> 6	2,5/25	0.915/9.15	1600	
VOLD 15050(T T5)		415	50	0.57	3.15/31.5	1,13/11,3	1300	_
K9I□150FQ(-T, -T5)		415	60	0.42	2 <u>.</u> 35/23 <u>.</u> 5	0.915/9.15	1600	
V01□150E7(T T5)		440	50	0,53	3,3/33	1.085/10.85	1350	_
K9I□150FZ(-T, -T5)		440	60	0.44	2 <u>.</u> 6/26	0.915/9.15	1600	

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

RATED TORQUE OF GEARHEAD

• 50Hz

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

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	75
Motor/	opecu((piii)	000	+10	000	200	200	100	100	120	100		10	_ 00			01	-00	20	20	10	10	10	10	0,0	
Gearhead	Ratio	3	3,6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□150F	□(-T, -T5)	2,64	3,16	4,39	5,27	6,59	7,91	8,79	9,89	11,86	14,24	15,82	17,80	20	20	20	20	20	20	20	20	20	20	20	20
K9P□	B, BF	26.4	31,6	43.9	52,7	65,9	79.1	87.9	98.9	118,6	142,4	158,2	178.0	200	200	200	200	200	200	200	200	200	200	200	200

• 60Hz

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

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/	, , ,																								
Gearhead	Ratio	3	3,6	5	6	7.5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□150F□	□(-T, -T5)	2,22	2,67	3,71	4,45	5,56	6,67	7,41	8,34	10,01	12,01	13,34	15,01	18,01	20	20	20	20	20	20	20	20	20	20	20
K9P□	B, BF	22,2	26.7	37.1	44 <u>.</u> 5	55,6	66,7	74.1	83,4	100,1	120,1	133,4	150,1	180,1	200	200	200	200	200	200	200	200	200	200	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/200kgfcm.
- * 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

• 50Hz

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

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	75
Motor/	opecu(ipili)	300	410	300	200	200	100	150	120	100	3	75	00	5	41	5	50	20	20	2	2	2	2	0.	7.0
Gearhead	Ratio	3	3,6	5	6	7 <u>.</u> 5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□150F	□(-T, -T5)	2,64	3,16	4,39	5,27	6,59	7,91	8,79	9,89	11,86	14,24	15,82	17,80	21,36	25,63	28,47	30	30	30	30	30	30	30	30	30
К9Р□В	U, BUF	26.4	31,6	43,9	52,7	65,9	79,1	87,9	98.9	118,6	142,4	158,2	178.0	213,6	256.3	284.7	300	300	300	300	300	300	300	300	300

• 60Hz

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

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	q
Motor/	opeca(rpin)	000	000	000	000	240	200	100	1-7-7	120	100	00	12	- 00	50	Ρ	00	00	4	20	Į.	10	12	10	
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□150F	⊐(−T, −T5)	2,22	2,67	3,71	4,45	5,56	6,67								21,61			30	30	30	30	30	30	30	30
К9Р□В	U, BUF	22,2	26,7	37,1	44,5	55,6	66,7	74,1	83,4	100,1	120,1	133,4	150,1	180,1	216,1	240,1	300	300	300	300	300	300	300	300	300

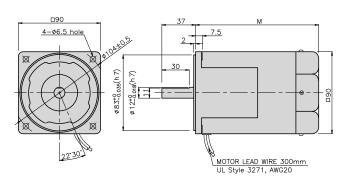
- * Gearhead and decimal gearhead are sold separately.
- * The code in

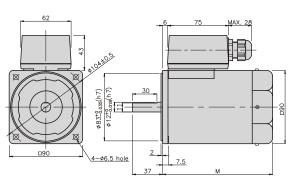
 of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth of the ratio, between the gearhead and the motor. In this case, the permissible torque is 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.

DIMENSIONS

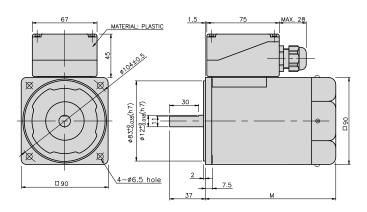
K9IS150FH

K9IS150F□-T





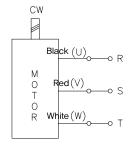
K9IS150F □-T5



GEARHEADS

CONNECTION DIAGRAMS

K9IS150F□



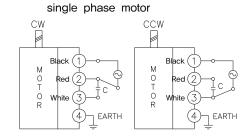
DADT No. A A

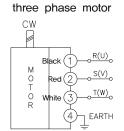
connecting two leadwires of U,V,W in turns
The direction of motor rotation is as viewed from the front shaft end of the motor

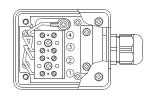
PART No	М	Application Model
01	155	50Hz
02	135	60Hz

DIMENSION TABLE

K9IS150F□-T



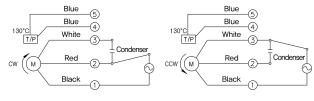




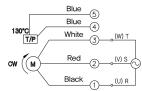
The direction of motor rotation is as viewed from the front shaft end of the motor

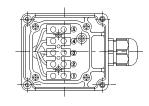
K9IS150F □-T5

single phase motor



three phase motor





connecting two leadwires of U,V,W in turns

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

DIMENSIONS

К9Р□В



K9P□BF, BUF

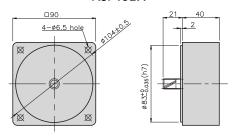


K9P□BU



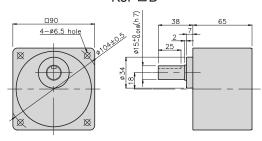
DECIMAL GEARHEAD

K9P10BX



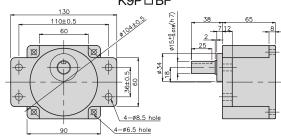
GEAR HEAD

К9Р□В



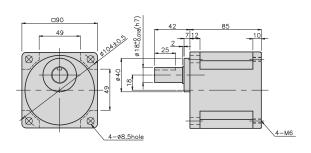
GEARHEAD

K9P□BF



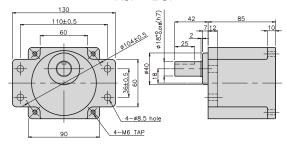
GEARHEAD

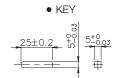
K9P□BU





K9P□BUF







GEARHEADS

DIMENSIONS

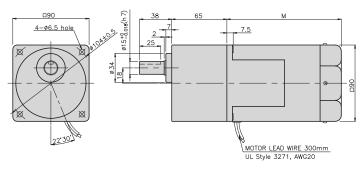
K9IP150F□ + K9P□B K9IP150F□ + K9P□BF, BUF K9IP150F□ + K9P□BU



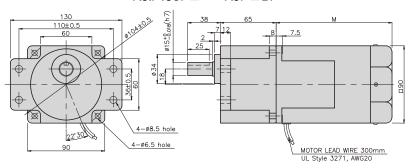




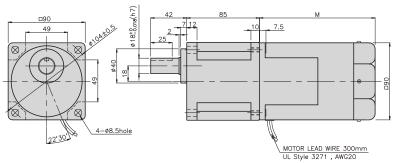
K9IP150F□ + K9P□B



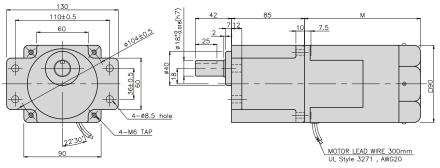
K9IP150F□ + K9P□BF



K9IP150F□ + K9P□BU



K9IP150F□ + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3.82
DECIMAL GEAR HEAD	0,62

DIMENSION TABLE

PART No	М	Application Model
01	155	50Hz
02	135	60Hz

DIMENSION TABLE

PART No		Application Model	Mounting BOLT
01	85	K9P3∼200B	M6 P1.0 X 95
02	40	K9P10BX	M4 P1.0 X 60

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	85	K9P3∼200BF	M6 P1.0 X 95
02	40	K9P10BX	M4 P1.0 X 60

WEIGHT

TTEI GITTI			
PART	WEIGHT(kg)		
K9P3~10BF	1,22		
K9P12,5~20BF	1 <u>.</u> 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 <u>.</u> 5∼20BU	1,55
K9P25~60BU	1,69
K9P75~200BU	1.74

DIMENSION TABLE

	L	Application Model	Mounting BOLT
01	85	K9P3~200BUF	M6 P1.0 X 20
02	40	K9P10BX	M6 P1.0 X 65

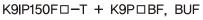
PART	WEIGHT(kg)	
K9P3∼10BUF	1,50	
K9P12.5~20BUF	1,62	
K9P25~60BUF	1,76	
K9P75~200BUF	1,82	



DIMENSIONS

K9IP150F□-T + K9P□B







K9IP150F□-T + K9P□BU



WEIGHT

PART	WEIGHT(kg)
MOTOR	3,24(3,90)
DECIMAL GEAR HEAD	0,62

DIMENSION TABLE

PART No	М	Application Model
01	155	50Hz
02	135	60Hz

DIMENSION TABLE

PART No	L	Application Model	Mounting BOLT
01	85	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		Application Model	Mounting BOLT
01	85	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		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

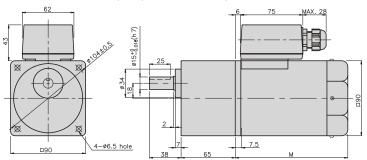
DIMENSION TABLE

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

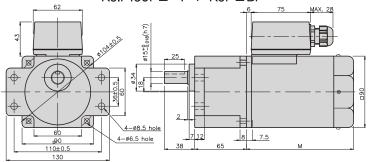
WEIGHT

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

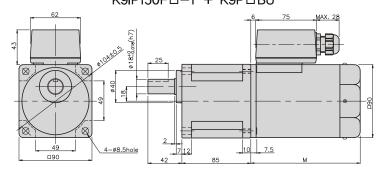
K9IP150F□-T + K9P□B



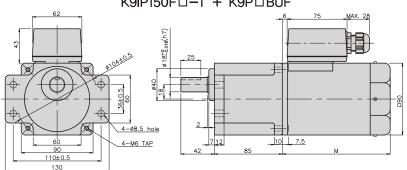
K9IP150F□-T + K9P□BF



K9IP150F□-T + K9P□BU



K9IP150F□-T + K9P□BUF



GEARHEADS

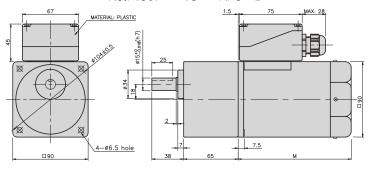
DIMENSIONS



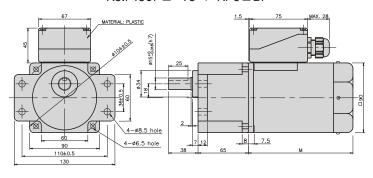




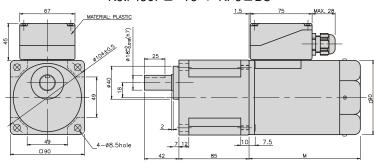
K9IP150F□-T5 + KP9□B



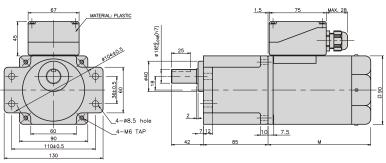
K9IP150F□-T5 + KP9□BF



K9IP150F□-T5 + KP9□BU



K9IP150F□-T5 + KP9□BUF



WEIGHT

PART	
MOTOR	3.24(3.90)
DECIMAL GEAR HEAD	0 <u>.</u> 62

DIMENSION TABLE

PART No	М	Application Model
01	155	50Hz
02	135	60Hz

DIMENSION TABLE

PART No		Application Model	Mounting BOLT
01	85	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		Application Model	Mounting BOLT
01	85	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		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					





INDUCTION MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS180F□



K9IS180F□-T, T5



SPECIFICATIONS

180W continuous rating, four poles

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/ Kgf*Cm)	Rated T. (N*m/ Kgf*Cm)	Speed (rpm)	Condenser (µF)
K9I□180FJ(-T, -T5)		100	50	3 <u>.</u> 43	0 <u>.</u> 9/9	1.35/13.5 1300		50
K9ILI 100F3(-1, -13)		100	60	3.7	1/10	1 <u>.</u> 1/11	1600	30
KOLEHOLEH T. TE)		110	- 60	2 <u>.</u> 85	0.0/0	1 1 /11	1600	35
K9I□180FU(-T, -T5)		115	90	3,06	0 <u>.</u> 8/8	1 <u>.</u> 1/11	1600	35
V01010001 (T TE)		200	50	1,47	0.73/7.3	1,35/13,5	1300	12
K9I□180FL(-T, -T5)	single-phase	200	60	1,43	0.65/6.5	1,1/11	1600	12
		200	50	1,58	0,7/7	1 <u>.</u> 35/13 <u>.</u> 5	1300	
K01510050(T T5)		220	60	1,38	0.65/6.5	1,1/11	1600	
K9I□180FC(-T, -T5)		220	50	1.7	0.75/7.5	1 <u>.</u> 35/13 <u>.</u> 5	1300	8
		230	60	1.54	0.7/7	1 <u>.</u> 1/11	1600	
K9I□180FD(-T, -T5)		240	50	1,2	0 <u>.</u> 8/8	1 <u>.</u> 35/13 <u>.</u> 5	1300	8

 $* \square$: SHAFT SHAPE (S : STRAIGHT, P : PINION)

RATED TORQUE OF GEARHEAD

• 50Hz

unit = above : N·m / below : kgfcm

	Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
	Motor/ earhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
-	<9I□180F□	□(-T, -T5)	3,28	3,94	5,47	6,56	8,20	9,84	10.94	12,30	14.76	17,71	19.68	22,14	26,57	30	30	30	30	30	30	30	30	30	30	30
	K9P□B	U, BUF	32.8	39.4	54.7	65.6	82.0	98.4	109.4	123.0	147.6	177,1	196.8	221,4	265,7	300	300	300	300	300	300	300	300	300	300	300

• 60Hz

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

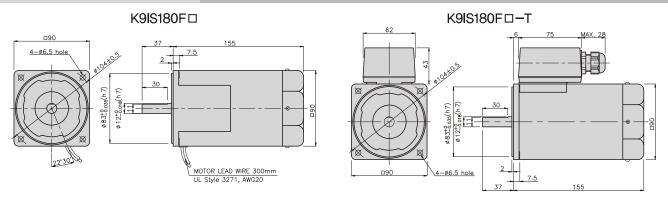
																									0
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□180F	⊐(- T, - T5)	2,67	3,21	4,46	5,35	6,68	8,02	8,91	10,02	12,03	14,43	16,04	18,04	21,65	25,98	28,87	30	30	30	30	30	30	30	30	30
K9P□B	U, BUF	26,7	32,1	44,6	53,5	66,8	80,2	89,1	100,2	120,3	144.3	160,4	180.4	216,5	259,8	288,7	300	300	300	300	300	300	300	300	300

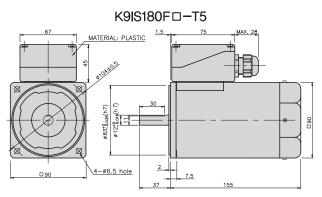
- * Gearhead and decimal gearhead are sold separately.
- * The code in \square of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * If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





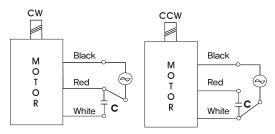
DIMENSIONS





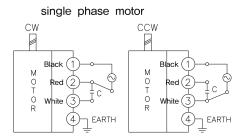
CONNECTION DIAGRAMS

K9IS180F□

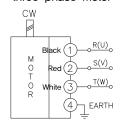


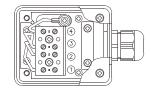
The direction of motor rotation is as viewed from the front shaft end of the motor





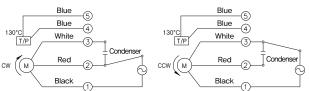
three phase motor





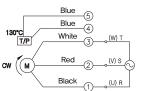
The direction of motor rotation is as viewed from the front shaft end of the motor

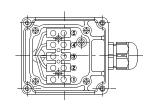
K9IS180F□-T5



single phase motor

three phase motor







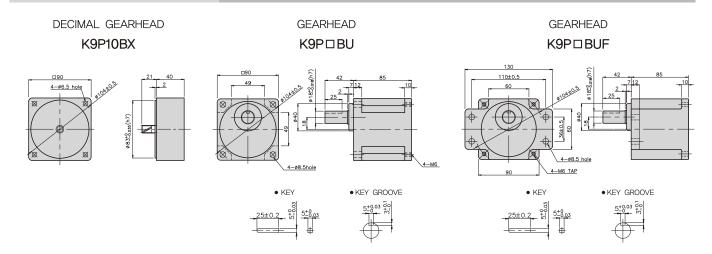
DIMENSIONS

K9P□BU

K9P□BUF







GEARHEADS

DIMENSIONS

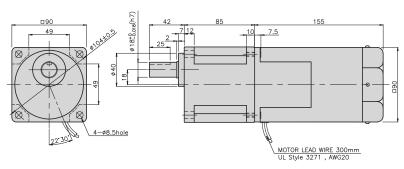
K9IP180F□ + K9P□BU



K9IP180F□ + K9P□BUF



K9IP180F□ + K9P□BU



WEIGHT

PART	WEIGHT(kg)						
MOTOR	3.72						
DECIMAL GEAR HEAD	0.62						

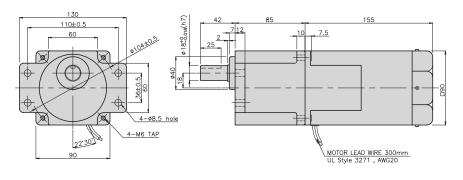
DIMENSION TABLE

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

K9IP180F□ + K9P□BUF



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

PART	WEIGHT(kg)
K9P3~10BUF	1.50
K9P12.5~20BUF	1,62
K9P25∼60BUF	1,76
K9P75~200BUF	1,82

CONNECTION DIAGRAMS

K9IP180F□-T + K9P□BU







WEIGHT

PART	WEIGHT(kg)
MOTOR	3,90
DECIMAL GEAR HEAD	0,62

DIMENSION TABLE

PART No		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

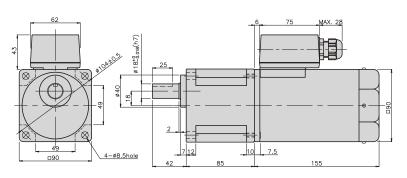
DIMENSION TABLE

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

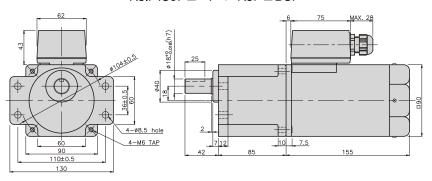
WEIGHT

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

K9IP180F□-T + K9P□BU



K9IP180F□-T + K9P□BUF



GEARHEADS

DIMENSIONS

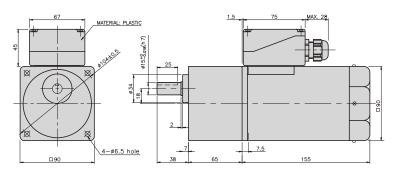
K9IP180F□-T5 + K9P□BU



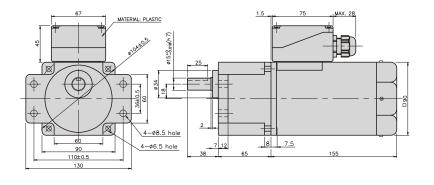
K9IP180F□-T5 + K9P□BUF



K9IP180F□-T5 + K9P□BU



K9IP180F□-T5 + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3.90
DECIMAL GEAR HEAD	0 <u>.</u> 62

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

-					
PART	WEIGHT(kg)				
K9P3∼10BUF	1.50				
K9P12.5~20BUF	1,62				
K9P25∼60BUF	1,76				
K9P75~200BUF	1,82				

INDUCTION MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS200FH



K9IS200F□-T, T5



SPECIFICATIONS

200W continuous rating, four poles

	,							
Mode	I	Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/ Kgf*Cm)	Rated T (N*m Kgf *Cm)	Speed (rpm)	Condenser (µF)
K9I□200FT(-T, -T5)		200	50	1.62	4/40	1 <u>.</u> 5/15	1300	_
K910200F1(-1, -13)		200	60	1,29	3.15/31.5	1.22/12.2	1600	
		220	50	1,36	4.25/42.5	1.45/14.5	1350	_
K9I□200FH(-T, -T5)		220	60	1,06	3,4/34	1.22/12.2	1600	
K9I□200FH(=1, =15)		230	50	1 <u>.</u> 51	4.3/43	1.45/14.5	1350	_
		230	60	1,15	3.5/35	1.22/12.2	1600	
K9I□200FM(-T, -T5)	three-phase	380	50	0 <u>.</u> 81	4.3/43	1.45/14.5	1350	_
K9I□200FM(-1, -15)	triree—priase	380	60	0.58	3,6/36	1.22/12.2	1600	
K9I□200FV(-T, -T5)		400	50	0 <u>.</u> 91	4.5/45	1.45/14.5	1350	_
K9III200FV(-1, -15)		400	60	0 <u>.</u> 67	4/40	1.22/12.2	1600	
KOLE 300EO(T TE)		415	50	0 <u>.</u> 62	3 <u>.</u> 8/38	1 <u>.</u> 5/15	1300	_
K9I□200FQ(-T, -T5)		415	60	0 <u>.</u> 58	3/30	1 <u>.</u> 26/12 <u>.</u> 6	1550	
K9I□200FZ(-T, -T5)		440	50	0 <u>.</u> 68	4.1/41	1 <u>.</u> 5/15	1300	_
N9111200F2(-1, -15)		440	60	0 <u>.</u> 54	3/30	1.22/12.2	1600	

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

RATED TORQUE OF GEARHEAD

• 50Hz

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

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	75
Motor/	opeca(ipili)	300	410	300	250	200	100	150	120	100	00	15	00	50	41	31	30	20	20	10	10	10	10	0,5	7.5
Gearhead	Ratio	3	3,6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□200F	⊐(–T, –T5)	3,52	4,23	5,87	7,05	8,81	10,57	11,75	13,21	15,86	19,03	21,14	23,78	28,54	30	30	30	30	30	30	30	30	30	30	30
К9Р□В	U, BUF	35,2	42,3	58,7	70,5	88,1	105,7	117,5	132,1	158,6	190,3	211,4	237,8	285,4	300	300	300	300	300	300	300	300	300	300	300

• 60Hz

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

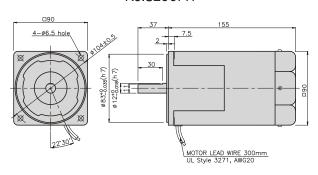
l N	/lodel	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	a
	1otor/	opecu(ipiii)	000	300	300	300	240	200	100	144	120	100	30	12	00	50	40	30	30	24	20	10	10	12	10	J
	arhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
KS	9I□200F	□(-T, -T5)	2,96	3,56	4.94	5,93	7,41	8,89	9,88	11,12	13,34	16,01	17,79	20,01	24,01	28,82	30	30	30	30	30	30	30	30	30	30
	К9Р□В	U, BUF	29.6	35,6	49.4	59.3	74.1	88.9	98.8	111,2	133,4	160,1	177.9	200,1	240.1	288,2	300	300	300	300	300	300	300	300	300	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/300kgfcm.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is $2\sim20\%$ less than indicating rpm according to load size

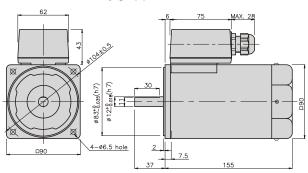




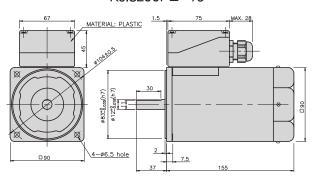
K9IS200FH



K9IS200F□-T

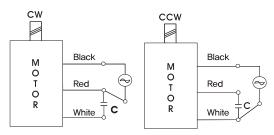


K9IS200F □-T5



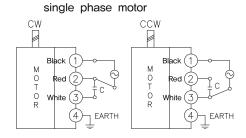
CONNECTION DIAGRAMS

K9IS200F□

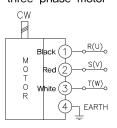


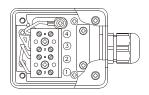
The direction of motor rotation is as viewed from the front shaft end of the motor

K9IS200F□-T



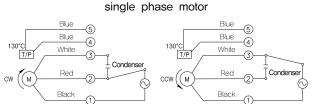
three phase motor



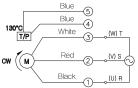


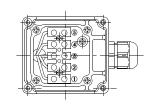
The direction of motor rotation is as viewed from the front shaft end of the motor

