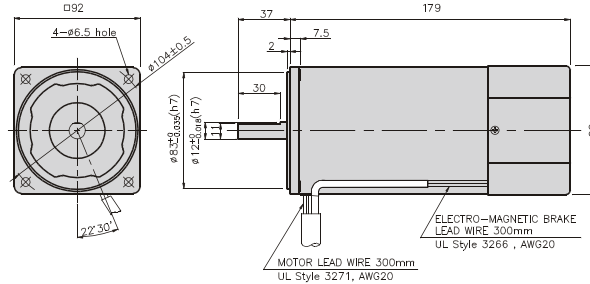


## BRAKE MOTOR

# 180W

# □90mm

K9□S180F□-B



### SPECIFICATIONS

180W 30 minutes rating, four poles

Model	Duty	Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/Kgf*cm)	Rated T. (N*m/Kgf*cm)	Speed (rpm)	Condenser (μF)	Friction T. (N*m/Kgf*cm)
K9R□180FJ-B	single-phase 30 minutes	100	50	3,1	0,7/7	1,35/13,5	1300	40	1/10
			60	2,95	0,75/7,5	1,1/11			
K9R□180FU-B		110	2,9	60	0,85/8,5	1,1/11	1600	40	1/10
		115							
K9I□180FL-B		200	50	1,47	0,65/6,5	1,35/13,5	1300	12	1/10
			60	1,43	0,55/5,5	1,1/11			
K9R□180FC-B		220	50	1,58	0,65/0,6	1,35/13,5	1300	8	1/10
			60	1,38	0,6/6	1,1/11			
		230	50	1,7	0,7/7	1,35/13,5	1300		
			60	1,54	0,65/6,5	1,1/11	1600		
K9R□180FD