K9IS200F□-T5



three phase motor







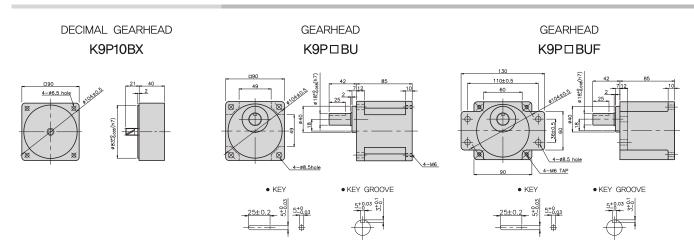
DIMENSIONS

K9P□BU



K9P□BUF







DIMENSIONS

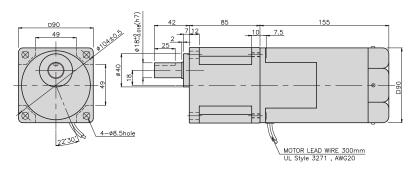
K9IP200F□ + K9P□BU



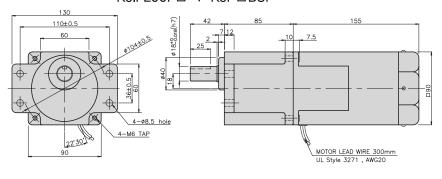
K9IP200F□ + K9P□BUF



K9IP200F□ + K9P□BU



K9IP200F□ + K9P□BUF



WEIGHT

PART	WEIGHT(kg)				
MOTOR	3,82				
DECIMAL GEAR HEAD	0.62				

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

PART	WEIGHT(kg)				
K9P3~10BUF	1,50				
K9P12.5~20BUF	1,62				
K9P25~60BUF	1,76				
K9P75~200BUF	1.82				



DIMENSIONS

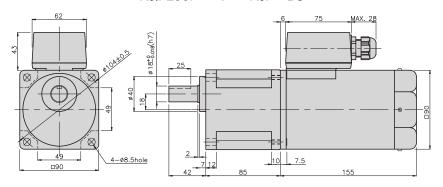
K9IP200F□-T + K9P□BU



$K9IP200F\Box -T + K9P\Box BUF$



K9IP200F□-T + K9P□BU



WEIGHT

PART	WEIGHT(kg)				
MOTOR	4.00				
DECIMAL GEAR HEAD	0 <u>.</u> 62				

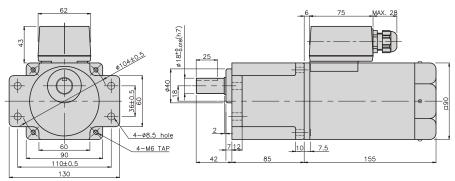
DIMENSION TABLE

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

WEIGHT

WEIGHT(kg)					
1,44					
1 <u>.</u> 55					
1,69					
1,74					

K9IP200F□-T + K9P□BUF



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

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

DIMENSIONS

K9IP200F□-T5 + K9P□BU



K9IP200F□-T5 + K9P□BUF



WEIGHT

PART	WEIGHT(kg)						
MOTOR	4.00						
DECIMAL GEAR HEAD	0,62						

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

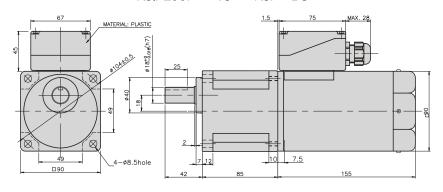
DIMENSION TABLE

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

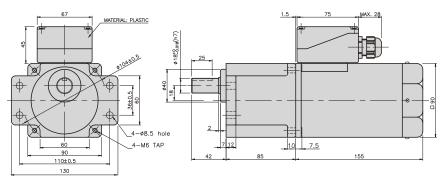
WEIGHT

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

K9IP200F□-T5 + K9P□BU



K9IP200F□-T5 + K9P□BUF





REVERSIBLE MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9RS60F□



K9RS60F□-T, T5



SPECIFICATIONS

60W continuous rating, four poles

60W continuous rating, four poles								
Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/ Kgf*Cm)	Rated T. (N*m/ Kgf*Cm)	Speed (rpm)	Condenser (µF)
K9R□60FJ(-T, -T5)		100	50	1 <u>.</u> 48	0.48/4.8	0 <u>.</u> 47/4 <u>.</u> 7	1250	25
K9K 00F3(-1, -13)		100	60	1 <u>.</u> 66	0.46/4.6	0.38/3.8	1550	25
K9R□60FU(-T, -T5)		110	60	1 <u>.</u> 25	0 <u>.</u> 4/4	0.38/3.8	1550	17
K9K1100F0(-1, -13)		115	00	1 <u>.</u> 31	0.425/4.25	0.38/3.8	1990	17
K9R□60FL(-T, -T5)		200	50	0 <u>.</u> 72	0 <u>.</u> 5/5	0 <u>.</u> 47/4 <u>.</u> 7	1250	6
K9K1100FL(-1, -13)	single-phase	200	60	0 <u>.</u> 76	0.44/4.4	0.39/3.9	1500	0
		220	50	0.69	0.45/4.5	0.47/4.7	1250	
K9R□60FC(-T, -T5)		220	60	0.76	0.48/4.8	0.38/3.8	1550	5
K9R□60FC(=1, =15)		230	50	0 <u>.</u> 77	0.5/5	0.47/4.7	1250	5
		230	60	0 <u>.</u> 79	0 <u>.</u> 5/5	0.38/3.8	1550	
K9R□60FD(-T, -T5)		240	50	0.75	0.5/5	0.47/4.7	1250	5

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

RATED TORQUE OF GEARHEAD

• 50Hz

unit = above : N·m / below : kgfcm

	_																								
Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12,5	10	8,3	7,5
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□60F	⊐(-T, -T5)	1,14	1,37	1,90	2,28	2,86	3,43	3,81	4,28	5,14	6,17	6.85	7,71	9,25	11,10	12,33	15,42	18,50	20	20	20	20	20	20	20
K9P□	B, BF	11,4	13.7	19,0	22,8	28,6	34.3	38,1	42,8	51.4	61.7	68.5	77,1	92.5	111,0	123,3	154.2	185	200	200	200	200	200	200	200

• 60Hz

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

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7 <u>.</u> 5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□60F□	□(-T, -T5)	0,92	1,11	1,54	1,85	2,31	2,77	3,08	3,46	4,16	4,99	5,54	6,23	7,48	8,98	9,97	12,47	14,96	16,83	20	20	20	20	20	20
K9P□	B, BF	9,2	11,1	15,4	18,5	23,1	27.7	30,8	34,6	41,6	49,9	55,4	62,3	74,8	89,8	99,7	124,7	149,6	168.3	200	200	200	200	200	200

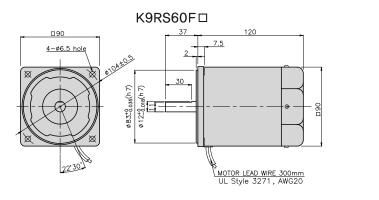
- * Gearhead and decimal gearhead are sold separately.
- * The code in

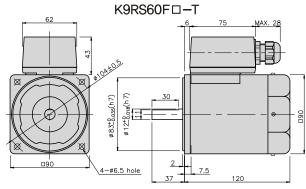
 of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction
- * If you are to have less ratio than the ratio in the table, you can install the decimal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





DIMENSIONS

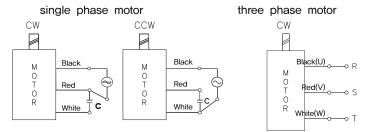




K9RS60F□-T5 67 MATERIAL: PLASTIC 30 4-Ø6.5 hole 37 7.5 120

CONNECTION DIAGRAMS

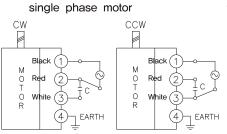
K9RS60F□

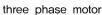


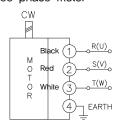
connecting two leadwires of U,V,W in turns

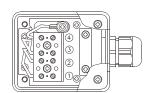
The direction of motor rotation is as viewed from the front shaft end of the motor











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

K9RS60F□-T5

Blue

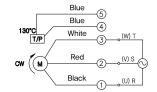
Blue

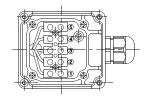


Blue (5)
Blue (4)
White (3)
T/P (Annual Condenser)

Red (2)
Black (1)

three phase motor





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



Condense



DIMENSIONS





DECIMAL GEARHEAD

K9P10BX

K9P0B

K9P0B

K9P0BF

Ref Groove

**Ref Groove

GEARHEADS

DIMENSIONS

K9RP60F□ + K9P□B



K9RP60F□ + K9P□BF



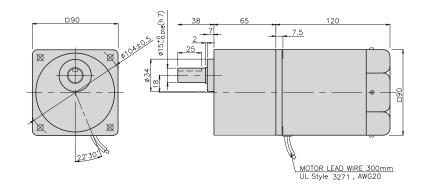
DIMENSION TABLE

PART No		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	2 <u>.</u> 50
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□ + K9P□B



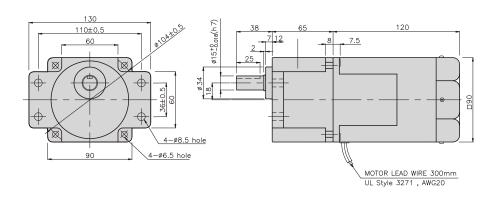
DIMENSION TABLE

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	3.00
DECIMA	AL GEAR HEAD	0,62
	K9P3~10BF	1,22
GEAR	K9P12.5~20BF	1,30
HEAD	K9P25~60BF	1.42
	K9P75~200BF	1,44

K9RP60F□ + K9P□BF





DIMENSIONS

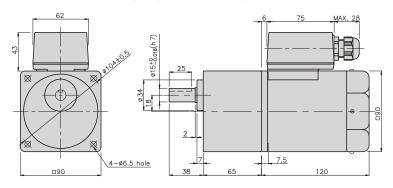
 $K9RP60F\Box -T + K9P\Box B$



K9RP60F□-T + K9P□BF



 $K9RP60F\Box -T + K9P\Box B$



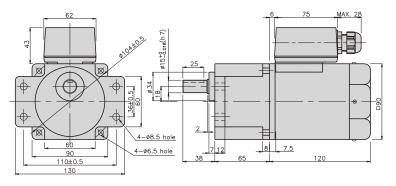
DIMENSION TABLE

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

WEIGHT

	PART	WEIGHT(kg)
	MOTOR	2,68
DECIMA	AL GEAR HEAD	0 <u>.</u> 62
	K9P3∼10B	1,22
GEAR	K9P12.5~20B	1,32
HEAD	K9P25∼60B	1,42
	K9P75~200B	1,45

K9RP60F□-T + K9P□BF



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

	PART	WEIGHT(kg)
	2,68	
DECIM	IAL GEAR HEAD	0.62
	K9P3∼10BF	1,22
GEAR	K9P12.5~20BF	1,32
HEAD	K9P25∼60BF	1,42
	K9P75~200BF	1,45

DIMENSIONS

K9RP60F□-T5 + K9P□B



K9RP60F□-T5 + K9P□BF



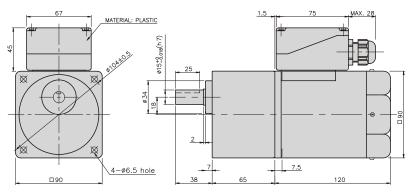
DIMENSION TABLE

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	2 <u>.</u> 68
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□-T5 + K9P□B



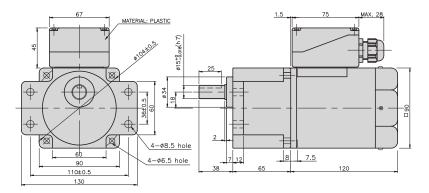
DIMENSION TABLE

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	2 <u>.</u> 68
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

K9RP60F□-T5 + K9P□BF





REVERSIBLE MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9RS90F□



K9RS90F□-T, T5



SPECIFICATIONS

90W continuous rating, four poles

Model	Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/ Kgf*Cm)	Rated T. (N*m/ Kgf*Cm)	Speed (rpm)	Condenser (µF)		
K9R□90FJ(-T, -T5)		100	50	2 <u>.</u> 52	0 <u>.</u> 6/6	0.705/7.05	1250	35	
K9K 🗆 90F3(=1, =15)		100	60	2 <u>.</u> 42	0.0/0	0.57/5.7	1550	33	
K9R□90FU(-T, -T5)		110	- 60	1 <u>.</u> 88	0.55/5.5	0.57/5.7	1550	25	
		115	00	2 <u>.</u> 12	0.33/3.3	0.57/5.7	1990	25	
140D = 00EL (T TE)		220	50	0 <u>.</u> 9	0.55/5.5	0.705/7.05	1250	8	
K9R□90FL(-T, -T5)	single - phase	220	60	1.1	0 <u>.</u> 55/5 <u>.</u> 5	0.57/5.7	1550		
		220	50	1	0.5/5	0.705/7.05 1250			
KODE100EO(T. TE)		220	60	1.1	0.53/5.3	0.57/5.7	1550	7	
K9R□90FC(-T, -T5)		230	50	1.3	0.6/6	0.705/7.05	1250	/	
		230	60	1,1	0 <u>.</u> 6/6	0.57/5.7	1550		
K9R□90FD(-T, -T5)		240	50	0.94	0.55/5.5	0.705/7.05	1250	6	

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

RATED TORQUE OF GEARHEAD

• 50Hz

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

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12,5	10	8,3	7,5
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□90	F□(-T, -T5)	1,71	2,06	2,86	3,43	4,28	5,14	5,71	6,42	7,71	9,25	10,28	11,56	13,88	16,65	18,5	20	20	20	20	20	20	20	20	20
K9F	□B, BF	17,1	20,6	28,6	34,3	42.8	51,4	57,1	64.2	77.1	92,5	102.8	115,6	138,8	166,5	185.0	200	200	200	200	200	200	200	200	200

• 60Hz

unit = above : N·m / below : kgfcm

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□90F□	□(-T, -T5)	1,39	1,66	2,31	2,77	3,46	4,16	4,62	5,19	6,23	7,48	8,31	9,35	11,22	13,46	14,96	18,7	20	20	20	20	20	20	20	20
K9P□	B, BF	13,9	16,6	23,1	27.7	34.6	41,6	46,2	51,9	62,3	74.8	83,1	93,5	112.2	134,6	149,6	187	200	200	200	200	200	200	200	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/200kgfcm.
- * 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

• 50Hz unit = above : $N \cdot m$ / below : kgfcm

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8,3	7,5
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□90F	⊐(-T, -T5)	1,71	2,06	2,86	3,43	4,28	5,14	5,71	6,42	7,71	9,25	10,28	11,56	13,88	16,65	18,50	23,13	27,75	30	30	30	30	30	30	30
K9RP□E	BU, BUF	17,1	20,6	28,6	34,3	42,8	51,4	57,1	64.2	77,1	92,5	102,8	115,6	138,8	165,6	185,0	231,3	277.5	300	300	300	300	300	300	300

• 60Hz $\mathsf{unit} = \mathsf{above} : \mathsf{N} \cdot \mathsf{m} \ / \ \mathsf{below} : \mathsf{kgfcm}$

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□90F	⊐(-T, -T5)	1,39	1,66	2,31	2,77	3,46	4,16	4,62	5,19	6,23	7,48	8,31	9,35	11,22	13,46	14,96	18,70	22,44	25,24	30	30	30	30	30	30
K9RP□E	BU, BUF	13,9	16,6	23,1	27.7	34,6	41.6	46,2	51,9	62,3	74,8	83,1	93,5	112,2	134,6	149,6	187,0	224.4	252,4	300	300	300	300	300	300

* Gearhead and decimal gearhead are sold separately.

K9RS90F□

* The code in

of gearhead model is for gear ratio.

□90 4-ø6.5 hole

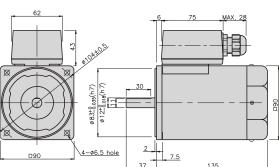
- * _____ color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth 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.

DIMENSIONS

30 Ø12±0.018(h7)

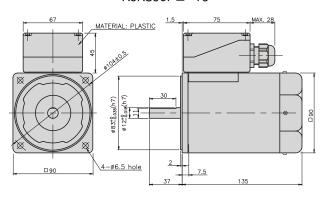
MOTOR LEAD WIRE 300mm UL Style 3271, AWG20





K9RS90F□-T

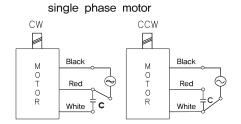
K9RS90F□-T5



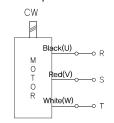
GEARHEADS

CONNECTION DIAGRAMS

K9RS90F□



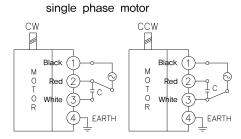
three phase motor



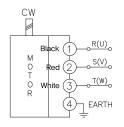
connecting two leadwires of U,V,W in turns

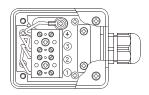
The direction of motor rotation is as viewed from the front shaft end of the motor

K9RS90F□-T



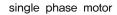
three phase motor

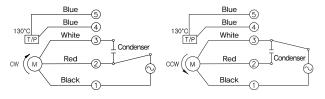




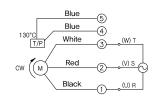
The direction of motor rotation is as viewed from the front shaft end of the motor

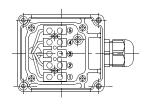
K9RS90F□-T5





three phase motor





connecting two leadwires of U,V,W in turns

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

GEARHEADS

DIMENSIONS

K9P□B



K9P□BF, BUF

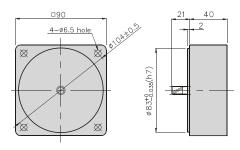


K9P□BU



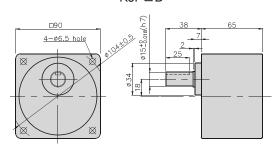
DECIMAL GEARHEAD

K9P10BX

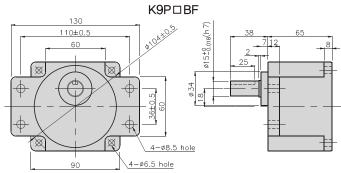


GEAR HEAD

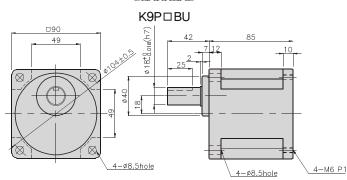
К9Р□В



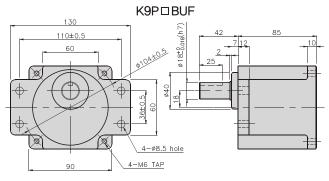
GEARHEAD



GEARHEAD



GEARHEAD



• KEY • KEY GROOVE



GEARHEADS

DIMENSIONS

K9RP90F□ + K9P□B

K9RP90F□ + K9P□BF, BUF

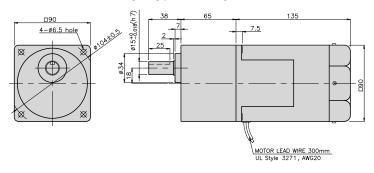
K9RP90F□ + K9P□BU



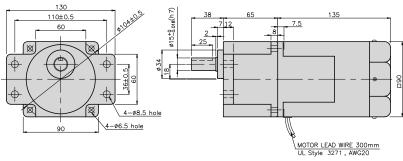




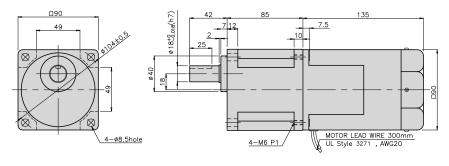
K9RP90F□ + K9P□B



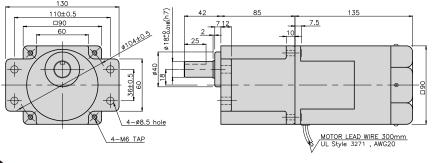
K9RP90F□ + K9P□BF



K9RP90F□ + K9P□BU



K9RP90F□ + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3.00
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	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

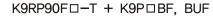
DIMENSION TABLE

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

PART	WEIGHT(kg)
K9P3∼10BUF	1,50
K9P12.5~20BUF	1,62
K9P25~60BUF	1,76
K9P75~200BUF	1.82

DIMENSIONS

K9RP90F□-T + K9P□B



K9RP90F□-T + K9P□BU







WEIGHT

PART	WEIGHT(kg)
MOTOR	3 <u>.</u> 18
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	L	Application Model	Mounting BOLT
01	85	K9P3~200BU	M6 P1.0 X 20
02	40	K9P10BX	M6 P1.0 X 60

WEIGHT

	WEIGHT(kg)
K9P3∼10BU	1.44
K9P12.5~20BU	1,55
K9P25~60BU	1,69
K9P75~200BU	1,74

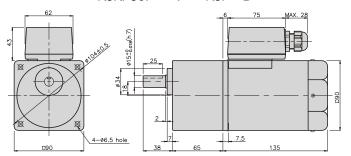
DIMENSION TABLE

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

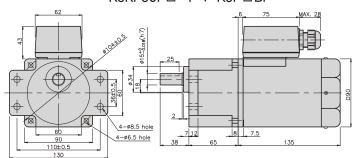
WEIGHT

WEIGHT		
PART	WEIGHT(kg)	
K9P3∼10BUF	1,50	
K9P12.5~20BUF	1,62	
K9P25∼60BUF	1,76	
K9P75~200BUF	1.82	

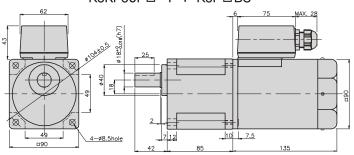
$K9RP90F\Box -T + K9P\Box B$



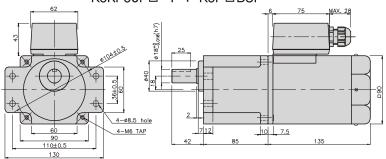
K9RP90F□-T + K9P□BF



K9RP90F□-T + K9P□BU



K9RP90F□-T + K9P□BUF



DIMENSIONS

K9RP90F□-T5 + K9P□B



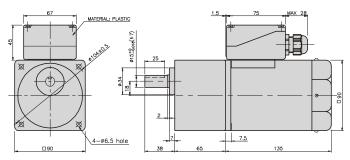
K9RP90F□-T5 + K9P□BU



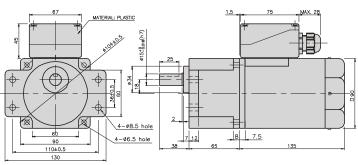




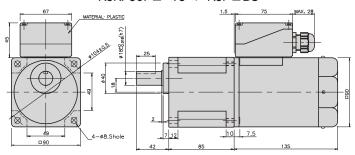
K9RP90F□-T5 + K9P□B



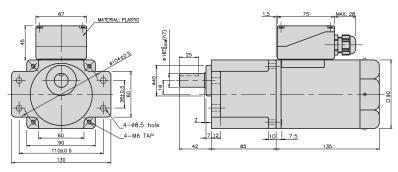
K9RP90F□-T5 + K9P□BF



K9RP90F□-T5 + K9P□BU



K9RP90F□-T5 + K9P□BUF



WEIGHT

PART	WEIGHT(kg)							
MOTOR	3,18							
DECIMAL GEAR HEAD	0 <u>.</u> 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		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 <u>.</u> 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

PART	WEIGHT(kg)
K9P3~10BUF	1,50
K9P12.5~20BUF	1,62
K9P25~60BUF	1.76
K9P75~200BUF	1.82



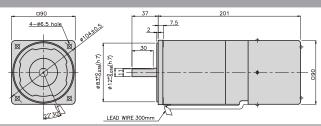
SPEED CONTROL & BRAKE MOTOR



□90mm

K9RS60F□-D





SPECIFICATIONS

60W 30 minutes rating, four poles

Mode		Voltage (V)	Frequency (Hz)	Speed Range (rpm)	Permissib 1200rpm (N*m/ Kgf*Cm)	ole Torque 90rpm (N*m/ Kgf*Cm)	Start T. (N*m/ Kgf*Cm)	Current (A)	Condenser (μF)	Friction T. (N*m/ Kgf*Cm)	
K9R□60FJ-D		100	50 90 ~ 1400		0 <u>.</u> 5/5	0,17/1,7	0 <u>.</u> 3/3	2.5	25	1/10	
K9K 🗆 60F3 – D		100	60	90 ~ 1700	0.3/3	0.1771.7	0.3/3	2.7	25	1710	
K9R□60FU-D		110	60	90 ~ 1700	0 <u>.</u> 5/5	0,17/1,7	0.295/2.95	2.1	17	1/10	
K9K 🗆 60F0-D	single—phase	115	60	90 1 1700	0,070	0.17/1.7	0,293/2,93	2 <u>.</u> 2] "	1/10	
K9R□60FL-D		200	50	90 ~ 1400	0 <u>.</u> 5/5	0.15/1.5	0.26/2.6	0 <u>.</u> 72	6	1/10	
K9KLIOUPL-D		200	60	90 ~ 1700	0.48/4.8	0.17/1.7	0.23/2.3	0.76	0	1710	
		220	50	90 ~ 1400	0 <u>.</u> 5/5	0.15/1.5	0.3/3	0.95			
K9R□60FC-D		220	60	90 ~ 1700	0.48/4.8	0.17/1.7	0.26/2.6	0.94	5	1/10	
K9R LI 60FC LD		220	50	90 ~ 1400	0 <u>.</u> 5/5	0.15/1.5	0 <u>.</u> 3/3	1	3	1/10	
		230	60	90 ~ 1700	0.48/4.8	0.17/1.7	0.26/2.6	1 <u>.</u> 2			
K9R□60FD-D		240	50	90 ~ 1400	0 <u>.</u> 5/5	0.15/1.5	0.32/3.2	1 <u>.</u> 2	5	1/10	

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

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

Model	Ratio	2	3.6	_	6	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) 3	0	7.5	9	10	12,5	ıo	10	20	25	30	30	40	50	60	75	90	100	120	150	100	200
K9R□60F□-D	1200	1.22 12.2	1.46 14.6	2.03 20.3	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	20 200
K9P□B, BF	90	0,41	0,50 5.0	0,69 6.9	0,83 8.3	103	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

• Single-phase 200V/240V

unit = above : N · m / below : kgfcm

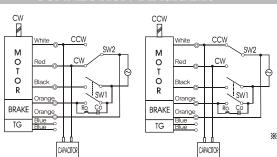
			•																			on inc		,	001011	. ngioiii
Model	Ratio		2	3.6	_	6	7.5	_	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	S	peed(rpm)	٦	3.0)	0	7.5	9	10	•	10		20	-	30	30		50		75	90	100		130		200
	1200	200V/220V/230V 240V/50Hz	1.22 12.2	1.46 14.6	2.03	2.43 24.3	3.04 30.4	3.65 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	20 200
K9R□60F□-D	1200	200V/220V 230V/60Hz	1.17 11.7	1.40 14.0	1.94 19.4	2 <u>.</u> 33 23 <u>.</u> 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	00	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	5.90 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	0,69	0,83	103	1,24 12,4	138	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	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.
- 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 20N m/200kgfcm.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.



CONNECTION DIAGRAMS

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



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

DIMENSIONS

К9Р□В

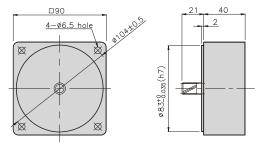


K9P□BF



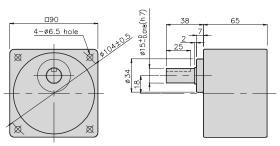
DECIMAL GEARHEAD

K9P10BX



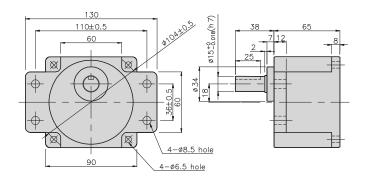
GEARHEAD

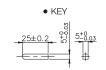
К9Р□В



GEARHEAD

K9P□BF







GGM GGM GEARED MOTOR

GEARHEADS

DIMENSIONS

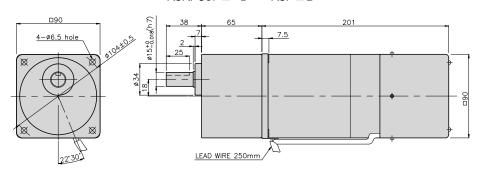
K9RP60F□-D + K9P□B



K9RP60F□-D + K9P□BF



K9RP60F□-D + K9P□B



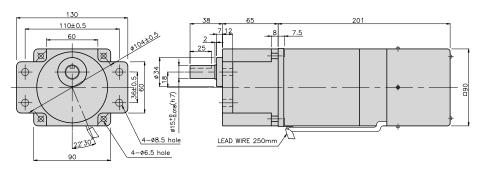
DIMENSION TABLE

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

		WEIGHT(kg)
	MOTOR	3,58
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□-D + 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

	• •	
	PART	
	MOTOR	3 <u>.</u> 58
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

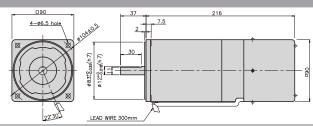
SPEED CONTROL & BRAKE MOTOR



□90mm

K9RS90F□-D





SPECIFICATIONS

90W 30 minutes rating, four poles

Mode	,	Voltage (V)	Frequency (Hz)	Speed Range (rpm)	Permissib 1200rpm (N*m/ Kgf*Cm)	ole Torque 90rpm (N*m/ Kgf*Cm)	Start T. (N*m/ Kgf*Cm)	Current (A)	Condenser (μF)	Friction T. (N*m/ Kgf*Cm)
K9R□90FJ-D		100	50	90 ~ 1400	0,75/7,5	0.25/2.5	0,4/4	3.6	35	1/10
K9KL190F3-D		100	60	90 ~ 1700		0.23/2.3	0.4/4	3.4	35	1/10
KODEIOOELL D		110	60	90 ~ 1700	0,75/7,5	0.25/2.5	0,38/3,8	3	25	1/10
K9R□90FU-D		115	00	90 70 1700	0.75/7.5	0.23/2.3	0,30/3,0	3,2	20	1/10
KODELOOEL D		200	50	90 ~ 1400	0,75/7,5	0.25/2.5	0.4/4	1.4	. 8	1/10
K9R□90FL-D	single-phase	200	60	90 ~ 1700		0.28/2.8	0.4/4	1.5	0	1/10
		220	50	90 ~ 1400		0.25/2.5	0.4/4	1.2		
1/0D=00E0 D		220	60	90 ~ 1700		0.28/2.8	0 <u>.</u> 4/4	1 <u>.</u> 4	7	1/10
K9R□90FC-D		000	50		0 <u>.</u> 75/7 <u>.</u> 5	0.25/2.5	0.42/4.2	1 <u>.</u> 2	'	1/10
		230	60	90 ~ 1700		0.28/2.8	0.43/4.3	1 <u>.</u> 4		
K9R□90FD-D		240	50	90 ~ 1400	0.75/7.5	0.25/2.5	0 <u>.</u> 4/4	1 <u>.</u> 3	6	1/10

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

unit = above : N·m / below : kgfcm

Model	Ratio	1	36	E	6	7.5	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)]	3.0)	0	/ <u>.</u> 5	9	10		10	10	20	20	30	30	40	50	00	/5	90	100	120	150		
K9R□90F□-D	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 17.71	20 200	20 200	20 200

• Single-phase 200V/240V

unit = above : N · m / below : kgfcm

Model		Ratio	2	3 <u>.</u> 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)	0	7.5	9	10	12.5	13	10	20	20	30	30	40	50	00	/5	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□-D K9P□B, BF		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
,	90	200V/220V 230V/50Hz	0,68 6.8	0,82 8,2	1,13	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/200kgfcm.
- * 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·m / below : kgfcm

Model	Ratio			_				40	40.5	45	40		0.5	20		40		00	7.		400	400	450	400	
Motor/ Gearhead	Speed(rpm)	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	/5	90	100	120	150	180	200
K9R□90F□-D	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	273 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

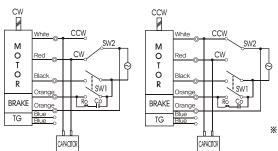
Model Motor/ Gearhead	Sp	Ratio eed(rpm)	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
		1200	1.82 18.2	2.19 21.9	3.04 30.4	3.65 36.5	4.56 45.6	5.47 54.7	6.08 60.8	6.83 68.3	8.20 82.0	9.84 98.4	10.94 109.4	12.30 123.0	14.76 147.6	17.71 177.1	19.68 196.8		29,52 295	30 300						
K9R□60F□-D 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	2.28 22.8	273 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
·	90	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	24.80 248.0	29.76 297.6	30 300

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

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



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



DIMENSIONS

К9Р□В



K9P□BF, BUF

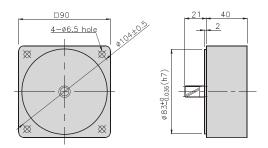


K9P□BU



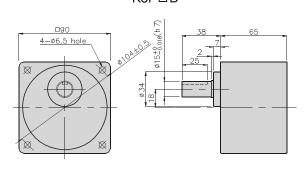
DECIMAL GEARHEAD

K9P10BX



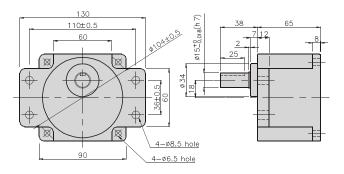
GEARHEAD

K9P□B



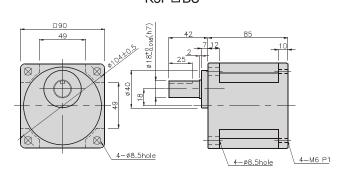
GEARHEAD

K9P□BF



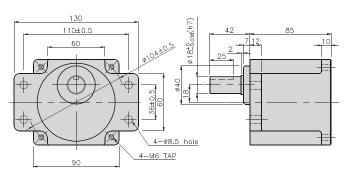
GEARHEAD

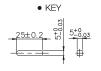
K9P□BU



GEARHEAD

K9P□BUF







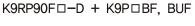


GGM GGM GEARED MOTOR

GEARHEADS

DIMENSIONS

K9RP90F□-D + K9P□B



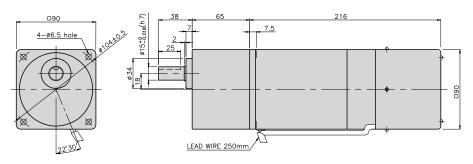
K9RP90F□-D + K9P□BU



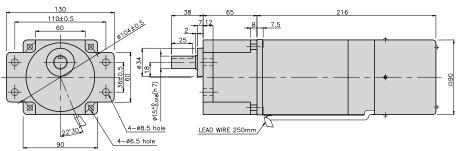




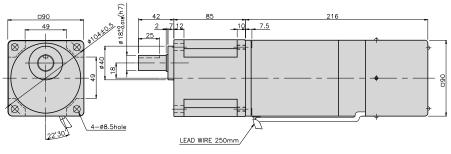
K9RP90F□-D + K9P□B



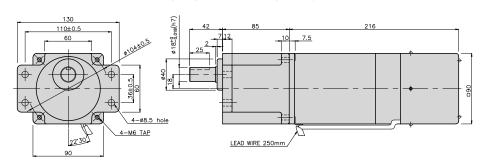
$K9RP90F\Box -D + K9P\Box BF$



K9RP90F□-D + K9P□BU



K9RP90F□-D + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	4.06
DECIMAL GEAR HI	EAD 0 <u>.</u> 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.		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

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



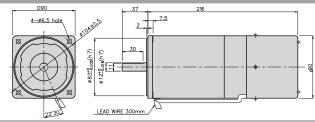
SPEED CONTROL & BRAKE MOTOR



□90mm

K9RS120F□-D





SPECIFICATIONS

120W 30 minutes rating, four poles

120W 30 Milliates fatili	19, 1041 POICO									
Mode) I	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)	Friction T. (N*m/ Kgf*Cm)
K9R□120FJ-D		100	50	90 ~ 1400	0,85/8,5	0,31/3,1	0.45/4.5	3,6	- 40	1/10
K9R 🗆 120FJ — D		100	60	90 ~ 1700	0.65/6.5	0,31/3,1	0.5/5	3.8	40	1/10
K9R□120FU-D		110	60	90 ~ 1700	0.8/8	0 <u>.28/2</u> .8	0,4/4	3	25	1/10
K9K 🗆 120F0 – D		115	00	90 100	0.0/6	0.20/2.8	0.4/4	3	25	1/10
K9R□120FL-D		200	50	90 ~ 1400	0 <u>.</u> 8/8	0.27/2.7	0,37/3,7	1.4	8 <u>.</u> 5	1/10
K9RLIZOFL-D	single-phase	200	60	90 ~ 1700	0.78/7.8	0.29/2.9	0.37/3.7	1 <u>.</u> 5	8	1/10
		220	50	90 ~ 1400	0 <u>.</u> 8/8	0 <u>.</u> 27/2 <u>.</u> 7	0.37/3.7	1.2	6	
K9R□120FC-D		50		90 ~ 1700	0 <u>.</u> 6/6	0.21/2.1	0,37/3,7	1.2		1/10
N9R 🗆 120F C – D		220	60	90 ~ 1400	0 <u>.</u> 78/7 <u>.</u> 8	0 <u>.29/2</u> .9	0.42/4.2	1 <u>.</u> 4	7	1/10
		230	60	90 ~ 1700	0,70,7,6	0.23/2.9	0.42/4.2	1.4	/	
K9R□120FD-D		240	50	90 ~ 1400	0 <u>.</u> 8/8	0.27/2.7	0.37/3.7	1.3	6	1/10

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

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

Model		Ratio	2	26	-	6	7.5	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Sp	peed(rpm)	٦ ٥	3.6	5	0	7.5	9	10	12.5	13	10	20	20	30	30	40	50	00	75	90	100	120	150	100	200
	1200	100V 50/60Hz	2.07 20.7	2.48 24.8	3.44 34.4	4.13 41.3	5.16 51.6	6.20 62.0	6.89 68.9	7.75 77.5	9.29 92.9	11.15 111.5	12.39 123.9	13.94 139.4	16,73 167,3	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200
K9R□120F□-D	1200	110V/115V 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	100V 50/60Hz	0.75 7.5	0.90 9.0	1.26 12.6	1.51 15.1	1.88 18.8	2.26 22.6	2.51 25.1	2.82 28.2	3.39 33.9	4.07 40.7	4.52 45.2	5.08 50.8	6.10 61.0	7.32 73.2	8.14 81.4	10 17 101 7	12.20 122.0	13.73 137.3	16.47 164.7	18.31 183.1	20 200	20 200	20 200	20 200
	90	110V/115V 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	6,61 661	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

• Single-phase 200V/240V

unit = above : N · m / below : kgfcm

Model		Ratio	2	3 <u>.</u> 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)	0	/.5	9	10	12.5	15	10	20	20	30	30	40	50	00	75	90	100	120	150	100	200
	1000	200V/220V/230V 240V/50Hz	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
K9R□120F□-D	1200	200V/220V 230V/60Hz	1.90 19.0	2.27 22.7	3.16 31.6	3.79 37.9	4 74 47 4	5,69 56,9	6.32 63.2	7.11 71.1	8.53 85.3	10.24 102.4	11.37 113.7	12.79 127.9	15.35 153.5	18.42 184.2	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	0,66 6,6	0,79 7 <u>.</u> 9	1.09 10.9	1.31 13.1	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	4.43 44.3	5.31 53.1	6,38 63,8	7.09 70.9	8.86 88.6	10.63 106.3	11.96 119.6	14.35 143.5	15.94 159.4	19.13 191.3	20 200	20 200	20 200
9	90	200V/220V 230V/60Hz	0.70 7.0	0,85 8,5	1 17 11 7	1.41 14.1	1,76 17,6	2 11 21 1	2,35 23,5	2.64 26.4	3.17 31.7	3.81 38.1	4.23 42.3	4.76 47.6	5.71 57.1	6.85 68.5	7.61 76.1	9.51 95.1	11.42 114.2	12.84 128.4	15.41 154.1	17 12 171 2	20 200	20 200	20 200	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/200kgfcm.
- * 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·m / below : kgfcm

Model Motor/ Gearhead	Sp	Ratio eed(rpm)	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150		200
	1200	100V 50/60HZ	2.07 20.7	2.48 24.8	3.44 34.4	4.13 41.3	5,16 51,6	6.20 62.0	6.89 68.9	7.75 77.5	9.29 92.9	11.15 111.5	12,39 123,9	13.94 139.4	16.73 167.3	201	223	27 <u>.</u> 88 279	30 300	30 300						
K9R□120F□-D	1200	100V/115V 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	26,24 262	30 300	30 300						
K9P□BU, BUF	00	100V 50/60HZ	0.75 7.5	0,90 9,0	1.26 12.6	1.51 15.1	1.88 18.8	2.26 22.6	2.51 25.1	2.82 28.2	3.39 33.9	4.07 40.7	4.52 45.2	5.08 50.8	6,10 61,0	7.32 73.2	8.14 81.4	10.17 101.7	12.20 122.0	13.73 137.3	16.47 164.7	18.31 183.1	21.97 219.7	27.46 274.6	30 300	30 300
	90	110V/115V 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	24.80 248.0	29.76 297.6	30 300

• Single-phase 200V/240V

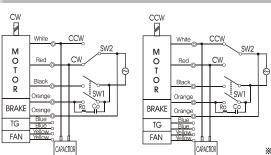
unit = above : $N \cdot m$ / below : kgfcm

Model Motor/	e _n	Ratio	3	3 <u>.</u> 6	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Gearhead	Sp	eed(rpm)																								
	1200	200V/220V/230V 240V 50Hz	1.94 19.4	233	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	30 300	30 300	30 300	30 300	300 300	30 300	30 300	30 300
K9R□120F□-D	1200	200V/220V 230V 60Hz	1.90 19.0	2.27 22.7	3.16 31.6	3.79 37.9	4.74 47.4	5.69 56.9	6.32 63.2	7 11 71 1	8.53 85.3	10.24 102.4	11.37 113.7	12.79 127.9	15.35 153.5	18 42 184 2	20 47 204 7	25 59 255 9	30 300	300 300	30 300	30 300	30 300	30 300	30 300	30 3000
K9P□BU, BUF	00	200V/220V/230V 240V 50Hz	0,66 6,6	0.79 7.9	1.09 10.9	1.31 13.1	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	4.43 44.3	5,31 53.1	6.38 63.8	7.09 70.9	8.86 88.6	10.63 106.3	11.96 119.6	14.35 143.5	15.94 159.4	19 13 191 3	23.91 239.1	28.70 287.0	30 300
	90	200V/220V 230V 60Hz	0,70 7 <u>.</u> 0	0.85 8.5	1.17 11.7	1.41 14.1	1.76 17.6	2.11 21.1	2.35 23.5	2.64 26.4	3.17 31.7	3.81 38.1	4.23 42.3	4.76 47.6	5.71 57.1	6.85 68.5	7.61 76.1	9.51 95.1	11.42 114.2	12.84 128.4	15 41 154 1	17 12 171 2	20.55 205.5	25.69 256.9	30 300	30 300

- * 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 30N m/300kgtcm.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.

CONNECTION DIAGRAMS

Connect Cr circuit for absorbing serge voltage as connection diagram to protect contact point. Ro = $5-200\Omega$ Co = $0.1\sim0.2\mu\text{F}$ 200WV(400WV)



DIMENSION TABLE

PART No.	М	Application Model
01	236	50Hz
02	216	60Hz

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



DIMENSIONS

К9Р□В

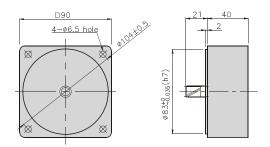


K9P□BF, BUF

K9P□BU

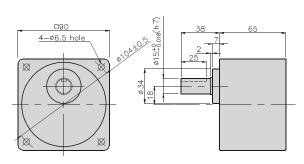
DECIMAL GEARHEAD

K9P10BX



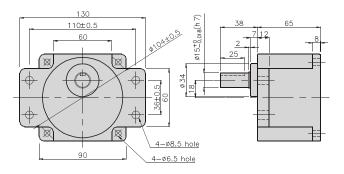
GEARHEAD

K9P□B



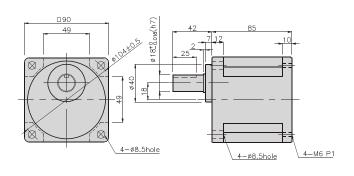
GEARHEAD

K9P□BF



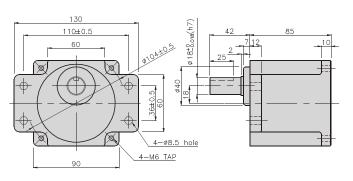
GEARHEAD

K9P□BU



GEARHEAD

K9P□BUF









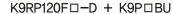
GGM GGM GEARED MOTOR

GEARHEADS

DIMENSIONS

K9RP120F□-D + K9P□B



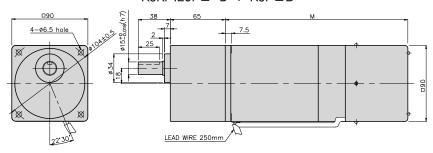


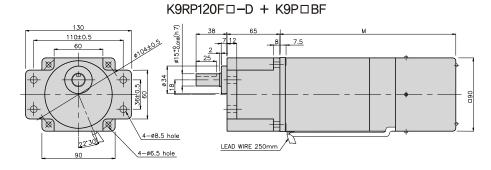




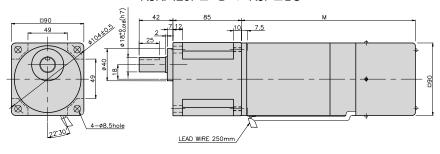


K9RP120F□-D + K9P□B

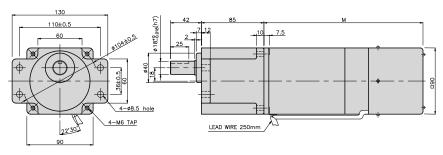




K9RP120F□-D + K9P□BU



K9RP120F□-D + K9P□BUF



WEIGHT

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

DIMENSION TABLE

PART No.	М	Application Model
01	155	50Hz
02	135	60Hz

DIMENSION TABLE

PART No.		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 <u>.</u> 69
K9P75~200BU	1,74

DIMENSION TABLE

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

PART	WEIGHT(kg)
K9P3~10BUF	1,50
K9P12.5~20BUF	1,62
K9P25~60BUF	1.76
K9P75~200BUF	1.82





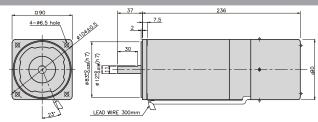
SPEED CONTROL & BRAKE MOTOR



□90mm

K9RS180F□-D





SPECIFICATIONS

180W 30 minutes rating, four poles

100W 30 minutes ratin	9, 1001 poico				Dannaiaaila	la Tavania				
		Voltage	Eroguopou	Speed	1200rpm	le Torque 90rpm	Start T. (N*m/	Curront	Condenser	Friction T.
Mode	(V)	Frequency (Hz)	Range	(N*m/			Current (A)	(μF)	(N*m/	
	(*/		(rpm)	Kgf*Cm)	Kgf*Cm)	Kgf*Cm)		(μι /	Kgf*Cm)	
K0DE190E1 D		100	50	90 ~ 1400	0.88/8.8	0.33/3.3	0.5/5	5	40	1/10
K9R□180FJ-D		100	60	90 ~ 1700		0.33/3.3	0 <u>.</u> 5/5	4.8	40	1/10
K9R□180FU-D K9R□180FL-D	single–phase	110		90 ~ 1700	1.141	0.38/3.8	0.58/5.8	5	40	1/10
		115	60	90 75 1700	1,1/11	0,36/3,6	0.00/0.0	5.2	40	1,10
		200	50	90 ~ 1400	0,88/8,8	0,3/3	0.45/4.5	2 <u>.</u> 2	12	1/10
Kake 180FE-B		200	60	90 ~ 1700		0,3/3	0.38/3.8	۷,۲	12	1,10
		220	50	90 ~ 1400	0,88/8,8	0,3/3	0.42/4.2	2 <u>.</u> 2		
K9R□180FC-D		220	60	90 ~ 1700	1	0,3/3	0.38/3.8	2	- 8	1/10
K9R□180FC=D		230	50	90 ~ 1400	0.95/9.5	0.32/3.2	0.48/4.8	2.4		1710
		250	60	90 ~ 1700		0.02/0.2	0.45/4.5	2 <u>.</u> 2		
K9R□180FD-D		240	50	90 ~ 1400	0.95/9.5	0.32/3.2	0.55/5.5	2	8	1/10

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

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

Model		Ratio	0	3 <u>.</u> 6	5	6	7.5	5	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	13	10	20	20	30	30	40	50	00	75	90	100	120	150	100	200
	1200	100V 50/60HZ	2 14 21 4	2.57 25.7	3.56 35.6	4.28 42.8	5.35 53.5	6.42 64.2	7.13 71.3	8.02 80.2	9.62 96.2	11.55 115.5	12.83 128.3	14.43 144.3	17.32 173.2	20.79 207.9	23.09 230.9	28.87 288.7	30 300	30 300	30 300	30 300	30 300	30 300	30 300	30 300
K9R□180F□-D		110V/115V 60HZ	2.67 26.7	3.21 32.1	4.46 44.6	5.35 53.5	6.68 66.8	8.02 80.2	8,91 89,1	10 02 100 2	12 03 120 3	14.43 144.3	16 04 160 4	18 04 180 4	21.65 216.5	25,98 259,8	28.87 288.7	30 300	300 300	30 300	30 300	30 300	300 300	30 300	30 300	30 300
K9P□BU, BUF		100V 50/60HZ	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	3.01 30.1	3.61 36.1	4.33 43.3	4.81 48.1	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
	90	110V/115V 60HZ	0.92 9.2	1,11	1.54 15.4	1.85 18.5	2.31 23.1	2.77 27.7	3.08 30.8	3.46 34.6	4.16 41.6	4.99 49.9	5 54 55 4	6.23 62.3	7.48 74.8	8.98 89.8	9.97 99.7	12.47 124.7	14.96 149.6	16.83 168.3	20.19 201.9	22.44 224.4	26.93 269.3	30 300	30 300	30 300

Single-phase 200V/240V

unit = above : N·m / below : kgfcm

Model		Ratio	2	26	_	6	75	0	10	10 5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	S	peed(rpm)	٥	3.6	5	6	7 <u>.</u> 5	9	10	12.5	10	10	20	20	30	30	40	50				100	120	100		
	1200	200V/220V 50HZ/60HZ	2.14 21.4	2.57 25.7	3.56 35.6	4.28 42.8	5.35 53.5	6.42 64.2	7.13 71.3	8.02 80.2	9.62 96.2	11.55 115.5	12.83 128.3	14.43 144.3	17.32 173.2	20.79 207.9	23.09 230.9	28.87 288.7	30 300	30 300	30 300	30 300	30 300	30 30	30 300	30 300
K9R□180F□-D	1200	230V/50HZ/60HZ 240V/50HZ	2.31 23.1	2.77 27.7	3,85 38,5	4.62 46.2	5.77 57.7	6.93 69.3	7.70 77.0	8,66 86,6	10.39 103.9	12.47 124.7	13.85 138.5	15.58 155.8	18.70 187.0	22.44 224.4	249.3	30 300	30 300	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	230V/50HZ/60HZ 240V/50HZ	0,78 7 <u>.</u> 8	0.93 9.3	1.30 13.0	1.56 15.6	1.94 19.4	2.33 23.3	2.59 25.9	2.92 29.2	3.50 35.0	4.20 42.0	4.67 46.7	5,25 52,5	6.30 63.0	7.56 75.6	8.40 84.0	10.50 105.0	12.60 126.0	14 17 141 7	17.01 170.1	18.90 189.0	22.67 226.7	28.34 283.4	30 300	30 300

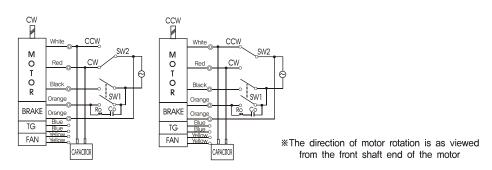
- * Gearhead and decimal gearhead are sold separately. * The code in $\hfill\Box$ of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- *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



DIMENSIONS

K9P□BU

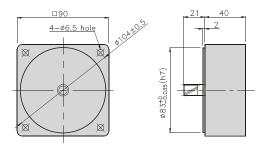


K9P□BUF



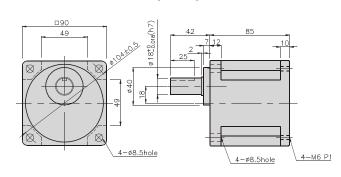
DECIMAL GEARHEAD

K9P10BX



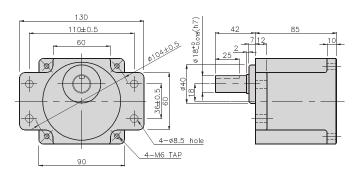
GEARHEAD

K9P□BU



GEARHEAD

K9P□BUF





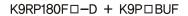




DIMENSIONS

K9RP180F□-D + K9P□BU







WEIGHT

PART	WEIGHT(kg)
MOTOR	4.70
DECIMAL GEAR HEAD	0.62

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	
K9P3~10BU	1.44
K9P12.5~20BU	1,55
K9P25~60BU	1,69
K9P75~200BU	1,74

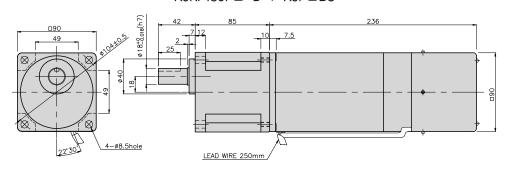
DIMENSION TABLE

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

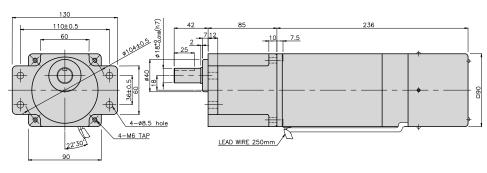
WEIGHT

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

K9RP180F□-D + K9P□BU



K9RP180F□-D + K9P□BUF





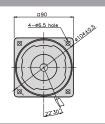
SPEED CONTROL MOTOR - SP SERIES

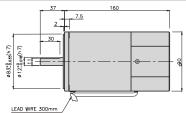


INDUCTION MOTOR

K9IS60F□-SP







SPECIFICATIONS

60W continuous rating, four poles

Mode	ı	Voltage(V)	Frequency (Hz)	Speed Range	Permissib 1200rpm (N*m/	le Torque 90rpm (N*m/	Start T. (N*m/	Current (A)	Condenser (µF)
				(rpm)	kgf*Cm)	kgf*Cm)	Kgf*Cm)		
K9I□60FJ-SP		100	50	90 ~ 1400	0,45/4,5	0.15/1.5	0.24/2.4	2 <u>.</u> 3	20
Rai Door of Sp		100	60	90 ~ 1700	0,45/4,5	0,10/1,0	0.21/2.1	2,0	20
K9I□60FU-SP		110	- 60	90 ~ 1700	0.45/4.5	0.15/1.5	0 <u>285/2</u> 85	2	40
K9100F0-3F		115	00	90 70 1700	0,45/4,5	0,10/1,5	0.283/2.83	2 <u>.</u> 1	16
K9I□60FL-SP		200	50	90 ~ 1400	0.49/4.9	0.14/1.4	0.24/2.4	1 <u>.</u> 2	5
K9III OUFL-SP	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
K9ID60FC=SP		220	50	90 ~ 1400	0.49/4.9	0.14/1.4	0.24/2.4	1	4
		230 -	60	90 ~ 1700	0.45/4.5	0.16/1.6	0.24/2.4		
K9I□60FD-SP		240	50	90 ~ 1400	0.49/4.9	0.14/1.4	0.28/2.8	1,1	4

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

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

Model	Ratio	2	36	5	6	75	0	10	10.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)]	3.0)	0	1.5	9	10	12.5	13	10	20	25	30	30	40	30	00	/5	90	100	120	150	100	200
K9I□60F□-SP	1200	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	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	5.90 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

• Single-phase 200V/240V

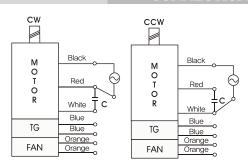
unit = above : N·m / below : kgfcm

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	S	peed(rpm)	٦	3.0)	0	/ <u>.</u> 5	9	10	12.5	10	10	20	20	30	30	40	50	00	/3	90	100	120	150	100	200
	l	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	5.36 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	00	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	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 □ 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/200kgfcm.
- * 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

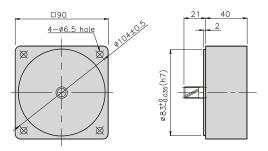


K9P□BF



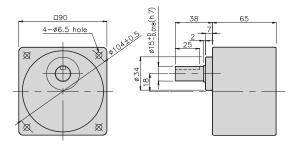
DECIMAL GEARHEAD

K9P10BX



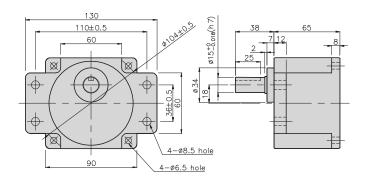
GEARHEAD

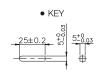
К9Р□В



GEARHEAD

K9P□BF





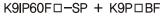


GGM GGM GEARED MOTOR

GEARHEADS

DIMENSIONS

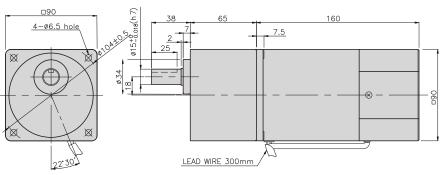
K9IP60F□-SP + K9P□B







K9IP60F□-SP + K9P□B

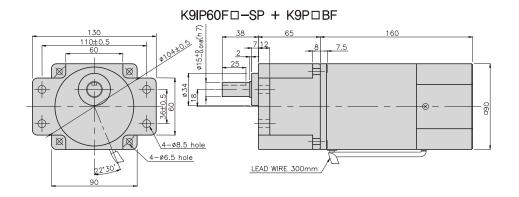


DIMENSION TABLE

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	
	MOTOR	3.06
DECIMA	AL GEAR HEAD	0 <u>.</u> 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

	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

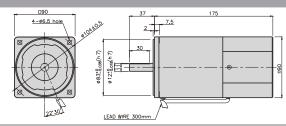


□90mm

INDUCTION MOTOR

K9IS90F□-SP





SPECIFICATIONS

90W 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□90FJ-SP		100	50	90 ~ 1400	0 <u>.</u> 7/7	0 <u>.</u> 23/2 <u>.</u> 3	0.36/3.6	3.2	30
Rei Leon o Gr		100	60	90 ~ 1700	0,171	0.20/2.0	0.30/3.0	5 ,2	30
KOLEDOELL OD		110	- 60	90 ~ 1700	0.7/7	0.00/0.0	0.25/2.5	2.6	20
K9I□90FU-SP	_	115	00	90 70 1700	0 <u>.</u> 7/7	0 <u>.</u> 23/2 <u>.</u> 3	0 <u>.</u> 35/3 <u>.</u> 5	2 <u>.</u> 6	20
1/01/2005I OD		200	50	90 ~ 1400	0.70/7.0	0.23/2.3	0.00/0.0	1.3	7
K9I□90FL-SP	single-phase	200	60	90 ~ 1700	0 <u>.</u> 73/7 <u>.</u> 3	0.26/2.6	0 <u>.</u> 36/3 <u>.</u> 6	1,3	/
		220	50	90 ~ 1400	0	0.23/2.3	0.26/2.6	1,1	
KOLEJOOFO, OD		220	60	90 ~ 1700	0.70/7.0	0.26/2.6	0.36/3.6		6
K9I□90FC-SP		220	50	90 ~ 1400	0 <u>.</u> 73/7 <u>.</u> 3	0.23/2.3	0.4/4	1 <u>.</u> 2	0
		230	60	90 ~ 1700	00	0 <u>.</u> 26/2 <u>.</u> 6	0 <u>.</u> 4/4		
K9I□90FD-SP		240	50	90 ~ 1400	0.73/7.3	0.23/2.3	0.36/3.6	1 <u>.</u> 2	5

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

RATED TORQUE OF GEARHEAD

Single-phase 100V/115V

unit = above : N·m / below : kgfcn

0.	<u> </u>	•																					,		
Model	Ratio	2	26	_	6	7.5	0	10	12.5	15	10	20	25	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	13	10	20	23	30	30		50	00	75	90	100	120	150	100	200
K9I□90F□-SP	1200	170 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	3.77 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 : kgfcm

Model		Ratio	2	26	Е	6	75	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Sp	peed(rpm)	٥	3.0)	0	7.5	9	10	12.5	15		20	20	30	30	40	50	00	75	90	100	120	100	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	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200
K9I□90F□—SP K9P□B, BF		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	3.77 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
,	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/200kgfcm.
- * 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	_	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)] 3	3.6)	0	7.5	9	10	_	13		20	25	30	30	40	50	00	75	90	100	120	100	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	6.38 63.8	7.65 76.5	9.91 91.9	10.21 102.1	11.48 114.8	13.78 137.8	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

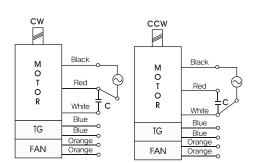
unit = above : $N \cdot m$ / below : kgfcm

Model		Ratio	2	3.6	-	6	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)	٥	3.0	5	O	-	Э	10		13	10	20		30	30	40	30	00	/3	90	100	120	150	100	200
		1200	1 <i>77</i> 17 <i>7</i>	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	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	3.77 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
,	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	23.03 230.3	27.63 276.3	30 300

- * 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 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

DIMENSIONS

К9Р□В



K9P□BF, BUF

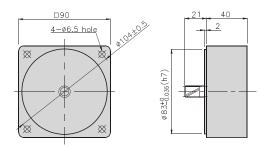


K9P□BU



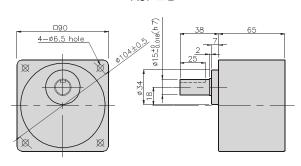
DECIMAL GEARHEAD

K9P10BX



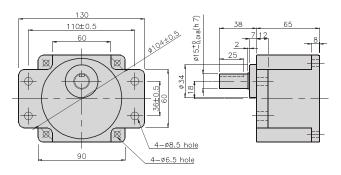
GEARHEAD

К9Р□В



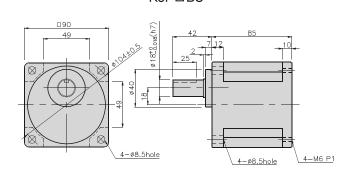
GEARHEAD

K9P□BF



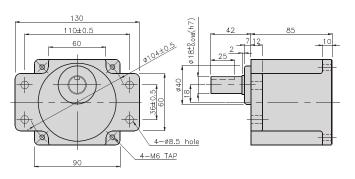
GEARHEAD

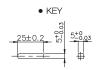
K9P□BU



GEARHEAD

K9P□BUF







GGM GGM GEARED MOTOR

GEARHEADS

DIMENSIONS

K9IP90F□-SP + K9P□B



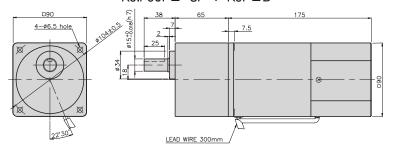
 $K9IP90F\Box$ -SP + $K9P\Box$ BF, BUF



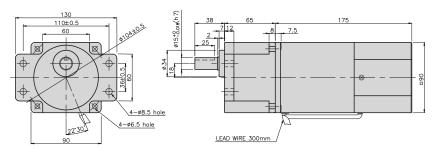
K9IP90F□-SP + K9P□BU



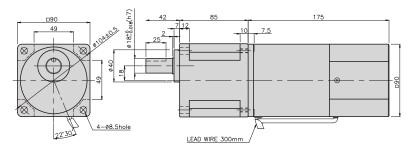
K9IP90F□-SP + K9P□B



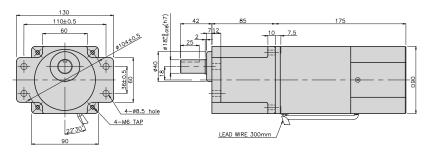
K9IP90F□-SP + K9P□BF



K9IP90F□-SP + K9P□BU



K9IP90F□-SP + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3.58
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.	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

PART	WEIGHT(kg)
K9P3~10BUF	1,50
K9P12.5~20BUF	1,62
K9P25~60BUF	1,76
K9P75~200BUF	1.82





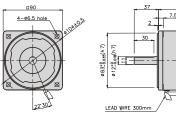
SPEED CONTROL MOTOR - SP SERIES

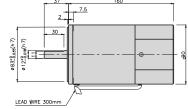


REVERSIBLE MOTOR

K9RS60F□-SP







SPECIFICATIONS

60W 30 minutes rating, four poles

Mode		Voltage	Frequency	Speed Range	Permissib 1200rpm	le Torque 90rpm	Start T. (N∗m/	Current	Condenser
IVIOUE	'	(V)	(Hz)	(rpm)	(N*m/ kgf*Cm)	(N*m/ kgf*Cm)	Kgf*Cm)	(A)	(μF)
K9R□60FJ-SP		100	50	90 ~ 1400	0 <u>.</u> 5/5	0,17/1,7	0.3/3	2 <u>.</u> 5	25
N9N I OOI 0 SP		100	60	90 ~ 1700	0.3/3	0,1771,7	0.3/3	2 <u>.</u> 7	25
K9R□60FU-SP		110	60	90 ~ 1700	0 <u>.</u> 5/5	0,17/1,7	0.295/2.95	2,1	17
Nak 🗆 00F0-3F		115	00	90 19 1700	0.3/3	0.1771.7	0.293/2.93	2 <u>.</u> 2	17
K9R□60FL-SP		200	50	90 ~ 1400	0 <u>.</u> 5/5	0.15/1.5	0.26/2.6	0 <u>.</u> 72	6
N9K LI OUFL - SF	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 <u>.</u> 5/5	0.15/1.5	0 <u>.</u> 3/3	0 <u>.</u> 95	
K9R□60FC-SP		220	60	90 ~ 1700	0.48/4.8	0.17/1.7	0.26/2.6	0 <u>.</u> 94	5
K9KLI 60FC-SP			50	90 ~ 1400	0 <u>.</u> 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 <u>.</u> 5/5	0.15/1.5	0.32/3.2	1.2	5

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

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

Model	Ratio	2	3.6	_	6	75	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)]	3.0)	0	1.5	9	10	12.5	13	10	20	25	30	30	40	50	00	/5	90	100	120	130	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	3.65 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	20 200
K9P□B, BF	90	0.41 4.1	0.50 5.0	0,69 6,9	0,83 8,3	1.03 10.3	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

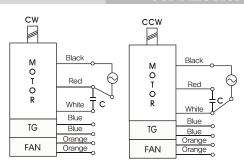
unit = above : N·m / below : kgfcm

Model		Ratio	2	3 <u>.</u> 6	_	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)	0	7.5	9	10	12.5	10	10	20	25	30	30	40	50	00	75	90	100	120	150	100	200
	1200	200V/220V/230V 240V/50Hz	1.22 12.2	1.46 14.6	2.03 20.3	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	00	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	137 137	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	5.90 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 \square of gearhead model is for gear ratio.
- color indicales 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/200kgfcm.
- * 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

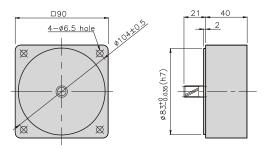


K9P□BF



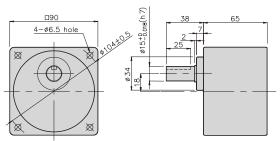
DECIMAL GEARHEAD

K9P10BX



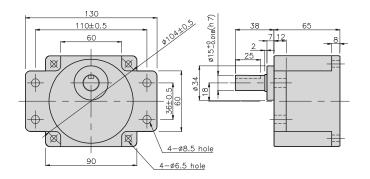
GEARHEAD

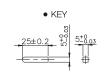
К9Р□В



GEARHEAD

K9P□BF









DIMENSIONS

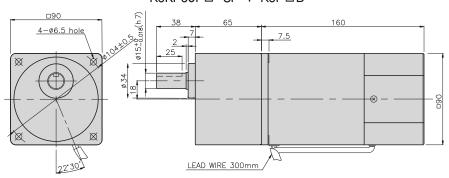
K9RP60F□-SP + K9P□B







K9RP60F□-SP + K9P□B



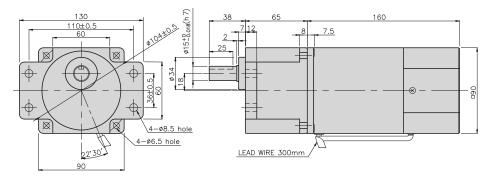
DIMENSION TABLE

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

WEIGHT

		WEIGHT(kg)
	MOTOR	3.06
DECIMA	AL GEAR HEAD	0 <u>.</u> 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

	PART	WEIGHT(kg)
	MOTOR	3,06
DECIM/	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

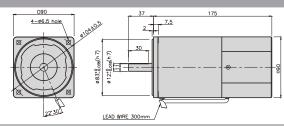


□90mm

REVERSIBLE MOTOR

K9RS90F□-SP





SPECIFICATIONS

90W 30 minutes rating, four poles

Mode	·	Voltage (V)	Frequency (Hz)	Speed Range (rpm)	Permissible Torqu 1200rpm 90rpn (N*m/ (N*m, Kgf*Cm) Kgf*Cr		Start T. (N*m/ Kgf*Cm)	Current (A)	Condenser (µF)
K9R□90FJ-SP		100	50	90 ~ 1400	0,75/7,5	0,25/2,5	0.4/4	3 <u>.</u> 6	35
Kaklaaa a		100	60	90 ~ 1700	0.75/7.5	0.23/2.3	0.4/4	3.4	33
K9R□90FU-SP		110	- 60	90 ~ 1700	0.75/7.5	0.25/2.5	0,38/3,8	3	25
K9K L190F0-SP		115	00	90 /3 1/00	0,75/7,5	0.25/2.5	0,36/3,6	3.2	25
KODELOOEL OD		200	50	90 ~ 1400	0.75 /7.5	0.25/2.5	0.4/4	1.4	0
K9R□90FL-SP	single-phase	200	60	90 ~ 1700	0 <u>.</u> 75/7 <u>.</u> 5	0.28/2.8	0 <u>.</u> 4/4	1 <u>.</u> 5	8
		220	50	90 ~ 1400		0.25/2.5	0.4/4	1 <u>.</u> 2	
VODELOOFO OD		220	60	90 ~ 1700	0.75/7.5	0.28/2.8		1.4	7
K9R□90FC-SP		220	50	90 ~ 1400		0.25/2.5	0.43/4.3	1 <u>.</u> 2	'
		230	60	90 ~ 1700		0.28/2.8		1 <u>.</u> 4	
K9R□90FD-SP		240	50	90 ~ 1400	0.75/7.5	0.25/2.5	0.4/4	1 <u>.</u> 3	6

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

unit = above : N·m / below : kgfcm

Model	Ratio	2	26	_	6	75	0	10	10.5	15	18	20	25	20	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)] 3	3.0)	0	7.5	9	10	12.5	13		20	20	30	30	40	50	00	75	90	100		100	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 : $N \cdot m$ / below : kgfcm

Model		Ratio	2	26	E	6	7.5	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	S	peed(rpm)	3	3.6)	O	7.5	9	10	_	15			20	30	30	40	50		/5	90			100		
		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	an	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
	90	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

 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/200kgfcm.
- * 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	3.6	_	6	7.5		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)	0	1.5	9	10	12.5	13	10	20	20	30	30	40	50	00	/3	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	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

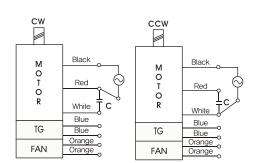
unit = above : $N \cdot m$ / below : kgfcm

Model		Ratio	2	3.6	5	6	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)	0	7.5	Э	10	12.5	13	10	20	25	30	30	40	50	00	/5	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	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	22.14 221.4	26.57 265.7	29.52 295.2
= 50, 501	90	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	24.80 248.0	29.76 297.6	30 300

- * 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 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

DIMENSIONS

К9Р□В



K9P□BF, BUF

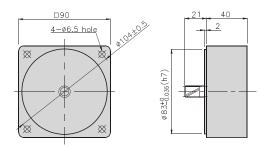


K9P□BU



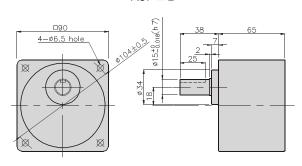
DECIMAL GEARHEAD

K9P10BX



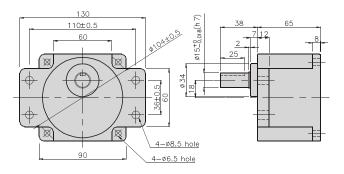
GEARHEAD

K9P□B



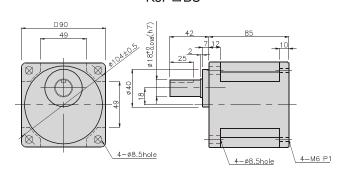
GEARHEAD

K9P□BF



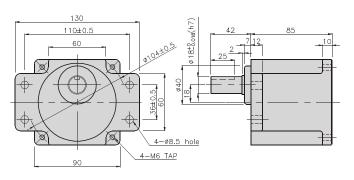
GEARHEAD

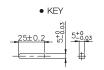
K9P□BU



GEARHEAD

K9P□BUF







GGM GGM GEARED MOTOR

GEARHEADS

DIMENSIONS

K9RP90F□-SP + K9P□B



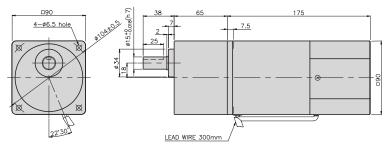




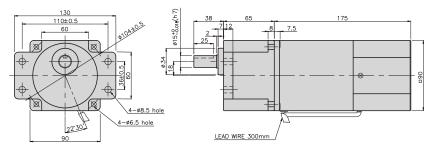




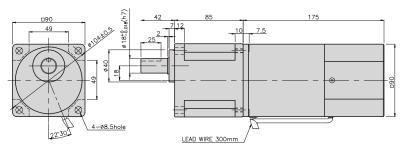
K9RP90F□-SP + K9P□B



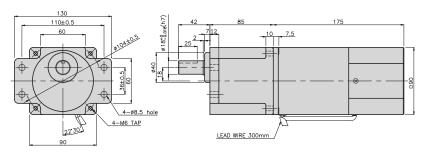
K9RP90F□-SP + K9P□BF



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.	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

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



SPEED CONTROL MOTOR - SP SERIES

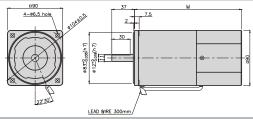


□90mm

INDUCTION MOTOR

K9□S120F□-SP





SPECIFICATIONS

120W 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 <u>.</u> (N*m/ Kgf*Cm)	Current (A)	Condenser (μF)
K9I□120FJ-SP		100	50	90 ~ 1400	0.83/8.3	0.3/3	0.4/4	3.4	35
K91L120F3-SF		100	60	90 ~ 1700	0,00/0,0	0.3/3	0.45/4.5	3,4	33
K9I□120FU-SP		110	- 60	90 ~ 1700	0.83/8.3	0 <u>.</u> 3/3	0.45/4.5	3 <u>.</u> 2	30
K91 120 FU - SP		115	00	90 75 1700	0,00/0,0	0.3/3	0.43/4.5	3.2	30
KOLETTOEL CD		200	50	90 ~ 1400	0.83/8.3	0.28/2.8	0.4/4	1 <u>.</u> 4	8.5
K9I□120FL-SP	single-phase	200	60	90 ~ 1700	0 <u>.</u> 8/8	0 <u>.</u> 3/3	0 <u>.</u> 4/4	1 <u>.</u> 5	8
		220	F0	90 ~ 1400	0.00/0.0	0.00/0.0	0.4/4	10	6
K01512050 0D		230	50	90 ~ 1700	0.83/8.3	0 <u>.</u> 28/2 <u>.</u> 8		1 <u>.</u> 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 <u>.</u> 3/3	0 <u>.</u> 45/4 <u>.</u> 5	1 <u>.</u> 4	7
K9I□120FD-SP		240	50	90 ~ 1400	0.83/8.3	0.28/2.8	0.4/4	1 <u>.</u> 3	6

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

unit = above : N · m / below : kgfcm

Model	Ratio	2	36	_	6	75	0	10	10.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)]	3.0	5	O	7.5	Э	10	12.5		10	20		30		40		00	75	90	100	120	150		200
K9I□120F□-SP	1200	202	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	200	20 200	20 200	20 200	200 200	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 : kgfcm

Model		Ratio	2	3.6	5	6	75	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	S	peed(rpm)	١	3.0	5	0	7.5	٦	10	12.5	13	10	20	20	30	30	40	30	00	13	90	100	120	150	100	200
	l	200V/220V/230V 240V/50Hz	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	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	200 200	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	2.27 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
	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.
- 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 20N · m/200kgfcm.
- * 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

● 단상 100V/115V

unit = above : N · m / below : kgfcm

Model	Ratio	2	26	_	6	7.5	0	10	12 5	15	18	20	25	20	36	10	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	23	30	30	40	50	00	/5	90	100	120	130		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

● 단상 200V/240V

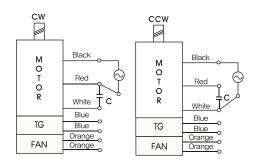
unit = above : $N \cdot m$ / below : kgfcm

Model		Ratio	2	26	5	6	7 <u>.</u> 5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	S	peed(rpm)	٦	3.6	5	O	7.5	Э	10	12.5	13	10	20	20	30	30	40	50	00	/5	90	100	120	150	100	200
	1000	200V/220V/230V 240V/50Hz	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	12.01 120.1	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	30 300	30 300	30 300	30 300	30 300	30 300	300 300	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	19.84 198.4	24.80 248.0	29.76 297.6	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

- * 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 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



DIMENSION TABLE

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

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

DIMENSIONS

К9Р□В



K9P□BF, BUF

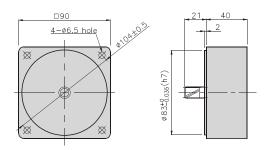


K9P□BU



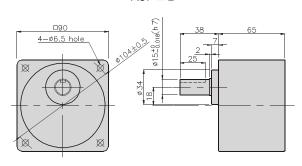
DECIMAL GEARHEAD

K9P10BX



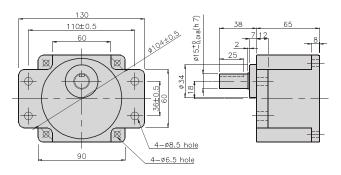
GEARHEAD

К9Р□В



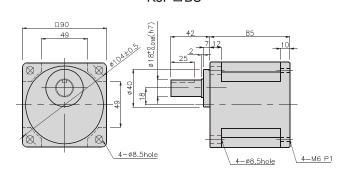
GEARHEAD

K9P□BF



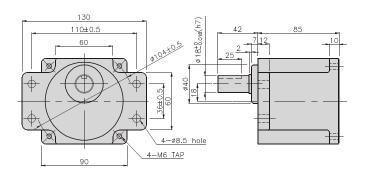
GEARHEAD

K9P□BU



GEARHEAD

K9P□BUF





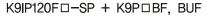


GGM GGM GEARED MOTOR

GEARHEADS

DIMENSIONS

 $K9IP120F\Box -SP + K9P\Box B$



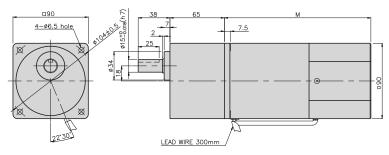




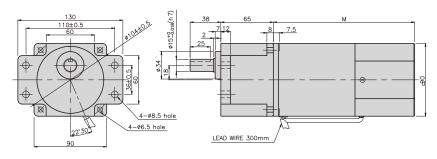




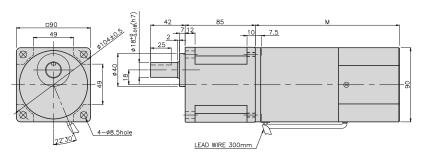
K9IP120F□-SP + K9P□B



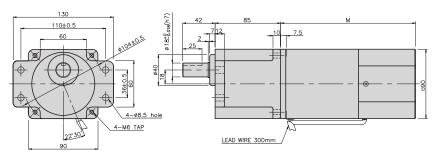
K9IP120F□-SP + K9P□BF



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.		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	
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.		Application Model	Mounting BOLT
01	85	K9P3~200BUF	M6 P1.0 X 20
02	40	K9P10BX	M6 P1.0 X 65

PART	WEIGHT(kg)
K9P3~10BUF	1.50
K9P12.5~20BUF	1,62
K9P25~60BUF	1,76
K9P75~200BUF	1,82



SPEED CONTROL MOTOR - SP SERIES

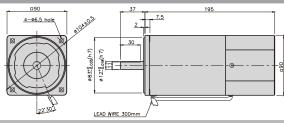
180W

□90mm

INDUCTION MOTOR

K9□S180F□-SP





SPECIFICATIONS

180W continuous rating, four poles

Mode	Model			Speed Range (rpm)	Permissib 1200rpm (N*m/ Kgf*Cm)	le Torque 90rpm (N*m/ Kgf*Cm)	Start T <u>.</u> (N*m/ Kgf*Cm)	Current (A)	Condenser (μF)	
K9I□180FJ-SP		100	50	90 ~ 1400	0.0/0	0.35/3.5	0 <u>.</u> 6/6	5.2	50	
K9ILI 180FJ-SP		100	60	90 ~ 1700	0.9/9	0 <u>.</u> 35/3 <u>.</u> 5	0.65/6.5	5 <u>.</u> 5	50	
K9I□180FU-SP		110	- 60	90 ~ 1700	0.9/9	0.35/3.5	0.52/5.2	4.8	35	
Kain 19040—25	single-phase	115	60	90 70 1700	0.9/9		0 <u>.</u> 55/5 <u>.</u> 5	5	35	
VOLUTAGOEL CD		200	50	90 ~ 1400	0 <u>.</u> 9/9	0 <u>.</u> 3/3	0 <u>.</u> 5/5	2.2	12	
K9I□180FL-SP		200	60	90 ~ 1700	0.9/9	0 <u>.</u> 3/3	0.42/4.2	2 <u>.</u> 2	12	
		220	50	90 ~ 1400	0.0/0	0.2/2	0.45/4.5	2 <u>.</u> 2		
V01510050 0D		220	60	90 ~ 1700	0 <u>.</u> 9/9	0 <u>.</u> 3/3	0.42/4.2	2	8	
K9I□180FC-SP		230	50	90 ~ 1400	1/10	0.22/2.2	0 <u>.</u> 53/5 <u>.</u> 3	2 <u>.</u> 4	8	
		230	60	90 ~ 1700	1/10	0.33/3.3	0 <u>.</u> 5/5	2 <u>.</u> 2		
K9I□180FD-SP		240	50	90 ~ 1400	1/10	0.33/3.3	0 <u>.</u> 6/6	2	8	

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

RATED TORQUE OF GEARHEAD

Single-phase 100V/115V

unit = above : N·m / below : kgfcm

Model	Ratio	0	36	5	9	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)	١٥	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
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	8.20 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 : kgfcm

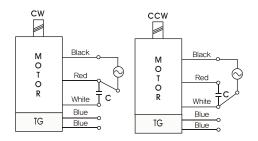
Model		Ratio	2	26	_	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200			
Motor/Gearhead	S	peed(rpm)	٦	3.6	5	0	/.5		10			10	20	20	30	30	40	50	00		90	100	120	150		200			
	1000	200V/220V 50V/60Hz	2.19 21.9	2.62 26.2	3.65 36.5	4.37 43.7	5.47 54.7	6.56 65.6	7.29 72.9	8.20 82.0	9.84 98.4	11.81 118.1	13.12 131.2	14.76 147.6	17.71 177.1	21.26 212.6	23.62 236.2	29.52 295.2	300 300	30 300	30 300	300 300	30 300	30 300	30 300	30 300			
K9I□180F□-SP	1200	1200	1200	1200	230V/50Hz/60Hz 240V/50Hz	2.43 24.3	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	23,62 236	26,24 262	30 300	30 300	30 300	30 300	300 300	30 300	30 300	30 300	30 300
K9P□BU, BUF	00	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	0,96 9,6	134 13.4	1,60 16,0	200	2.41 24.1	2.41 24.1	3.34 33.4	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 \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 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

DIMENSIONS

K9P□BU

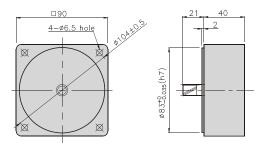


K9P□BUF



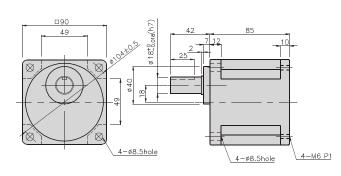
DECIMAL GEARHEAD

K9P10BX



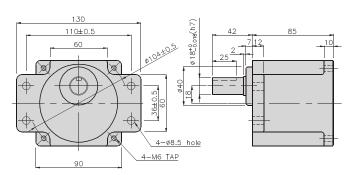
GEARHEAD

K9P□BU



GEARHEAD

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

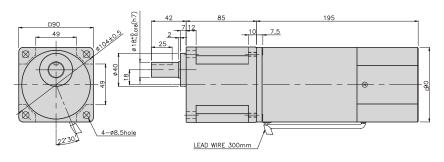
DIMENSION TABLE

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

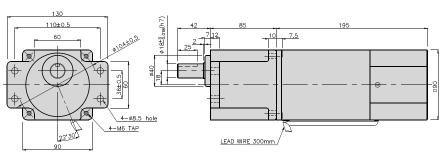
WEIGHT

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





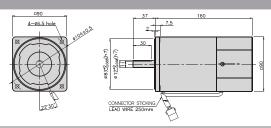
SPEED CONTROL MOTOR - SU SERIES



□90mm

K9□S60F□-SU





SPECIFICATIONS

60W continuous 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)
K9I□60FJ-SU		100	50	90 ~ 1400	0,45/4,5	0.15/1.5	0.24/2.4	2 <u>.</u> 3	20
K91000F3-30		100	60	90 ~ 1700	0,43/4,3	0,13/1,3	0.21/2.1	2,3	20
K9I□60FU-SU		110	- 60	90 ~ 1700	0.45/4.5	0.15/1.5	0.285/2.85	2	16
K9I 100F0-30		115	00	90 / 5 1/00	0,43/4,3	0,13/1,3	0.283/2.83	2 16 2,1 16 4 1,2 5	10
KOLEGOEL OLI		200	50	90 ~ 1400	0.49/4.9	0.14/1.4	0.24/2.4	10	E
K9I□60FL-SU	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 <u>.</u> 91	
KOLEGOEO CH		220	60	90 ~ 1700	0.45/4.5	0.16/1.6	0.21/2.1	0 <u>.</u> 9	4
K9I□60FC-SU		220	50	90 ~ 1400	0.49/4.9	0.14/1.4	0.24/2.4	4	4
		230	60	90 ~ 1700	0.45/4.5	0.16/1.6	0.24/2.4	1	
K9I□60FD-SU		240	50	90 ~ 1400	0.49/4.9	0.14/1.4	0.28/2.8	1,1	4

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

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

Model	Ratio	2	26	5	6	75	0	10	12 5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Speed(rpm)]	3.0)	0	1.5	9	10	12.5	13	10	20		30	30	40	50	00	/5	90	100	120	150		200
K9I□60F□-SU	1200	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	0.36	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	5.90 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

• Single-phase 200V/240V

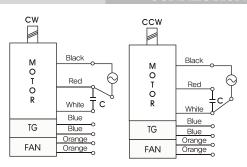
unit = above : $N \cdot m$ / below : kgfcm

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	-	7.5	Э	10	_			20	25	30	30	40	50		/3		100		150		200
	1200	200V/220V/230V 240V/50Hz	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	5.36 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□-SU	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 14.6	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/200kgfcm.
- RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is $2\sim20\%$ 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

K9P□B

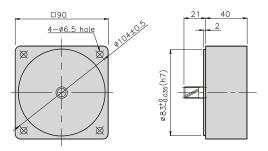


K9P□BF



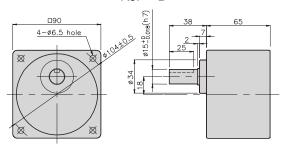
DECIMAL GEARHEAD

K9P10BX



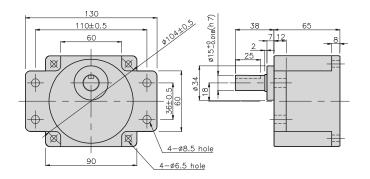
GEARHEAD

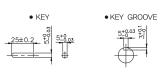
K9P□B



GEARHEAD

K9P□BF





GEARHEADS

DIMENSIONS

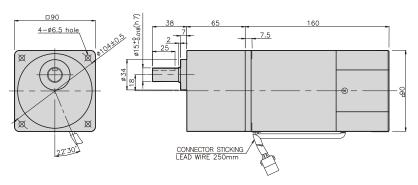
K9IP60F□-SU + K9P□B



K9IP60F□-SU + K9P□BF



$K9IP60F\Box$ -SU + $K9P\Box$ B



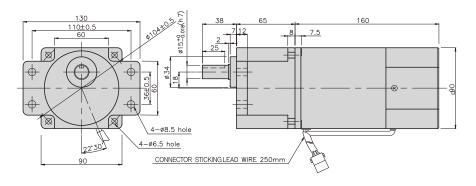
DIMENSION TABLE

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 <u>.</u> 06
DECIM/	AL GEAR HEAD	0.62
	K9P3~10B	1,22
GEAR	K9P12,5~20B	1,32
HEAD	K9P25~60B	1,42
	K9P75~200B	1,45

K9IP60F□-SU + 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 <u>.</u> 58
DECIMA	AL GEAR HEAD	0.62
	K9P3~10BF	1,22
GEAR	K9P12.5~20BF	1,30
HEAD	K9P25~60BF	1,42
	K9P75~200BF	1,44



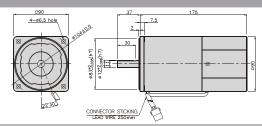
SPEED CONTROL MOTOR - SU SERIES



□90mm

K9□S90F□-SU





SPECIFICATIONS

90W continuous rating, four poles

Mode	1	Voltage	Frequency	Speed Range	Permissib 1200rpm	le Torque 90rpm	Start T <u>.</u> (N∗m/	Current	Condenser
Mode		(∨)	(Hz)	(rpm)	(N*m/ Kgf*Cm)	(N*m/ Kgf*Cm)	Kgf*Cm)	(A)	(μF)
K9I□90FJ-SU		100	50	90 ~ 1400	0 <u>.</u> 7/7	0 <u>.</u> 23/2 <u>.</u> 3	0.36/3.6	3.2	30
Kai 🗆 90-3-30		100	60	90 ~ 1700	0,1/1	0,23/2,3	0,30/3,0	J <u>.</u> Z	30
K9I□90FU-SU		110	- 60	90 ~ 1700	0.7/7	0 <u>.</u> 23/2 <u>.</u> 3	0 <u>.</u> 35/3 <u>.</u> 5	26	20
K91□90F0=30		115	00	90 / 3 1/00	0,1/1	0,23/2,3	0,33/3,3	2,0	20
K9I□90FL-SU		200	50	90 ~ 1400	0 <u>.</u> 73/7 <u>.</u> 3	0.23/2.3	0.36/3.6	(A) (µF 3,2 30 2,6 20 1,3 7 1,1 1,2	7
Kaillaort-30	single-phase	200	60	90 ~ 1700	0.73/7.3	0.26/2.6	0,30/3,0	1,3	,
		220	50	90 ~ 1400		0.23/2.3	0.36/3.6	1,1	
K9I□90FC-SU		220	60	90 ~ 1700	0 <u>.</u> 73/7 <u>.</u> 3	0.26/2.6	0,30/3,0		6
Kallaule 30		230	50	90 ~ 1400	0.73/7.3	0.23/2.3	0 <u>.</u> 4/4	1.2	0
		200	60	90 ~ 1700		0.26/2.6	0,4/4		
K9I□90FD-SU		240	50	90 ~ 1400	0.73/7.3	0.23/2.3	0.36/3.6	1 <u>.</u> 2	5

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

unit = above : N·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	Speed(rpm)] 3	3.0)	0	1.5	9	10	12.5	13	10	20	23	30	30	40	50	00	/3	90	100	120	150	100	200
K9I□90F□-SU	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	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	20 200	20 200	20 200

• Single-phase 200V/240V

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

Model		Ratio	2	36	E		75		10	12.5	15	18	20	25	20	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Spe	eed(rpm)	3	3.0)	0	/.5	9	10	12.5	15	10	20	25	30	30	40	50	00	/5	90	100	120	150	100	200
		1200	1 <i>77</i> 17 <i>7</i>	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□ - SU 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	3.77 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
	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

 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/200kgfcm.
- * 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	3.6	_	9	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	5	О	7.5	9	10	12.5	15	10	20	25	30	30	40	50	00	75	90	100	120	150	100	200
K9I□90F□-SU	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	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·m / below : kgfcm

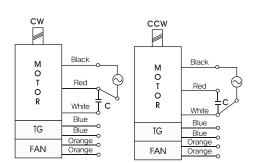
Model		Ratio	2	3.6	_	6	7.5	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	Sp	eed(rpm)	١٥	3.0	5	0	7.5	9	10	12.5	ıo	10	20	25	30	30	40	50	60	75	90	100	120	150	100	200
		1200	1 <i>77</i> 17 <i>7</i>	2.13 21.3	2.96 29.6	3.55 35.5	4.43 44.3	5,32 53,2	5.91 59.1	6.65 66.5	7.98 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□—SU K9P□BU, BUF	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	3.77 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
,	50	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	23.03 230.3	27.63 276.3	30 300

- * 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.
- * 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, BUF

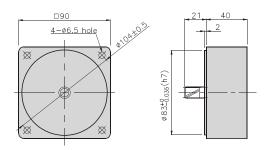


K9P□BU



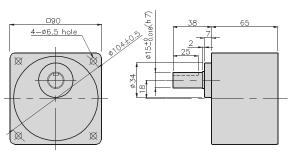
DECIMAL GEARHEAD

K9P10BX



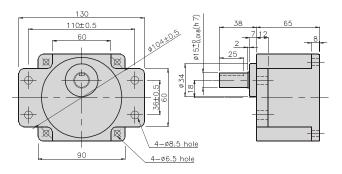
GEARHEAD

K9P□B



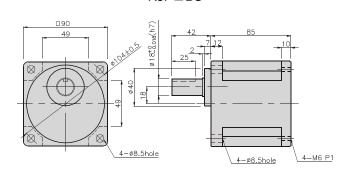
GEARHEAD

K9P□BF



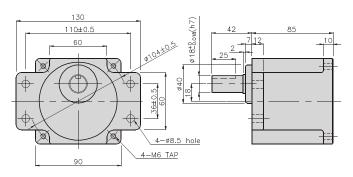
GEARHEAD

K9P□BU



GEARHEAD

K9P□BUF



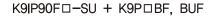




GEARHEADS

DIMENSIONS

K9IP90F□-SU + K9P□B



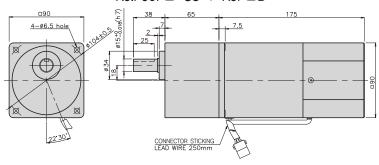
K9IP90F□-SU + K9P□BU



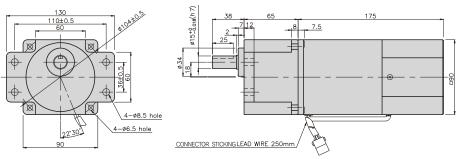




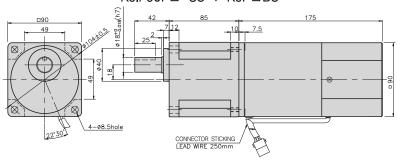
K9IP90F□-SU + K9P□B



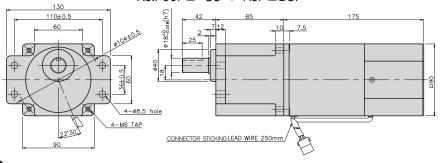
K9IP90F□-SU + K9P□BF



K9IP90F□-SU + K9P□BU



K9lP90F□-SU + 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.		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

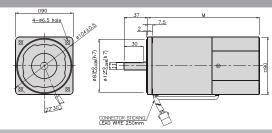


120W

□90mm

K9□S120F□-SU





SPECIFICATIONS

120W 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 <u>.</u> (N*m/ Kgf*Cm)	Current (A)	Condenser (μF)
K9I□120FJ-SU		100	50	90 ~ 1400	0,83/8,3	0 <u>.</u> 3/3	0 <u>.</u> 4/4	3,4	35
N912 1201 7 30		100	60	90 ~ 1700	0,00/0,0	0.3/3	0.45/4.5	5.4	33
K9I□120FU-SU		110	60	90 ~ 1700	0.83/8.3	0 <u>.</u> 3/3	0 <u>.</u> 45/4 <u>.</u> 5	3 <u>.</u> 2	30
K9ILI 120F0-30		115	00	90 75 1700	0,00/0,0	0 <u>.</u> 3/3	0,40/4,5	3.2	30
KOLEHOOEL CIT		200	50	90 ~ 1400	0.83/8.3	0 <u>.</u> 28/2 <u>.</u> 8	0.4/4	1 <u>.</u> 4	8.5
K9I□120FL-SU	single-phase	200	60	90 ~ 1700	0 <u>.</u> 8/8	0 <u>.</u> 3/3	0 <u>.</u> 4/4	1 <u>.</u> 5	8
		220	- 50	90 ~ 1400	0.00/0.0	0.00/0.0	0.4/4	10	6
V01512050 011		230	50	90 ~ 1700	0.83/8.3	0 <u>.</u> 28/2 <u>.</u> 8	0 <u>.</u> 4/4	1 <u>.</u> 2	6
K9I□120FC-SU		220	00	90 ~ 1400	0.0/0	0.0/0	0.45/4.5	1.4	7
		230	60	90 ~ 1700	0 <u>.</u> 8/8	0 <u>.</u> 3/3	0 <u>.</u> 45/4 <u>.</u> 5	1 <u>.</u> 4	/
K9I□120FD-SU		240	50	90 ~ 1400	0.83/8.3	0.28/2.8	0.4/4	1 <u>.</u> 3	6

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

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

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
Motor/Gearhead	Speed(rpm)] 3	3.0		0	7.5	9	10	12.0	13		20		30	30			00	13	90	100	120	150	100	200
K9I□120F□-SU	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	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 : kgfcm

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	3	0	7.5	9	10	12.5	3 13	10	20	20	30	30	40	50	00	75	90	100	120	150	100	
	1200	200V/220V/230V 240V/50HZ	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	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200	20 200
K9I□120F□-SU	1200	200V/220V 230V/60HZ	1.94 19.4	233 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	90	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	19.84 198.4	20 200	20 200	20 200
	90	200V/220V 230V/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	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 $\hfill\Box$ 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/200kgfcm.
- * 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	3.6)	0	1.5	9	10	12.5	15	10	20	25	30	30	40		00	/3	90	100		100	100	200
K9I□120F□-SU	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

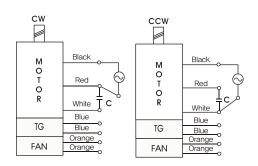
Model		Ratio	2	3.6	-	6	7 <u>.</u> 5	0	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	S	peed(rpm)	٥	3.0	5	O	7.5	Э	10	12.3	13	10	20	20	30	30	40	30	00	/3	90	100	120	150	100	200
	1200	200V/220V/230V 240V/50HZ	2.02 20.2	2.42 24.2	3.36 33.6	4.03 40.3	5.04 50.4	6.05 60.5	6.72 67.2	7.56 75.6	9.08 90.8	10.89 108.9	12 10 121 0	13.61 136.1	16.34 163.4	196.0	21.78 217.8	272.3	30 300	30 300						
K9I□120F□-SU	l	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	30 300	30 300	30 300	30 300	300 300	30 300	30 300	30 300
K9P□BU, BUF	90	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	19.84 198.4	24.80 248.0	29.76 297.6	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

- * 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 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



DIMENSION TABLE

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

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

GEARHEADS

DIMENSIONS

К9Р□В



K9P□BF, BUF

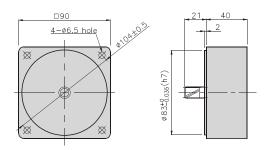


K9P□BU



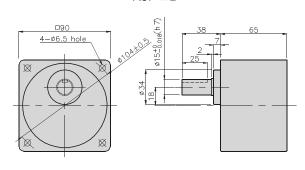
DECIMAL GEARHEAD

K9P10BX



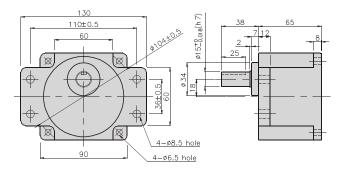
GEARHEAD

К9Р□В



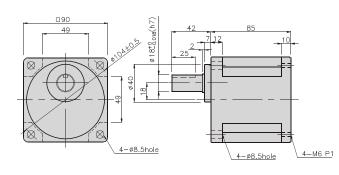
GEARHEAD

K9P□BF



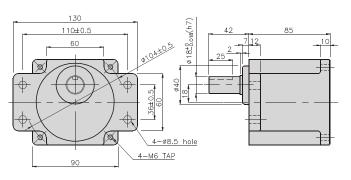
GEARHEAD

K9P□BU



GEARHEAD

K9P□BUF









GEARHEADS

DIMENSIONS

K9IP120F□-SU + K9P□B



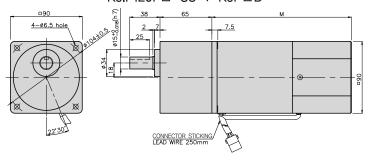
K9IP120F□-SU + K9P□BU



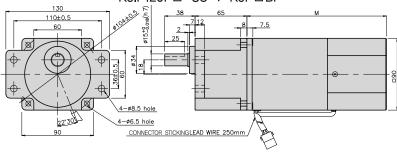




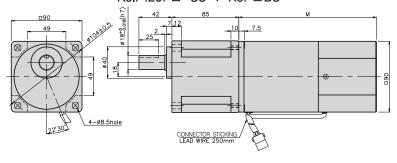
K9IP120F□-SU + K9P□B



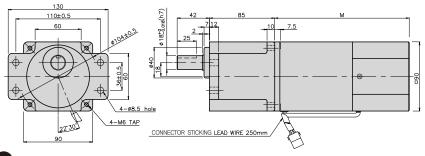
K9IP120F□-SU + K9P□BF



K9IP120F□-SU + K9P□BU



K9IP120F□-SU + K9P□BUF



WEIGHT

PART	WEIGHT(kg)				
MOTOR	3.54				
DECIMAL GEAR HEAD	0.62				

DIMENSION TABLE

PART No.	М	Application Model
01	155	50Hz
02	135	60Hz

DIMENSION TABLE

PART No.		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

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

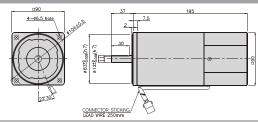
SPEED CONTROL MOTOR - SU SERIES



□90mm

K9□180F□-SU





SPECIFICATIONS

180W continuous rating, four poles

Mode	I	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-SU		100	50	90 ~ 1400	0 <u>.</u> 9/9	0.35/3.5	0 <u>.</u> 6/6	5.2	50
K9I 🗆 180FJ—50		100	60	90 ~ 1700	0 <u>.</u> 9/9	0,35/3,5	0.65/6.5	5.5	50
K9I□180FU-SU		110	- 60	90 ~ 1700	0 <u>.</u> 9/9	0,35/3,5	0.52/5.2	4.8	35
K9I□ 160F0=30		115	00	90 / 3 1/00	0.9/9	0,33/3,3	0.55/5.5	5	33
K9I□180FL-SU		200	50	90 ~ 1400	0 <u>.</u> 9/9	0 <u>.</u> 3/3	0 <u>.</u> 5/5	2.2	12
Kal I I I I I I I I I I I I I I I I I I I	single-phase	200	60	90 ~ 1700	0.9/9	0 <u>.</u> 3/3	0.42/4.2	۷,۷	12
		220	50	90 ~ 1400	0 <u>.</u> 9/9	0 <u>.</u> 3/3	0.45/4.5	2,2	
K9I□180FC-SU		220	60	90 ~ 1700	0.9/9	0.3/3	0.42/4.2	2	8
K9I		220	50	90 ~ 1400	1/10	0.33/3.3	0.53/5.3	2.4	8
		230	60	90 ~ 1700	1/10	U <u>.</u> 33/3 <u>.</u> 3	0 <u>.</u> 5/5	2.2	
K9I□180FD-SU		240	50	90 ~ 1400	1/10	0.33/3.3	0 <u>.</u> 6/6	2	8

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

RATED TORQUE OF GEARHEAD

• Single-phase 100V/115V

unit = above : N · 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	3.6)	0	7.5	9	10	12.5	10	10	20	25	30				00	/5	90	100	120	150	100	200
K9I□180F□-SU	1200	2.19 21.9	2.62 26.2	3,65 36,5	43.7 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	21.26 212.6	23,62 236,2	29.52 295.2	30 300	30 300	30 300	30 300	30 300	30 300	30 300	30 300
K9P□BU, BUF	90	0,85 8,5	1.02	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 : kgfcm

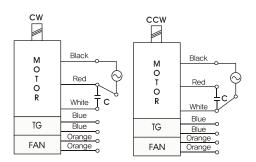
Model		Ratio	2	3 <u>.</u> 6	5	6	75	a	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor/Gearhead	S	peed(rpm)	٥	3.0	5	O	7.5	Э	10	12.5	10	10				30	40	50	00	75	90	100	120	150	100	200
	1200	200V/220V 50Hz/60Hz	2.19 21.9	2.62 26.2	3.65 36.5	43.7 43.7	5.47 54.7	6.56 65.6	7.29 72.9	8.20 82.0	9.84 98.4	11.81 118.1		14.76 147.6			23.62 236.2		30 300	30 300	30 300	30 300	30 300	30 300	30 300	30 300
K9I□180F□-SU	1200	230V/50Hz/60Hz 240/50Hz	24.3	2.92 29.2	4.05 40.5	4.86 48.6	6.08 60.8	7.29 72.9	8,10 81,0	3,19 31,9	10.94 109.4	13.12 131.2		16.40 164.0	19,68 197	236			30 300	30 300	30 300	30 300	30 300	30 300	300 300	30 300
K9P□BU, BUF	00	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	328 328	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	300 300	30 300
	90	230V/50Hz/60Hz 240/50Hz	0,80 8,0	0.96 9.6	1.34 13.4	1.60 16.0	2.00 20.0	2.41 24.1	2.41 24.1	3.34 33.4	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	12.99 129.2	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 \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 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

DIMENSIONS

K9P□BU

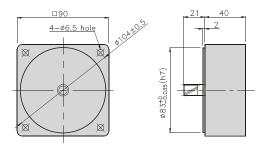


K9P□BUF



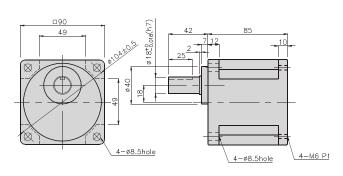
DECIMAL GEARHEAD

K9P10BX



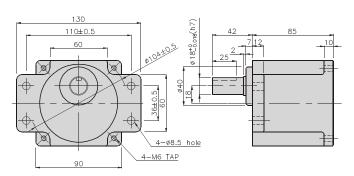
GEARHEAD

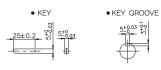
K9P□BU



GEARHEAD

K9P□BUF







DIMENSIONS

K9lP180F□-SU + K9P□BU



K9IP180F□-SU + 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

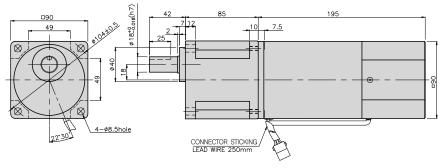
DIMENSION TABLE

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

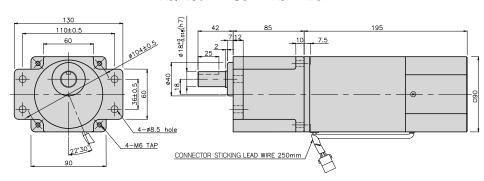
WEIGHT

	WEIGHT(kg)
K9P3~10BUF	1,50
K9P12.5~20BUF	1,62
K9P25~60BUF	1,76
K9P75~200BUF	1.82

K9IP180F□-SU + K9P□BU



K9IP180F□-SU + K9P□BUF



INDUCTION MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS60F□



K9IS60F□-T, T5



SPECIFICATIONS

60W continuous rating, four poles

covv continuous rating,					Claud T	Data d T		
Madala		Voltage	Frequency	Current	Start T.	Rated T.	Speed	Condenser
Model		(V)	(Hz)	(A)	(N*m/ Kgf*Cm)	(N*m <u>.</u> Kgf*Cm)	(rpm)	(μF)
		(- /			Kgi*Ciii)			., .,
K9I□60FJ(-T, -T5)		100	50	1.36	0.38/3.8	0.47/4.7	1250	20
. , , ,			60	1.37		0.38/3.8	1550	-
K9I□60FU(-T, -T5)		110	60	1.21	0.37/3.7	0.38/3.8	1550	16
10120010(1, 10)		115		1.27	0.0170.1			10
K9I□60FL(-T, -T5)		200	50	0,67	0.4/4	0.47/4.7	1250	5
101E001E(1, 19)	single-phase	200	60	0.69	0,4/4	0.38/3.8	1550	3
		220	50	0 <u>.</u> 58	0.38/3.8	0.47/4.7	1250	
K9I□60FC(-T, -T5)		220	60	0.57	0.30/3.0	0.38/3.8	1550	4
K9I□00FC(-1, -15)		230	50	0.63	0.4/4	0.47/4.7	1250	4
		230	60	0.63	0.4/4	0.38/3.8	1550	
K9I□60FD(-T, -T5)		240	50	0,69	0.44/4.4	0.47/4.7	1250	4
K9I□60FT(-T, -T5)		200	50	0.49	1,35/13,5	0.45/4.5	1300	_
K9I L 60F I (-1, -15)		200	60	0.45	1.05/10.5	0.38/3.8	1550	
		220	50	0,55	1,6/16	0.435/4.35	1350	
K9I□60FH(-T, -T5)		220	60	0.47	1,2/12	0.37/3.7	1600	_
K9ILI60FH(-1, -15)		220	50	0.6	1,65/16,5	0.435/4.35	1350	
		230	60	0,52	1,3/13	0.37/3.7	1600	
K9I□60FM(-T, -T5)	three-phase	200	50	0,34	1,55/15,5	0.435/4.35	1350	_
K9100FM(-1, -15)	iriiee—priase	380	60	0,25	1,19/11,9	0.37/3.7	1600	
K9I□60FV(-T, -T5)		400	50	0,37	1,85/18,5	0.435/4.35	1350	_
K9I□60FV(-1, -15)		400	60	0,28	1,42/14,2	0.37/3.7	1600	
K9I□60FQ(-T, -T5)		415	50	0.26	1.45/14.5	0.45/4.5	1300	_
Kali 60FQ(-1, -15)		415	60	0 <u>.</u> 21	1.15/11.5	0.37/3.7	1600	
K9I□60FZ(-T, -T5)		440	50	0,28	1,6/16	0.45/4.5	1300	_
N91L160FZ(-1, -15)		440	60	0,23	1,25/12,5	0.37/3.7	1600	

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

RATED TORQUE OF GEARHEAD

● 50Hz

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	70	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5
Motor/																									
Gearhead	Ratio	3	3,6	5	6	7.5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□60F□	I(-T, -T5)	1,06	1,27	1,76	2,11	2,64	3,17	3,52	3,96	4,76	5,71	6,34	7,14	8,56	10,27	11,42	14,27	17,12	20	20	20	20	20	20	20
K9P□	B, BF	10,6	12.7	17.6	21,1	26,4	31,7	35,2	39.6	47.6	57.1	63,4	71.4	85,6	102,7	114.2	142.7	171,2	200	200	200	200	200	200	200

ullet unit = above : N · m / below : kg/cm

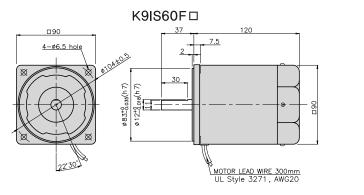
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	a
Motor/	opeca(ipili)	000	000	000	000	240	200	100	1-7	120	100	00	12	_ 00	_ 00	70		00	2-4		10	10	12	10	
Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□60F□	I(-T, -T5)	0,90	1,08	1,50	1,80	2,25	2,70	3,00	3,37	4,05	4,86	5,39	6,07	7,28	8,74	9,71	12,14	14,57	16,39	20	20	20	20	20	20
K9P□	B, BF	9.0	10,8	15.0	18.0	22 <u>.</u> 5	27.0	30,0	33,7	40,5	48,6	53,9	60.7	72 <u>.</u> 8	87.4	97.1	121,4	145.7	163,9	200	200	200	200	200	200

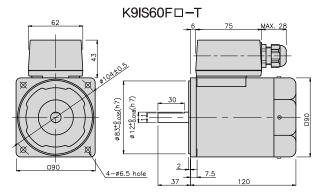
- * Gearhead and decimal gearhead are sold separately.
- * The code in

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

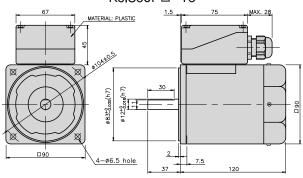


DIMENSIONS



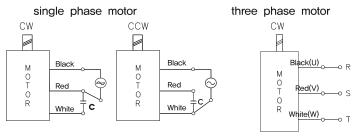


K9IS60F□-T5



CONNECTION DIAGRAMS

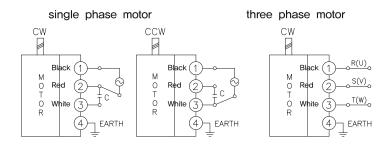
K9IS60F□

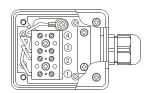


connecting two leadwires of U,V,W in turns

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





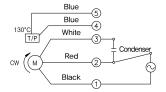


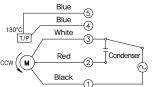
The direction of motor rotation is as viewed from the front shaft end of the motor

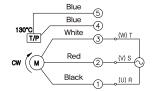
K9IS60F□-T5

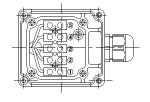
single phase motor

three phase motor









connecting two leadwires of U,V,W in turns

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

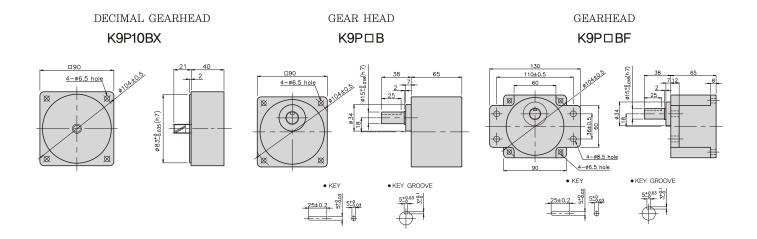




DIMENSIONS







DIMENSIONS

K9IP60F□ + K9P□B



K9IP60F□ + K9P□BF



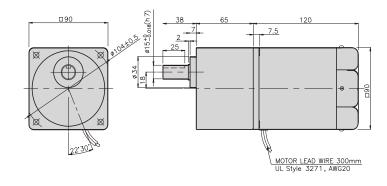
DIMENSION TABLE

PART No		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		2,50
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

K9IP60F□ + K9P□B



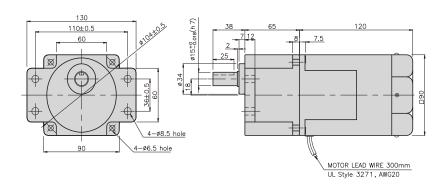
DIMENSION TABLE

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		3.00
DECIMA	AL GEAR HEAD	0,62
	K9P3∼10BF	1,22
GEAR	K9P12.5~20BF	1,30
HEAD	K9P25~60BF	1,42
	K9P75~200BF	1.44

K9IP60F□ + K9P□BF





DIMENSIONS

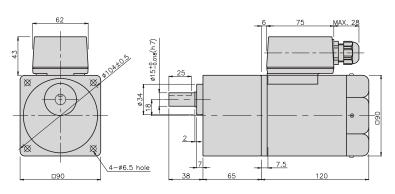
K9IP60F□-T + K9P□B



 $K9IP60F\Box -T + K9P\Box BF$



K9IP60F□-T + K9P□B



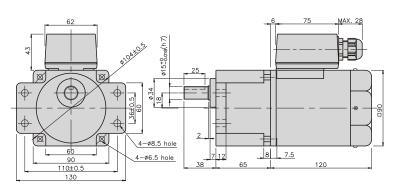
DIMENSION TABLE

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

WEIGHT

	PART	WEIGHT(kg)
	MOTOR	2,68
DECIMA	AL GEAR HEAD	0 <u>.</u> 62
	K9P3∼10B	1,22
GEAR	K9P12.5~20B	1,32
HEAD	K9P25∼60B	1,42
	K9P75~200B	1,45

$K9IP60F\Box -T + K9P\Box BF$



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

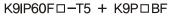
WEIGHT

	WEIGHT(kg)	
	2,68	
DECIM	IAL GEAR HEAD	0.62
	K9P3∼10BF	1,22
GEAR	K9P12.5~20BF	1,32
HEAD	K9P25∼60BF	1,42
	K9P75~200BF	1,45

DIMENSIONS

K9IP60F□-T5 + K9P□B







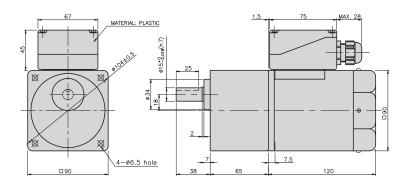
DIMENSION TABLE

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	2 <u>.</u> 68
DECIM/	AL GEAR HEAD	0,62
	K9P3∼10B	1,22
GEAR	K9P12.5~20B	1,32
HEAD	K9P25∼60B	1,42
	K9P75~200B	1.45

K9IP60F□-T5 + K9P□B



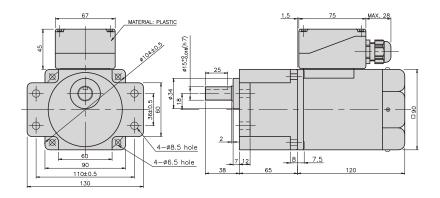
DIMENSION TABLE

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	2 <u>.</u> 68
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

K9IP60F□-T5 + K9P□BF



INDUCTION MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS90F□



K9IS90F□-T, T5



SPECIFICATIONS

90W continuous rating four poles

30 W Cornilladas failing, lour pois	30							
Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T <u>.</u> (N*m/ Kgf*Cm)	Rated T. (N*m/ Kgf*Cm)	Speed (rpm)	Condenser (µF)
K9I□90FJ(-T, -T5)		100	50 60	2.07 1.97	0.55/5.5	0.675/6.75 0.55/5.5	1300 1600	30
K9I□90FU(-T, -T5)		110 115	- 60	1,47 1,52	0.44/4.4 0.485/4.85	0.55/5.5	1600	20
K9I□90FL(-T, -T5)	single –phase	200	50 60	0 <u>.</u> 75 0 <u>.</u> 97	0 <u>.</u> 5/5	0 675/6 75 0 57/5 7	1300 1550	7
1/01=00E0/ T TE)	pridoc	220	50 60	0 <u>.</u> 8 0 <u>.</u> 9	0.45/4.5 0.5/5	0 675/6 75 0 57/5 7	1300 1550	0
K9I□90FC(-T, -T5)		230	50 60	0 <u>.</u> 87 0 <u>.</u> 93	0.55/5.5	0.675/6.75 0.57/5.7	1300 1550	6
K9I□90FD(-T, -T5)		240	50	0.85	0.5/5	0.675/6.75	1300	5
K9I□90FT(-T, -T5)		200	50 60	0,79 0,72	2 25/22 5 1 75/17 5	0.65/6.5 0.55/5.5	1350 1600	_
1/01E 00E1/(T TE)		220	50 60	0,72 0,63	2 35/23 5 1 8/18	0.65/6.5 0.55/5.5	1350 1600	
K9I□90FH(-T, -T5)		230	60 60	0.86 0.66	2 45/24 5 1 95/19 5	0.65/6.5 0.55/5.5	1350 1600	_
K9I□90FM(-T, -T5)	three –phase	380	50 60	0.43 0.37	2 35/23 5 1 7/17	0.65/6.5 0.55/5.5	1350 1600	_
K9I□90FV(-T, -T5)		400	50 60	0.52 0.45	2 65/26 5 2 1/21	0.65/6.5 0.55/5.5	1350 1600	_
K9I□90FQ(-T, -T5)		415	50 60	0.39 0.31	2/20 1.5/15	0.68/6.8 0.55/5.5	1300 1600	_
K9I□90FZ(-T, -T5)		440	50	0.45	2 1/21 1 7/17	0.68/6.8 0.55/5.5	1300	_

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

RATED TORQUE OF GEARHEAD

• 50Hz

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

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12,5	10	8.3	75
Motor/	opecu((pin)	300	410	300	200	200	100	100	120	100	00	15	00	50	41	31	30	20	20	10	10	12,0	10	0,5	7.5
Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□90F□	□(-T, -T5)	1,58	1,90	2,63	3,16	3,95	4,74	5,27	5,92	7,11	8,53	9,48	10,66	12,79	15,35	17,06	20	20	20	20	20	20	20	20	20
K9P□	B, BF	15.8	19,0	26,3	31,6	39,5	47.4	52,7	59,2	71,1	85,3	94.8	106,6	127.9	153,5	170.6	200	200	200	200	200	200	200	200	200

• 60Hz

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

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/	-1																								_
Gearhead	Ratio	3	3,6	5	6	7.5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□90F□		1,34	1,60	2,23	2,67	3,34	4.01	4,46	5.01	6,01	7,22	8,02	9,02	10,83	12,99	14,43	18,04	20	20	20	20	20	20	20	20
K9P□	B, BF	13.4	16,0	22,3	26,7	33,4	40,1	44.6	50,1	60,1	72,2	80,2	90,2	108,3	129,9	144.3	180,4	200	200	200	200	200	200	200	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 $20N \cdot m/200 kg fcm$.
- $_{*}$ 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

• 50Hz

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

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7,5
Motor/		-				7.5																			
Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□90F	⊐(–T, T5)	1,58	190	2,63	3,16	3,95	4,74	5,27	5,92	7,11	8,53	9,48	10,66	12,79	15,35	17,06	21,32	25,59	30	30	30	30	30	30	30
К9Р□В	U, BUF	15,8	19,0	26,3	31,6	39,5	47.4	52,7	59,2	71,1	85,3	94.8	106,6	127,9	153,5	170,6	213,2	255,9	300	300	300	300	300	300	300

• 60Hz

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

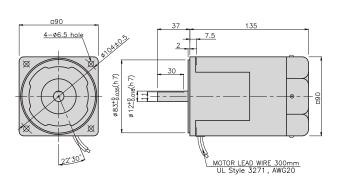
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/	-1(1- /	2000		-	000		200																		200
Gearhead	Ratio	3	3,6	0	ь	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□90F	⊐(–T, T5)	1,34	1,60	2,23	2,67	3,34	4.01	4,46	5,01	6,01	7,22	8,02	9,02	10,83	12,99	14,43	18,04	21,65	24,36	29,23	30	30	30	30	30
К9Р□В	U, BUF	13,4	16,0	22,3	26,7	33,4	40,1	44.6	50,1	60,1	72,2	80,2	90,2	108,3	129,9	144,3	180,4	216.5	243,6	292,3	300	300	300	300	300

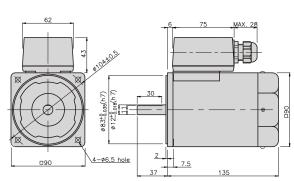
- * Gearhead and decimal gearhead are sold separately.
- * The code in \square of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * If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

DIMENSIONS

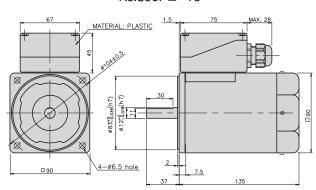
K9IS90F□

K9IS90F□-T





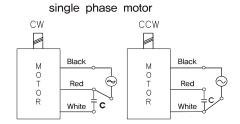
K9IS90F□-T5



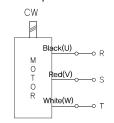
GEARHEADS

CONNECTION DIAGRAMS

K9IS90F□



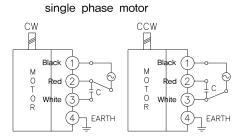
three phase motor



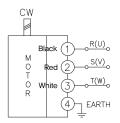
connecting two leadwires of U,V,W in turns

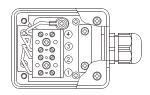
The direction of motor rotation is as viewed from the front shaft end of the motor

K9IS90F□-T



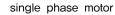
three phase motor

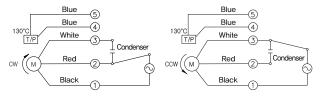




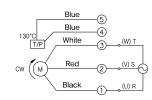
The direction of motor rotation is as viewed from the front shaft end of the motor

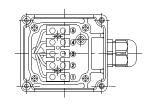
K9IS90F□-T5





three phase motor





connecting two leadwires of U,V,W in turns

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

GEARHEADS

DIMENSIONS

K9P□B



K9P□BF, BUF

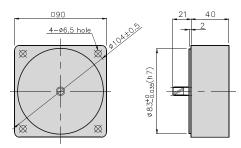


K9P□BU



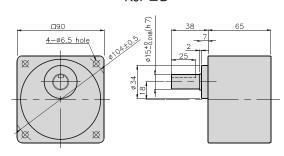
DECIMAL GEARHEAD

K9P10BX



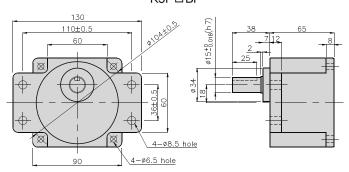
GEAR HEAD





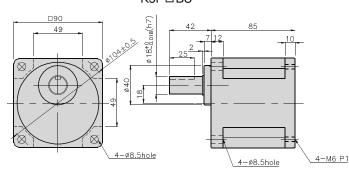
GEARHEAD

K9P□BF



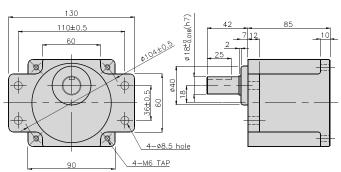
GEARHEAD

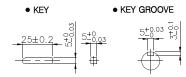
K9P□BU



GEARHEAD

K9P□BUF







GEARHEADS

DIMENSIONS

K9IP90F□ + K9P□B



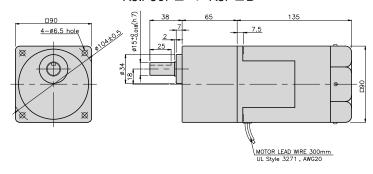
K9IP90F□ + K9P□BF, BUF



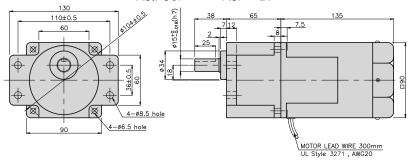
K9IP90F□ + K9P□BU

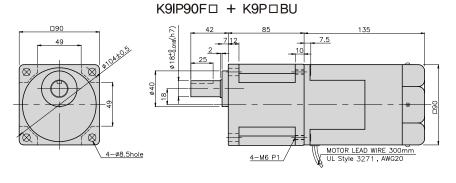


K9IP90F□ + K9P□B

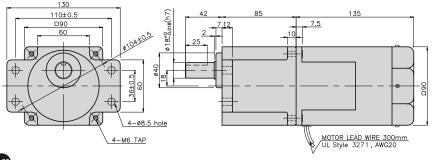


K9IP90F□ + K9P□BF





K9IP90F□ + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3.00
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	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



GEARHEADS

DIMENSIONS

K9IP90F□-T + K9P□B



K9IP90F□-T + K9P□BF, BUF



K9IP90F□-T + K9P□BU



WEIGHT

PART	WEIGHT(kg)
MOTOR	3,18
DECIMAL GEAR HEAD	0.62

DIMENSION TABLE

PART No		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

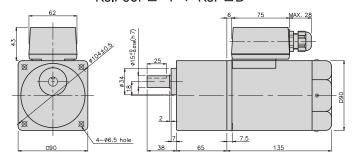
DIMENSION TABLE

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

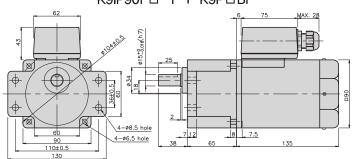
WEIGHT

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

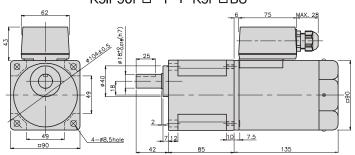
K9|P90F□-T + K9P□B

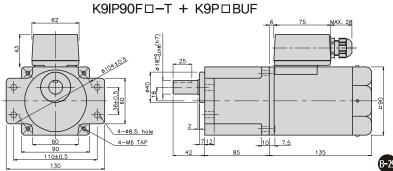


$K9IP90F\Box -T + K9P\Box BF$



K9IP90F□-T + K9P□BU





GEARHEADS

DIMENSIONS

K9IP90F□-T5 + K9P□B

K9IP90F□-T5 + K9P□BF, BUF

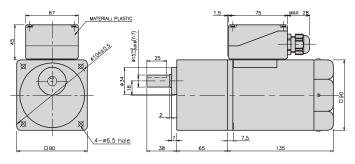
K9IP90F□-T5 + K9P□BU



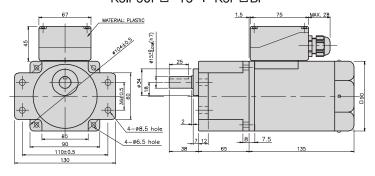




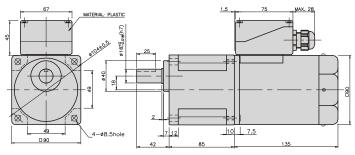
K9IP90F□-T5 + K9P□B



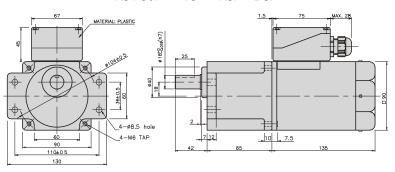
K9IP90F□-T5 + K9P□BF



K9IP90F□-T5 + K9P□BU



K9IP90F□-T5 + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3.18
DECIMAL GEAR HEAD	0 <u>.</u> 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

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

INDUCTION MOTOR

120W

□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS120F□



K9IS120F□-T, T5



SPECIFICATIONS

120W continuous rating, four poles

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/ Kgf*Cm)	Rated T. (N*m/ Kgf*Cm)	Speed (rpm)	Condenser (µF)
K9I□120FJ(-T, -T5)		100	50	2.2	0 <u>.</u> 6/6	0 <u>.</u> 9/9	1300	35
K9I□120F3(=1, =15)		100	60	2 <u>.</u> 2	0.65/6.5	0.735/7.35	1600	35
KOLETOELI T TE		110	- 60	2,13	0.65/6.6	0.725/7.25	1600	30
K9I□120FU(-T, -T5)		115	00	2.3	0 <u>.</u> 7/7	0.735/7.35	1600	30
VOID12051 (T. T5)		200	50	1.07	0.65/6.5	0 <u>.</u> 9/9	1300	8.5
K9I□120FL(-T, -T5)	single-phase	200	60	1,22	0.6/6	0.755/7.55	1550	8
		220	50	0.82	0.55/5.5	0.0/0	1200	6
K9I□120FC(-T, -T5)		230	- 50	0.85	0.6/6	0 <u>.</u> 9/9	1300	6
K911120FC(-1, -15)		220	60	1	0.6/6	0,735/7,35	1600	7
		230	- 60	1,1	0.65/6.5		1600	/
K9I□120FD(-T, -T5)		240	50	0.9	0.6/6	0.9/9	1300	6

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

RATED TORQUE OF GEARHEAD

● 50Hz

unit = above : N·m / below : kgfcm

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	7.5
Motor/	opeca(ipini)	000	710	000	200	200	100	100	120	100		10	00	- 00	-71	01				10	10	10	10	0,0	7.0
Gearhead	Ratio	3	3,6	5	6	7.5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□120F	⊐(-T, -T5)	2,19	2,62	3,65	4,37	5,47	6,56	7,29	8,20	9,84	11,81	13,12	14,76	17,7	20	20	20	20	20	20	20	20	20	20	20
K9P□	B, BF	21,9	26,2	36,5	43,7	54.7	65,6	72,9	82.0	98.4	118,1	131,2	147.6	177	200	200	200	200	200	200	200	200	200	200	200

• 60Hz

unit = above : N · m / below : kgfcm

Model Mater/	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□120F	□(-T, -T5)	1,79	2.14	2,98	3,57	4.47	5,36	5,95	6,70	8,04	9,64	10,72	12,06	14.5	17.4	19,3	20	20	20	20	20	20	20	20	20
K9P□	B, BF	17.9	21,4	29,8	35,7	44,7	53,6	59,5	67.0	80,4	96,4	107.2	120,6	145	174	193	200	200	200	200	200	200	200	200	200

- * Gearhead and decimal gearhead are sold separately.
- * The code in \square of gearhead model is for gear ratio.
- * color indicales 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/200kgfcm.
- * 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

• 50Hz

OULIZ																				L	init = at	bove : I	N·m/	pelow	: kgicm
Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	7.5
Motor/	Opeca(ipili)	000	410	000	200	200	100	100	120	100	- 00	70	00	- 00	41	01	00	20	20	10	10	10	10	0,0	7.0
Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□120F	 ⊐(−T, −T5)	2,19	2,62	3,65	4,37	5,47	6,56	7,29	8,20	9,84	11,81	13,12	14,76	17,71	21,26	23,62	29,52	30	30	30	30	30	30	30	30
K9P□B	U, BUF	21,9	26,2	36,5	43,7	54,7	65,6	72,9	82,0	98,4	118,1	131,2	147,6	177,1	212,6	236,2	295,2	300	300	300	300	300	300	300	300

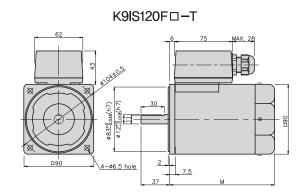
• 60Hz

OULIZ																				Ų	unit = al	bove :	N·m/	below	: kgfcm
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□120F□	□(-T, -T5)	1,79	2,14	2,98	3,57	4,47	5,36	5,95	6,70	8,04	9,64	10.72	12,06	14,47	17,36	19,29	24,11	28,93	30	30	30	30	30	30	30
К9Р□В	U, BUF	17,9	21,4	29,8	35,7	44.7	53,6	59,5	67.0	80,4	96.4	107.2	120,6	144.7	173,6	192,9	241,1	289,3	300	300	300	300	300	300	300

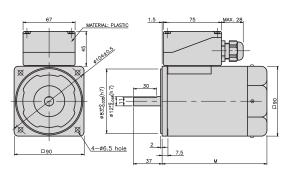
- * Gearhead and decimal gearhead are sold separately.
- * The code in \square of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * If 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 30N·m/300kgfcm.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is $2\sim20\%$ less than indicating rpm according to load size

DIMENSIONS

K9IS120F□ 37 4-96.5 hole 37 7.5 MOTOR LEAD WIRE 300mm UL Style 3271, AWG20



K9IS120F□-T5

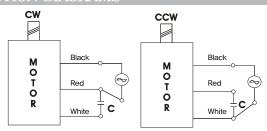


CONNECTION DIAGRAMS

K9IS120F□

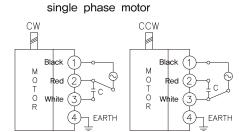
DIMENSION TABLE

PART No	М	Application Model				
01	155	50Hz				
02	135	60Hz				

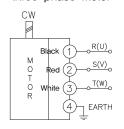


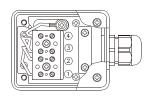
The direction of motor rotation is as viewed from the front shaft end of the motor

K9IS120F□-T



three phase motor

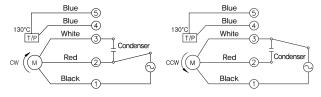




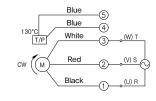
The direction of motor rotation is as viewed from the front shaft end of the motor

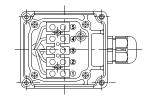
K9IS120F □-T5

single phase motor



three phase motor





connecting two leadwires of U,V,W in turns

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

GEARHEADS

DIMENSIONS

K9P□B



K9P□BF, BUF

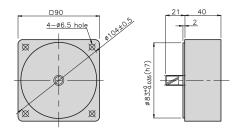


K9P□BU

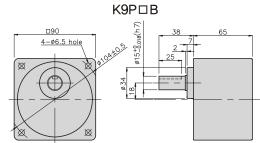


DECIMAL GEARHEAD

K9P10BX

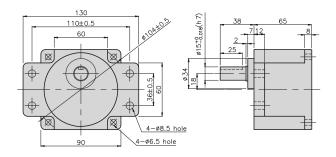


GEAR HEAD



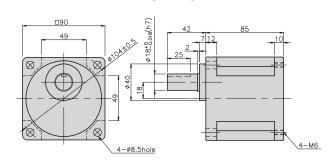
GEARHEAD

K9P□BF



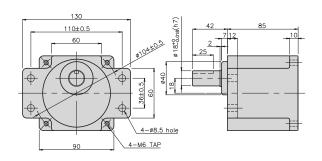
GEARHEAD

K9P□BU

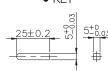


GEARHEAD

K9P□BUF



KEY



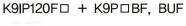
• KEY GROOVE





DIMENSIONS

K9IP120F□ + K9P□B



K9IP120F□ + K9P□BU







WEIGHT

PART	WEIGHT(kg)		
MOTOR	3,72		
DECIMAL GEAR HEAD	0 <u>.</u> 62		

DIMENSION TABLE

PART No	М	Application Model
01	155	50Hz
02	135	60Hz

DIMENSION TABLE

PART No		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

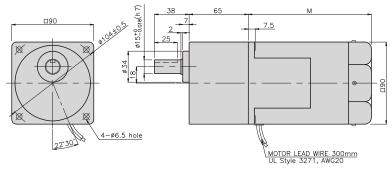
DIMENSION TABLE

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

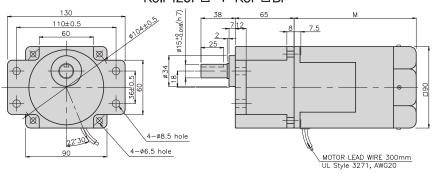
WEIGHT

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

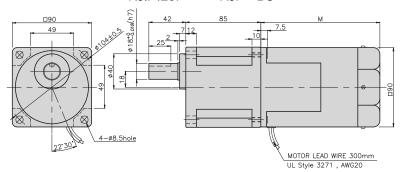
K9IP120F□ + K9P□B



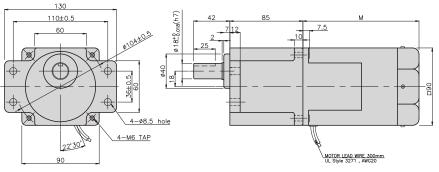
K9IP120F□ + K9P□BF



K9IP120F□ + K9P□BU



K9IP120F□ + K9P□BUF



GEARHEADS

DIMENSIONS

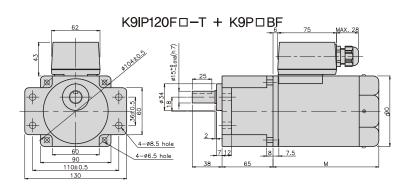
K9IP120F - T + K9P B K9IP120F - T + K9P BF, BUF K9IP120F - T + K9P BU

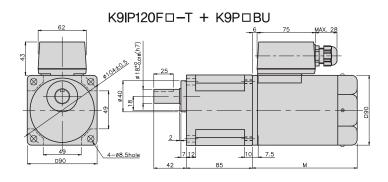


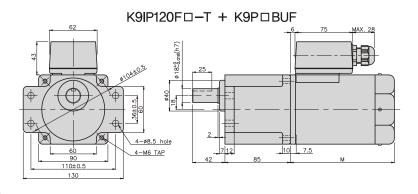




K9IP120F□-T + K9P□B 62 75 MAX. 28 25 25 25 38 65 7.5 M







WEIGHT

PART	WEIGHT(kg)
MOTOR	3.90(50Hz)
MOTOR	3.20(60Hz)
DECIMAL GEAR HEAD	0.62

DIMENSION TABLE

PART No	М	Application Model
01	155	50Hz
02	135	60Hz

DIMENSION TABLE

PART No		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		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

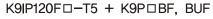
PART No	L	Application Model	Mounting BOLT
01	85	K9P3~200BUF	M6 P1.0 X 20
02	40	K9P10BX	M6 P1.0 X 65

WEIGHT		
PART	WEIGHT(kg)	
K9P3∼10BUF	1,50	
K9P12.5~20BUF	1,62	
K9P25~60BUF	1.76	
K9P75~200BUF	1.82	



DIMENSIONS

K9IP120F□-T5 + K9P□B











WEIGHT

PART	WEIGHT(kg)
MOTOR	3,90(50Hz)
MOTOR	3,20(60Hz)
DECIMAL GEAR HEAD	0.62

DIMENSION TABLE

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

WEIGHT

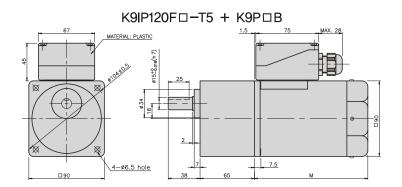
PART	WEIGHT(kg)
K9P3~10BU	1,44
K9P12.5~20BU	1,55
K9P25∼60BU	1,69
K9P75~200BU	1,74

DIMENSION TABLE

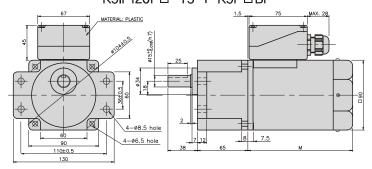
PART No	L	Application Model	Mounting BOLT
01	85	K9P3~200BUF	M6 P1.0 X 20
02	40	K9P10BX	M6 P1.0 X 65

WEIGHT

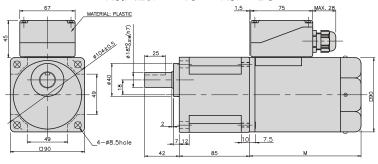
PART	WEIGHT(kg)
K9P3~10BUF	1,50
K9P12,5~20BUF	1,62
K9P25~60BUF	1,76
K9P75~200BUF	1,82

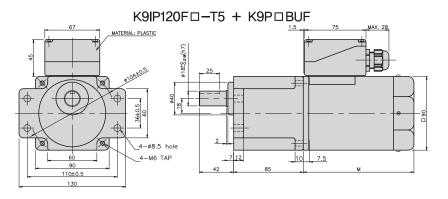


K9IP120F□-T5 + K9P□BF



K9IP120F□-T5 + K9P□BU





INDUCTION MOTOR

150W

□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS150FH



K9IS150F□-T, T5



SPECIFICATIONS

150W continuous rating, four poles

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N∗ m/Kgf∗Cm)	Rated T. (N* m/Kgf*Cm)	Speed (rpm)	Condenser (μF)
K9I□150FT(-T, -T5)		200	50	1 <u>.</u> 2	3 <u>.</u> 5/35	1,13/11,3	1300	_
K911130F1(-1, -15)		200	60	0,95	2,65/26,5	0.915/9.15	1600	
		220	50	0,99	2 <u>.</u> 95/29 <u>.</u> 5	1 10 /11 0	1300	_
KOLD 1505H(T T5)		230	50	1,1	3/30	1,13/11,3	1300	
K9I□150FH(-T, -T5)		220	60	0 <u>.</u> 97	2,5/25	0.015/0.15	1600	_
		230	00	1 <u>.</u> 02	2 <u>.</u> 7/27	0.915/9.15	1600	
KOLD 1505M/ T T5)	three	200	50	0.57	3/30	1,13/11,3	1300	_
K9I□150FM(-T, -T5)	-phase	380	60	0 <u>.</u> 57	2,25/22,5	0.915/9.15	1600	
K9I□150FV(-T, -T5)		400	50	0.6	3,5/35	1,13/11,3	1300	_
K9ILI30FV(-1, -13)		400	60	0 <u>.</u> 6	2,5/25	0.915/9.15	1600	
VOLD 15050(T T5)		415	50	0.57	3.15/31.5	1,13/11,3	1300	_
K9I□150FQ(-T, -T5)		415	60	60 0.42 2,35/23.5 0.915/9.15		0.915/9.15	1600	
V01□150E7(T T5)		440	50	0,53	3,3/33	1.085/10.85	1350	_
K9I□150FZ(-T, -T5)		440	60	0.44	2 <u>.</u> 6/26	0.915/9.15	1600	

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

RATED TORQUE OF GEARHEAD

• 50Hz

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

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	7.5
Motor/	opecu((piii)	000	+10	000	200	200	100	100	120	100		10	_ 00			01	-00	20	20	10	10	10	10	0,0	
Gearhead	Ratio	3	3,6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□150F	□(-T, -T5)	2,64	3,16	4,39	5,27	6,59	7,91	8,79	9,89	11,86	14,24	15,82	17,80	20	20	20	20	20	20	20	20	20	20	20	20
K9P□	B, BF	26.4	31,6	43.9	52,7	65,9	79.1	87.9	98.9	118,6	142,4	158,2	178.0	200	200	200	200	200	200	200	200	200	200	200	200

• 60Hz

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

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/	, , ,																								
Gearhead	Ratio	3	3,6	5	6	7.5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□150F□	□(-T, -T5)	2,22	2,67	3,71	4,45	5,56	6,67	7,41	8,34	10,01	12,01	13,34	15,01	18,01	20	20	20	20	20	20	20	20	20	20	20
K9P□	B, BF	22,2	26.7	37.1	44 <u>.</u> 5	55,6	66,7	74.1	83,4	100,1	120,1	133,4	150,1	180,1	200	200	200	200	200	200	200	200	200	200	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/200kgfcm.
- * 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

• 50Hz

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

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	75
Motor/	opecu(ipili)	300	410	300	200	200	100	150	120	100	3	75	00	5	41	5	50	20	20	2	2	2	2	0.	7.0
Gearhead	Ratio	3	3,6	5	6	7 <u>.</u> 5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□150F	□(-T, -T5)	2,64	3,16	4,39	5,27	6,59	7,91	8,79	9,89	11,86	14,24	15,82	17,80	21,36	25,63	28,47	30	30	30	30	30	30	30	30	30
К9Р□В	U, BUF	26.4	31,6	43,9	52,7	65,9	79,1	87,9	98.9	118,6	142,4	158,2	178.0	213,6	256.3	284.7	300	300	300	300	300	300	300	300	300

• 60Hz

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

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	q
Motor/	opeca(rpin)	000	000	000	000	240	200	100	1-7-7	120	100	00	12	- 00	50	Ρ	00	00	24	20	į	10	12	10	
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□150F□(-T, -T5)		2,22	2,67	3,71	4,45	5,56	6,67								21,61			30	30	30	30	30	30	30	30
K9P□BU, BUF		22,2	26,7	37,1	44,5	55,6	66,7	74,1	83,4	100,1	120,1	133,4	150,1	180,1	216,1	240,1	300	300	300	300	300	300	300	300	300

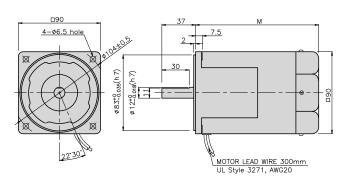
- * Gearhead and decimal gearhead are sold separately.
- * The code in

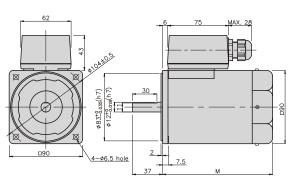
 of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth of the ratio, between the gearhead and the motor. In this case, the permissible torque is 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.

DIMENSIONS

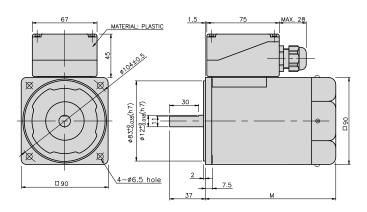
K9IS150FH

K9IS150F□-T





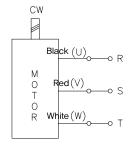
K9IS150F □-T5



GEARHEADS

CONNECTION DIAGRAMS

K9IS150F□



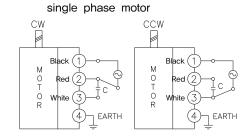
DADT No. A A

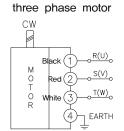
connecting two leadwires of U,V,W in turns
The direction of motor rotation is as viewed from the front shaft end of the motor

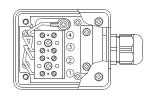
PART No	М	Application Model
01	155	50Hz
02	135	60Hz

DIMENSION TABLE

K9IS150F□-T



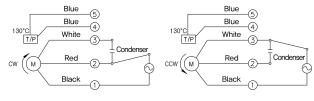




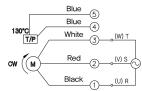
The direction of motor rotation is as viewed from the front shaft end of the motor

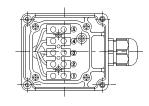
K9IS150F □-T5

single phase motor



three phase motor





connecting two leadwires of U,V,W in turns

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

DIMENSIONS

К9Р□В



K9P□BF, BUF

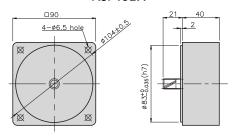


K9P□BU



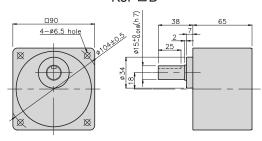
DECIMAL GEARHEAD

K9P10BX



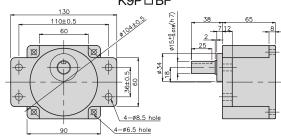
GEAR HEAD

К9Р□В



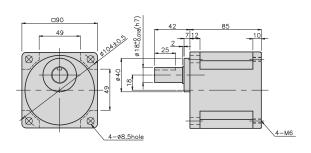
GEARHEAD

K9P□BF



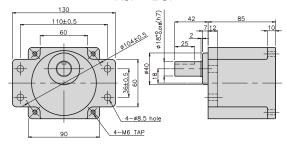
GEARHEAD

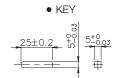
K9P□BU





K9P□BUF







GEARHEADS

DIMENSIONS

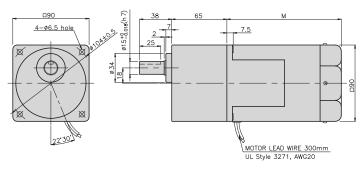
K9IP150F□ + K9P□B K9IP150F□ + K9P□BF, BUF K9IP150F□ + K9P□BU



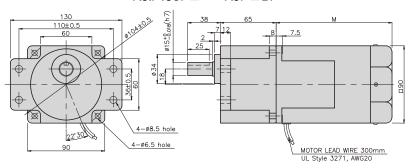




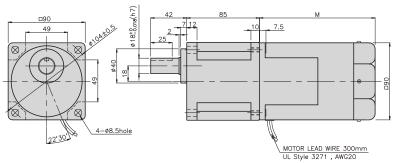
K9IP150F□ + K9P□B



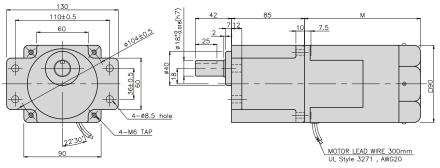
K9IP150F□ + K9P□BF



K9IP150F□ + K9P□BU



K9IP150F□ + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3.82
DECIMAL GEAR HEAD	0,62

DIMENSION TABLE

PART No	М	Application Model
01	155	50Hz
02	135	60Hz

DIMENSION TABLE

PART No		Application Model	Mounting BOLT
01	85	K9P3∼200B	M6 P1.0 X 95
02	40	K9P10BX	M4 P1.0 X 60

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	85	K9P3∼200BF	M6 P1.0 X 95
02	40	K9P10BX	M4 P1.0 X 60

WEIGHT

TTEIGHT			
PART	WEIGHT(kg)		
K9P3~10BF	1,22		
K9P12,5~20BF	1 <u>.</u> 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 <u>.</u> 5∼20BU	1,55
K9P25~60BU	1,69
K9P75~200BU	1.74

DIMENSION TABLE

	L	Application Model	Mounting BOLT
01	85	K9P3~200BUF	M6 P1.0 X 20
02	40	K9P10BX	M6 P1.0 X 65

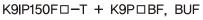
PART	WEIGHT(kg)	
K9P3∼10BUF	1,50	
K9P12.5~20BUF	1,62	
K9P25~60BUF	1,76	
K9P75~200BUF	1,82	



DIMENSIONS

K9IP150F□-T + K9P□B







K9IP150F□-T + K9P□BU



WEIGHT

PART	WEIGHT(kg)
MOTOR	3,24(3,90)
DECIMAL GEAR HEAD	0,62

DIMENSION TABLE

PART No	М	Application Model
01	155	50Hz
02	135	60Hz

DIMENSION TABLE

PART No	L	Application Model	Mounting BOLT
01	85	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		Application Model	Mounting BOLT
01	85	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		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

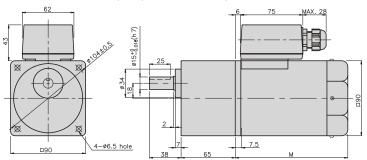
DIMENSION TABLE

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

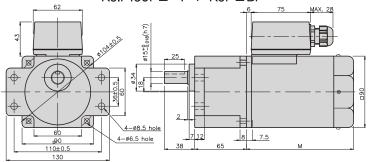
WEIGHT

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

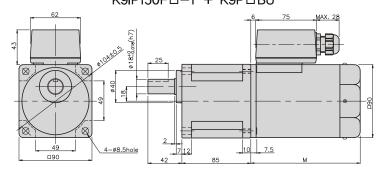
K9IP150F□-T + K9P□B



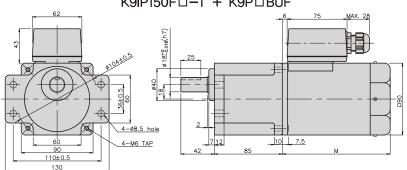
K9IP150F□-T + K9P□BF



K9IP150F□-T + K9P□BU



K9IP150F□-T + K9P□BUF



GEARHEADS

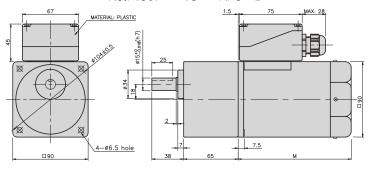
DIMENSIONS



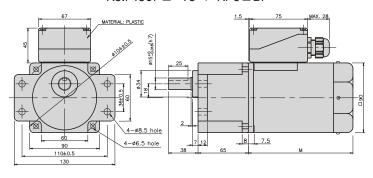




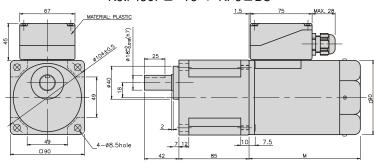
K9IP150F□-T5 + KP9□B



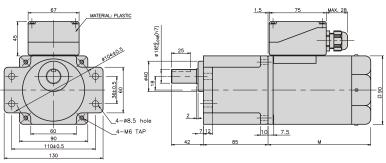
K9IP150F□-T5 + KP9□BF



K9IP150F□-T5 + KP9□BU



K9IP150F□-T5 + KP9□BUF



WEIGHT

PART	
MOTOR	3.24(3.90)
DECIMAL GEAR HEAD	0 <u>.</u> 62

DIMENSION TABLE

PART No	М	Application Model
01	155	50Hz
02	135	60Hz

DIMENSION TABLE

PART No		Application Model	Mounting BOLT
01	85	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		Application Model	Mounting BOLT
01	85	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		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							





INDUCTION MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS180F□



K9IS180F□-T, T5



SPECIFICATIONS

180W continuous rating, four poles

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/ Kgf*Cm)	Rated T. (N*m/ Kgf*Cm)	Speed (rpm)	Condenser (µF)	
K9I□180FJ(-T, -T5)		100	50	3 <u>.</u> 43	0 <u>.</u> 9/9	1 <u>.</u> 35/13 <u>.</u> 5	1300	50	
K9I□160FJ(=1, =15)		100	60	3.7	1/10	1 <u>.</u> 1/11	1600	50	
V0101490511/ T TE		110	60	2 <u>.</u> 85	0.0/0	1,1/11	1600	35	
K9I□180FU(-T, -T5)		115	- 60	3,06	0 <u>.</u> 8/8	1, 1/ 11	1600	35	
K01E400EL (T. TE)		200	50	1,47	0.73/7.3	1 <u>.</u> 35/13 <u>.</u> 5	1300	10	
K9I□180FL(-T, -T5)	single-phase	200	60	1,43	0.65/6.5	1,1/11	1600	12	
		220	50	1.58	0.7/7	1 <u>.</u> 35/13 <u>.</u> 5	1300		
K9I□180FC(-T, -T5)		220	60	1,38	0.65/6.5	1 <u>.</u> 1/11	1600	0	
K9ILI80FC(-1, -15)		220	50	1.7	0.75/7.5	1 <u>.</u> 35/13 <u>.</u> 5	1300	8	
		230	60	1 <u>.</u> 54	0 <u>.</u> 7/7	1 <u>.</u> 1/11	1600		
K9I□180FD(-T, -T5)		240	50	1.2	0.8/8	1,35/13,5	1300	8	

 $* \square$: SHAFT SHAPE (S : STRAIGHT, P : PINION)

RATED TORQUE OF GEARHEAD

• 50Hz

unit = above : N·m / below : kgfcm

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7.5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□180F□	□(-T, -T5)	3,28	3,94	5,47	6,56	8,20	9,84	10,94	12,30	14,76	17,71	19,68	22,14	26,57	30	30	30	30	30	30	30	30	30	30	30
К9Р□В	U, BUF	32,8	39.4	54.7	65,6	82.0	98.4	109.4	123,0	147,6	177,1	196,8	221,4	265,7	300	300	300	300	300	300	300	300	300	300	300

• 60Hz

unit = above : N · m / below : kgfcm

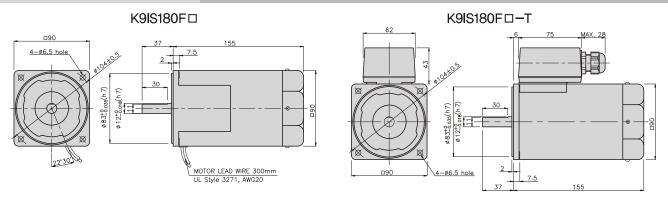
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□180F□	□(-T, -T5)	2,67	3,21	4,46	5,35	6,68	8,02	8,91	10,02	12,03	14,43	16,04	18,04	21,65	25,98	28,87	30	30	30	30	30	30	30	30	30
К9Р□В	U, BUF	26.7	32,1	44,6	53,5	66,8	80,2	89.1	100,2	120,3	144.3	160,4	180,4	216,5	259,8	288,7	300	300	300	300	300	300	300	300	300

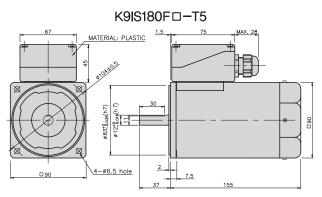
- * Gearhead and decimal gearhead are sold separately.
- * The code in \square of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * If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





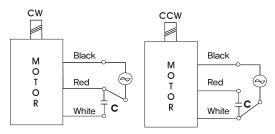
DIMENSIONS





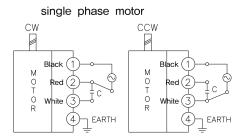
CONNECTION DIAGRAMS

K9IS180F□

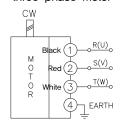


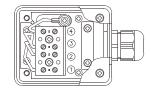
The direction of motor rotation is as viewed from the front shaft end of the motor





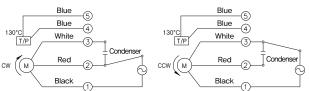
three phase motor





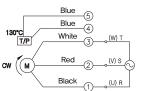
The direction of motor rotation is as viewed from the front shaft end of the motor

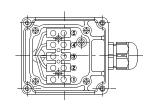
K9IS180F□-T5



single phase motor

three phase motor







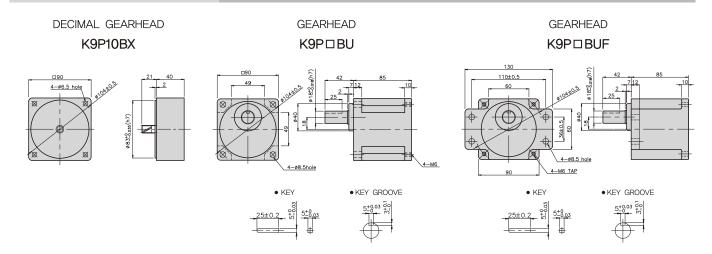
DIMENSIONS

K9P□BU

K9P□BUF







GEARHEADS

DIMENSIONS

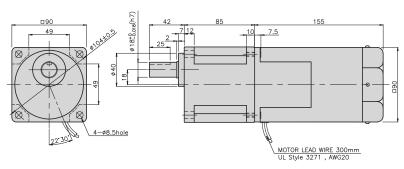
K9IP180F□ + K9P□BU



K9IP180F□ + K9P□BUF



K9IP180F□ + K9P□BU



WEIGHT

PART	WEIGHT(kg)					
MOTOR	3,72					
DECIMAL GEAR HEAD	0 <u>.</u> 62					

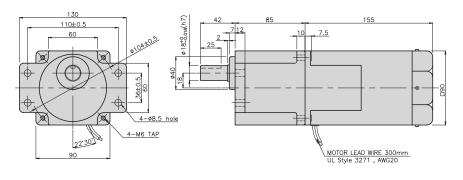
DIMENSION TABLE

PART No		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

K9IP180F□ + K9P□BUF



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

PART	WEIGHT(kg)
K9P3∼10BUF	1,50
K9P12.5~20BUF	1 <u>.</u> 62
K9P25∼60BUF	1,76
K9P75~200BUF	1,82

CONNECTION DIAGRAMS

K9IP180F□-T + K9P□BU







WEIGHT

PART	WEIGHT(kg)
MOTOR	3,90
DECIMAL GEAR HEAD	0,62

DIMENSION TABLE

PART No		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

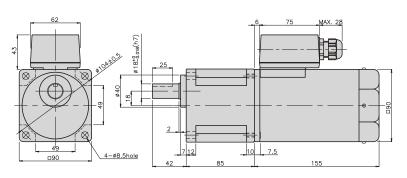
DIMENSION TABLE

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

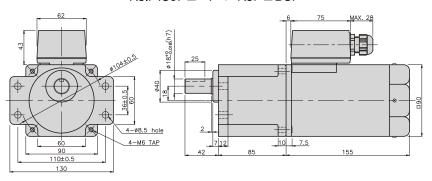
WEIGHT

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

K9IP180F□-T + K9P□BU



K9IP180F□-T + K9P□BUF



GEARHEADS

DIMENSIONS

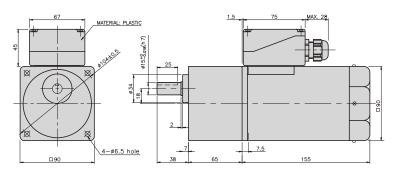
K9IP180F□-T5 + K9P□BU



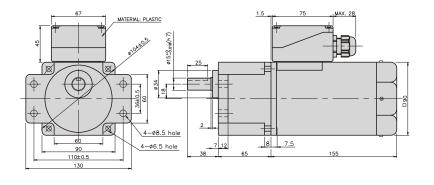
K9IP180F□-T5 + K9P□BUF



K9IP180F□-T5 + K9P□BU



K9IP180F□-T5 + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3.90
DECIMAL GEAR HEAD	0 <u>.</u> 62

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

-					
PART	WEIGHT(kg)				
K9P3∼10BUF	1.50				
K9P12.5~20BUF	1,62				
K9P25∼60BUF	1,76				
K9P75~200BUF	1,82				

INDUCTION MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS200FH



K9IS200F□-T, T5



SPECIFICATIONS

200W continuous rating, four poles

	,							
Mode	I	Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/ Kgf*Cm)	Rated T (N*m Kgf *Cm)	Speed (rpm)	Condenser (µF)
K9I□200FT(-T, -T5)		200	50	1.62	4/40	1 <u>.</u> 5/15	1300	_
K910200F1(-1, -13)		200	60	1,29	3.15/31.5	1.22/12.2	1600	
		220	50	1,36	4.25/42.5	1.45/14.5	1350	_
K9I□200FH(-T, -T5)		220	60	1,06	3,4/34	1.22/12.2	1600	
K9I□200FH(=1, =15)		230	50	1 <u>.</u> 51	4.3/43	1.45/14.5	1350	_
		230	60	1,15	3.5/35	1.22/12.2	1600	
K9I□200FM(-T, -T5)	three-phase	380	50	0 <u>.</u> 81	4.3/43	1.45/14.5	1350	_
K9I□200FM(-1, -15)	triree—priase	380	60	0.58	3,6/36	1.22/12.2	1600	
K9I□200FV(-T, -T5)		400	50	0 <u>.</u> 91	4.5/45	1.45/14.5	1350	_
K9III200FV(-1, -15)		400	60	0 <u>.</u> 67	4/40	1.22/12.2	1600	
KOLE 300EO(T TE)		415	50	0 <u>.</u> 62	3 <u>.</u> 8/38	1 <u>.</u> 5/15	1300	_
K9I□200FQ(-T, -T5)		415	60	0 <u>.</u> 58	3/30	1 <u>.</u> 26/12 <u>.</u> 6	1550	
K9I□200FZ(-T, -T5)		440	50	0 <u>.</u> 68	4.1/41	1 <u>.</u> 5/15	1300	_
N9111200F2(-1, -15)		440	60	0 <u>.</u> 54	3/30	1.22/12.2	1600	

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

RATED TORQUE OF GEARHEAD

• 50Hz

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

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	75
Motor/	opeca(ipiii)	300	410	300	250	200	100	150	120	100	00	15	00	50	41	31	30	20	20	10	10	10	10	0,5	7,5
Gearhead	Ratio	3	3,6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□200F	⊐(–T, –T5)	3,52	4,23	5,87	7,05	8,81	10,57	11,75	13,21	15,86	19,03	21,14	23,78	28,54	30	30	30	30	30	30	30	30	30	30	30
К9Р□В	U, BUF	35,2	42,3	58,7	70,5	88,1	105,7	117,5	132,1	158,6	190,3	211,4	237,8	285,4	300	300	300	300	300	300	300	300	300	300	300

• 60Hz

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

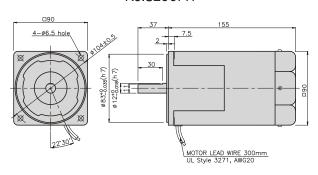
l N	/lodel	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	a
	1otor/	opecu((piii)	000	300	300	300	240	200	100	144	120	100	30	12	00	50	40	30	30	24	20	10	10	12	10	J
	arhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
KS	9I□200F	□(-T, -T5)	2,96	3,56	4.94	5,93	7,41	8,89	9,88	11,12	13,34	16,01	17,79	20,01	24,01	28,82	30	30	30	30	30	30	30	30	30	30
	К9Р□В	U, BUF	29.6	35,6	49.4	59.3	74.1	88.9	98.8	111,2	133,4	160,1	177.9	200,1	240.1	288,2	300	300	300	300	300	300	300	300	300	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/300kgfcm.
- * RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is $2\sim20\%$ less than indicating rpm according to load size

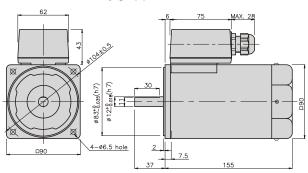




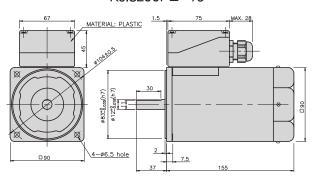
K9IS200FH



K9IS200F□-T

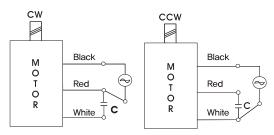


K9IS200F □-T5



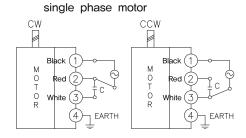
CONNECTION DIAGRAMS

K9IS200F□

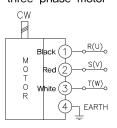


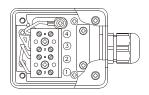
The direction of motor rotation is as viewed from the front shaft end of the motor

K9IS200F□-T



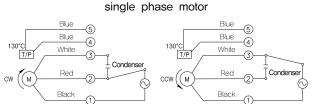
three phase motor



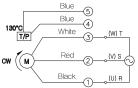


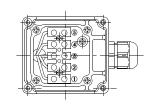
The direction of motor rotation is as viewed from the front shaft end of the motor

K9IS200F□-T5



three phase motor







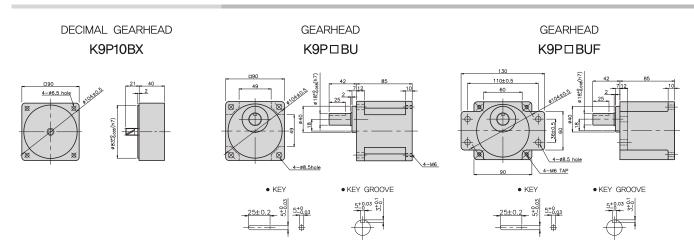
DIMENSIONS

K9P□BU



K9P□BUF







DIMENSIONS

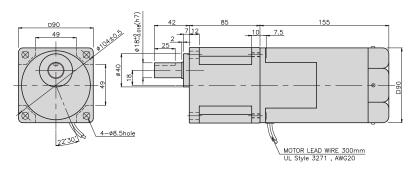
K9IP200F□ + K9P□BU



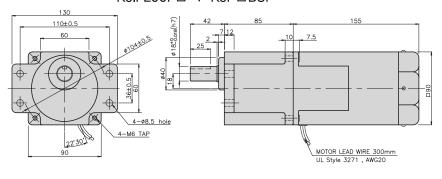
K9IP200F□ + K9P□BUF



K9IP200F□ + K9P□BU



K9IP200F□ + K9P□BUF



WEIGHT

PART	WEIGHT(kg)				
MOTOR	3,82				
DECIMAL GEAR HEAD	0.62				

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

PART	WEIGHT(kg)				
K9P3~10BUF	1,50				
K9P12.5~20BUF	1,62				
K9P25~60BUF	1,76				
K9P75~200BUF	1.82				



DIMENSIONS

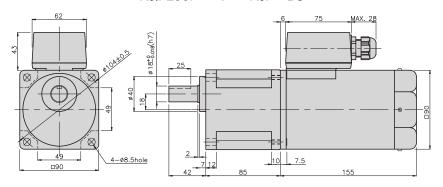
K9IP200F□-T + K9P□BU



$K9IP200F\Box -T + K9P\Box BUF$



K9IP200F□-T + K9P□BU



WEIGHT

PART	WEIGHT(kg)				
MOTOR	4.00				
DECIMAL GEAR HEAD	0 <u>.</u> 62				

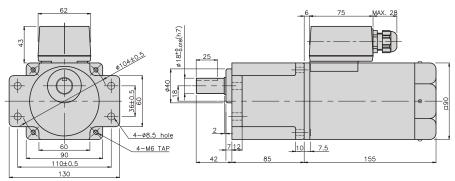
DIMENSION TABLE

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

WEIGHT

WEIGHT(kg)					
1,44					
1 <u>.</u> 55					
1,69					
1,74					

K9IP200F□-T + K9P□BUF



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

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

DIMENSIONS

K9IP200F□-T5 + K9P□BU



K9IP200F□-T5 + K9P□BUF



WEIGHT

PART	WEIGHT(kg)						
MOTOR	4.00						
DECIMAL GEAR HEAD	0,62						

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

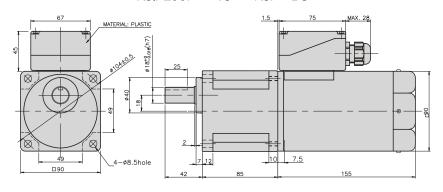
DIMENSION TABLE

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

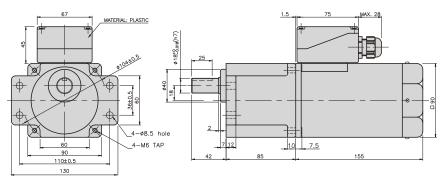
WEIGHT

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

K9IP200F□-T5 + K9P□BU



K9IP200F□-T5 + K9P□BUF





REVERSIBLE MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9RS60F□



K9RS60F□-T, T5



SPECIFICATIONS

60W continuous rating, four poles

60W continuous rating, four poles								
Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/ Kgf*Cm)	Rated T. (N*m/ Kgf*Cm)	Speed (rpm)	Condenser (µF)
K9R□60FJ(-T, -T5)		100	50	1 <u>.</u> 48	0.48/4.8	0 <u>.</u> 47/4 <u>.</u> 7	1250	25
K9K 00F3(-1, -13)		100	60	1 <u>.</u> 66	0.46/4.6	0.38/3.8	1550	25
K9R□60FU(-T, -T5)		110	60	1 <u>.</u> 25	0 <u>.</u> 4/4	0.38/3.8	1550	17
K9K1100F0(-1, -13)		115	00	1 <u>.</u> 31	0.425/4.25	0.38/3.8	1990	17
K9R□60FL(-T, -T5)		200	50	0 <u>.</u> 72	0 <u>.</u> 5/5	0 <u>.</u> 47/4 <u>.</u> 7	1250	6
K9K1100FL(-1, -13)	single-phase	200	60	0 <u>.</u> 76	0.44/4.4	0.39/3.9	1500	0
		220	50	0.69	0.45/4.5	0.47/4.7	1250	
K9R□60FC(-T, -T5)		220	60	0.76	0.48/4.8	0.38/3.8	1550	5
K9R□60FC(=1, =15)		230	50	0 <u>.</u> 77	0.5/5	0.47/4.7	1250	5
		230	60	0 <u>.</u> 79	0 <u>.</u> 5/5	0.38/3.8	1550	
K9R□60FD(-T, -T5)		240	50	0.75	0.5/5	0.47/4.7	1250	5

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

RATED TORQUE OF GEARHEAD

• 50Hz

unit = above : N·m / below : kgfcm

	_																								
Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12,5	10	8,3	7,5
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□60F	⊐(-T, -T5)	1,14	1,37	1,90	2,28	2,86	3,43	3,81	4,28	5,14	6,17	6.85	7,71	9,25	11,10	12,33	15,42	18,50	20	20	20	20	20	20	20
K9P□	B, BF	11,4	13.7	19,0	22,8	28,6	34.3	38,1	42,8	51.4	61.7	68.5	77,1	92,5	111,0	123,3	154.2	185	200	200	200	200	200	200	200

• 60Hz

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

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7 <u>.</u> 5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□60F□	□(-T, -T5)	0,92	1,11	1,54	1,85	2,31	2,77	3,08	3,46	4,16	4,99	5,54	6,23	7,48	8,98	9,97	12,47	14,96	16,83	20	20	20	20	20	20
K9P□	B, BF	9,2	11,1	15,4	18,5	23,1	27.7	30,8	34,6	41,6	49,9	55,4	62,3	74,8	89,8	99,7	124,7	149,6	168.3	200	200	200	200	200	200

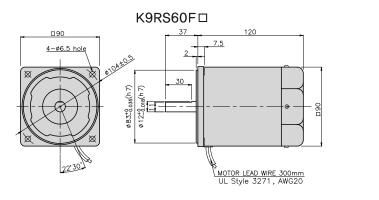
- * Gearhead and decimal gearhead are sold separately.
- * The code in

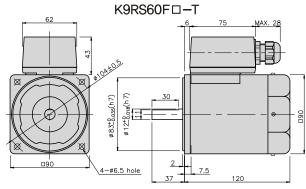
 of gearhead model is for gear ratio.
- * color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction
- * If you are to have less ratio than the ratio in the table, you can install the decimal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





DIMENSIONS

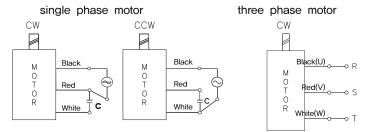




K9RS60F□-T5 67 MATERIAL: PLASTIC 30 4-Ø6.5 hole 37 7.5 120

CONNECTION DIAGRAMS

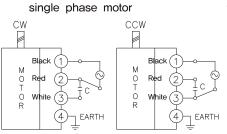
K9RS60F□

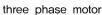


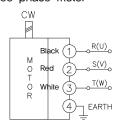
connecting two leadwires of U,V,W in turns

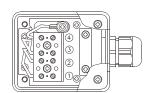
The direction of motor rotation is as viewed from the front shaft end of the motor











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

K9RS60F□-T5

Blue

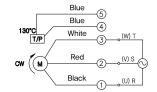
Blue

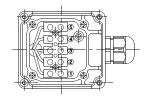


Blue (5)
Blue (4)
White (3)
T/P (Annual Condenser)

Red (2)
Black (1)

three phase motor





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



Condense



DIMENSIONS





DECIMAL GEARHEAD

K9P10BX

K9P0B

K9P0B

K9P0BF

Ref Groove

**Ref Groove

GEARHEADS

DIMENSIONS

K9RP60F□ + K9P□B



K9RP60F□ + K9P□BF



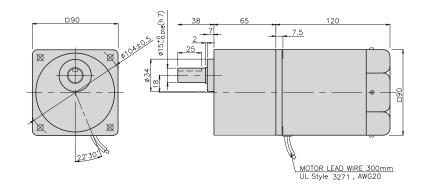
DIMENSION TABLE

PART No		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	2 <u>.</u> 50
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□ + K9P□B



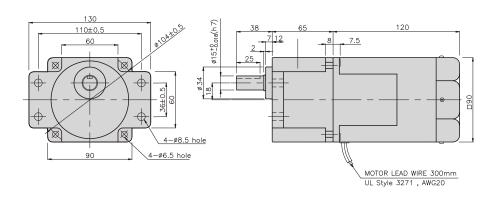
DIMENSION TABLE

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	3.00
DECIMA	AL GEAR HEAD	0,62
	K9P3~10BF	1,22
GEAR	K9P12.5~20BF	1,30
HEAD	K9P25~60BF	1.42
	K9P75~200BF	1,44

K9RP60F□ + K9P□BF





DIMENSIONS

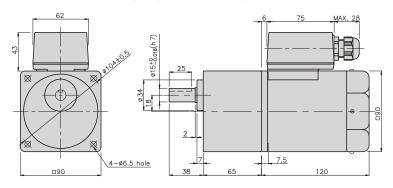
 $K9RP60F\Box -T + K9P\Box B$



K9RP60F□-T + K9P□BF



 $K9RP60F\Box -T + K9P\Box B$



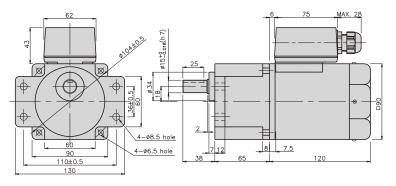
DIMENSION TABLE

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

WEIGHT

	PART	WEIGHT(kg)
	MOTOR	2,68
DECIMA	AL GEAR HEAD	0 <u>.</u> 62
	K9P3∼10B	1,22
GEAR	K9P12.5~20B	1,32
HEAD	K9P25∼60B	1,42
	K9P75~200B	1,45

K9RP60F□-T + K9P□BF



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

	PART	WEIGHT(kg)
	2,68	
DECIM	IAL GEAR HEAD	0.62
	K9P3∼10BF	1,22
GEAR	K9P12.5~20BF	1,32
HEAD	K9P25∼60BF	1,42
	K9P75~200BF	1,45

DIMENSIONS

K9RP60F□-T5 + K9P□B



K9RP60F□-T5 + K9P□BF



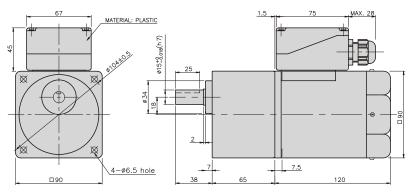
DIMENSION TABLE

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	2 <u>.</u> 68
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□-T5 + K9P□B



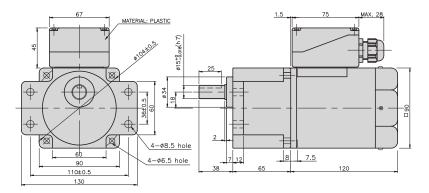
DIMENSION TABLE

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	2 <u>.</u> 68
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

K9RP60F□-T5 + K9P□BF





REVERSIBLE MOTOR



□90mm

LEAD WIRE TYPE TERMINAL BOX TYPE

K9RS90F□



K9RS90F□-T, T5



SPECIFICATIONS

90W continuous rating, four poles

Model	Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/ Kgf*Cm)	Rated T. (N*m/ Kgf*Cm)	Speed (rpm)	Condenser (µF)		
K9R□90FJ(-T, -T5)		100	50	2 <u>.</u> 52	0 <u>.</u> 6/6	0.705/7.05	1250	35	
K9K 🗆 90F3(=1, =15)		100	60	2 <u>.</u> 42	0.0/0	0.57/5.7	1550	33	
K9R□90FU(-T, -T5)		110	- 60	1 <u>.</u> 88	0.55/5.5	0.57/5.7	1550	25	
		115	00	2 <u>.</u> 12	0.33/3.3	0.57/5.7	1990	25	
140D = 00EL (T TE)		220	50	0 <u>.</u> 9	0.55/5.5	0.705/7.05	1250	8	
K9R□90FL(-T, -T5)	single - phase	220	60	1.1	0 <u>.</u> 55/5 <u>.</u> 5	0.57/5.7	1550		
		220	50	1	0.5/5	0.705/7.05 1250			
KODE100EO(T. TE)		220	60	1.1	0.53/5.3	0.57/5.7	1550	7	
K9R□90FC(-T, -T5)		230	50	1.3	0.6/6	0.705/7.05	1250	/	
		230	60	1,1	0 <u>.</u> 6/6	0.57/5.7	1550		
K9R□90FD(-T, -T5)		240	50	0.94	0.55/5.5	0.705/7.05	1250	6	

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

RATED TORQUE OF GEARHEAD

• 50Hz

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

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12,5	10	8,3	7,5
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□90	F□(-T, -T5)	1,71	2,06	2,86	3,43	4,28	5,14	5,71	6,42	7,71	9,25	10,28	11,56	13,88	16,65	18,5	20	20	20	20	20	20	20	20	20
K9F	□B, BF	17,1	20,6	28,6	34,3	42.8	51,4	57,1	64.2	77.1	92,5	102.8	115,6	138,8	166,5	185.0	200	200	200	200	200	200	200	200	200

• 60Hz

unit = above : N·m / below : kgfcm

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□90F□	□(-T, -T5)	1,39	1,66	2,31	2,77	3,46	4,16	4,62	5,19	6,23	7,48	8,31	9,35	11,22	13,46	14,96	18,7	20	20	20	20	20	20	20	20
K9P□	B, BF	13,9	16,6	23,1	27.7	34.6	41,6	46,2	51,9	62,3	74.8	83,1	93,5	112.2	134,6	149,6	187	200	200	200	200	200	200	200	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/200kgfcm.
- * 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

• 50Hz unit = above : $N \cdot m$ / below : kgfcm

Model	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8,3	7,5
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□90F	⊐(-T, -T5)	1,71	2,06	2,86	3,43	4,28	5,14	5,71	6,42	7,71	9,25	10,28	11,56	13,88	16,65	18,50	23,13	27,75	30	30	30	30	30	30	30
K9RP□E	BU, BUF	17,1	20,6	28,6	34,3	42,8	51,4	57,1	64.2	77,1	92,5	102,8	115,6	138,8	165,6	185,0	231,3	277.5	300	300	300	300	300	300	300

• 60Hz $\mathsf{unit} = \mathsf{above} : \mathsf{N} \cdot \mathsf{m} \ / \ \mathsf{below} : \mathsf{kgfcm}$

Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□90F	⊐(-T, -T5)	1,39	1,66	2,31	2,77	3,46	4,16	4,62	5,19	6,23	7,48	8,31	9,35	11,22	13,46	14,96	18,70	22,44	25,24	30	30	30	30	30	30
K9RP□E	BU, BUF	13,9	16,6	23,1	27.7	34,6	41,6	46,2	51,9	62,3	74,8	83,1	93,5	112,2	134,6	149,6	187,0	224.4	252,4	300	300	300	300	300	300

* Gearhead and decimal gearhead are sold separately.

K9RS90F□

* The code in

of gearhead model is for gear ratio.

□90 4-ø6.5 hole

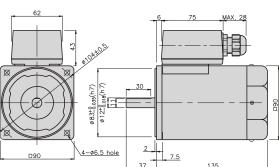
- * _____ color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- * If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth 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.

DIMENSIONS

30 Ø12±0.018(h7)

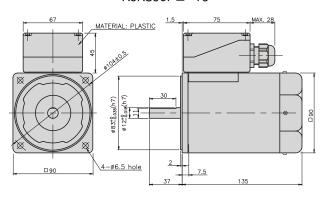
MOTOR LEAD WIRE 300mm UL Style 3271, AWG20





K9RS90F□-T

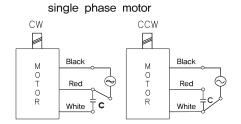
K9RS90F□-T5



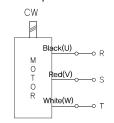
GEARHEADS

CONNECTION DIAGRAMS

K9RS90F□



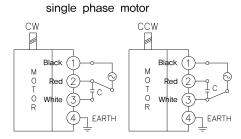
three phase motor



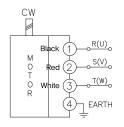
connecting two leadwires of U,V,W in turns

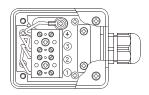
The direction of motor rotation is as viewed from the front shaft end of the motor

K9RS90F□-T



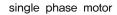
three phase motor

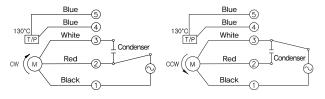




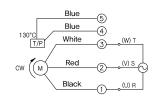
The direction of motor rotation is as viewed from the front shaft end of the motor

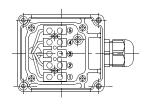
K9RS90F□-T5





three phase motor





connecting two leadwires of U,V,W in turns

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

GEARHEADS

DIMENSIONS

K9P□B



K9P□BF, BUF

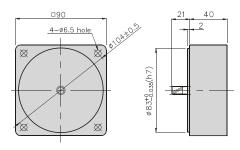


K9P□BU



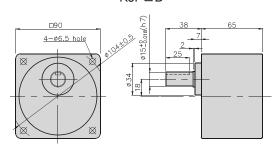
DECIMAL GEARHEAD

K9P10BX

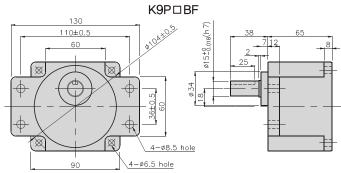


GEAR HEAD

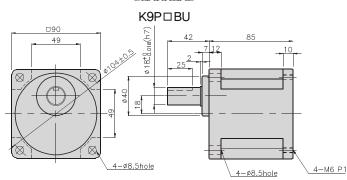
К9Р□В



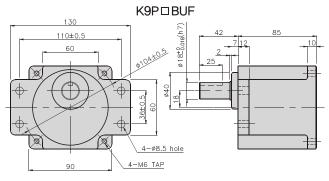
GEARHEAD



GEARHEAD



GEARHEAD



• KEY • KEY GROOVE



GEARHEADS

DIMENSIONS

K9RP90F□ + K9P□B

K9RP90F□ + K9P□BF, BUF

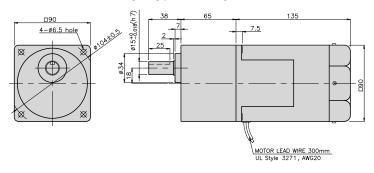
K9RP90F□ + K9P□BU



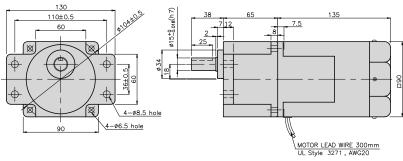




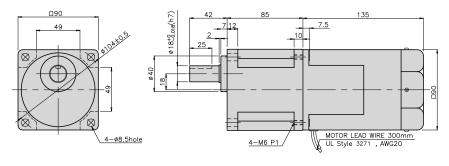
K9RP90F□ + K9P□B



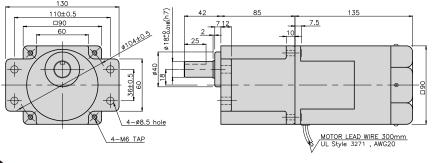
K9RP90F□ + K9P□BF



K9RP90F□ + K9P□BU



K9RP90F□ + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3.00
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	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

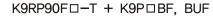
DIMENSION TABLE

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

PART	WEIGHT(kg)
K9P3∼10BUF	1,50
K9P12.5~20BUF	1,62
K9P25~60BUF	1,76
K9P75~200BUF	1.82

DIMENSIONS

K9RP90F□-T + K9P□B



K9RP90F□-T + K9P□BU







WEIGHT

PART	WEIGHT(kg)
MOTOR	3 <u>.</u> 18
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	L	Application Model	Mounting BOLT
01	85	K9P3~200BU	M6 P1.0 X 20
02	40	K9P10BX	M6 P1.0 X 60

WEIGHT

	WEIGHT(kg)
K9P3∼10BU	1.44
K9P12.5~20BU	1,55
K9P25~60BU	1,69
K9P75~200BU	1,74

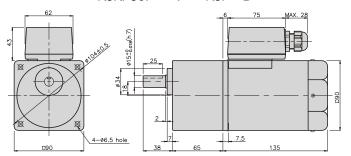
DIMENSION TABLE

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

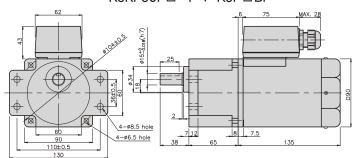
WEIGHT

WEIGHT		
PART	WEIGHT(kg)	
K9P3∼10BUF	1,50	
K9P12.5~20BUF	1,62	
K9P25∼60BUF	1,76	
K9P75~200BUF	1.82	

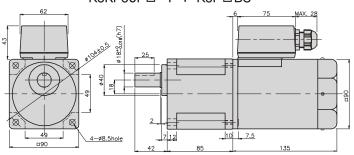
$K9RP90F\Box -T + K9P\Box B$



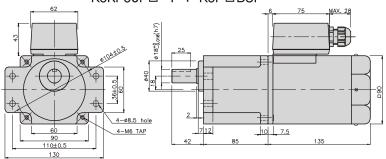
K9RP90F□-T + K9P□BF



K9RP90F□-T + K9P□BU



K9RP90F□-T + K9P□BUF



DIMENSIONS

K9RP90F□-T5 + K9P□B



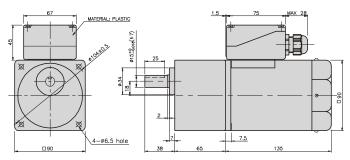
K9RP90F□-T5 + K9P□BU



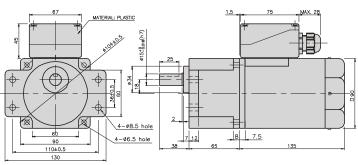




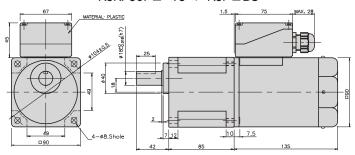
K9RP90F□-T5 + K9P□B



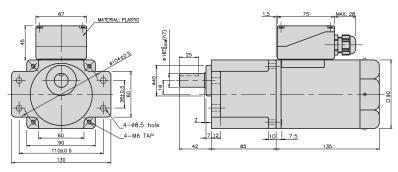
K9RP90F□-T5 + K9P□BF



K9RP90F□-T5 + K9P□BU



K9RP90F□-T5 + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3.18
DECIMAL GEAR HEAD	0 <u>.</u> 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		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 <u>.</u> 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

PART	WEIGHT(kg)	
K9P3~10BUF	1,50	
K9P12.5~20BUF	1,62	
K9P25~60BUF	1.76	
K9P75~200BUF	1.82	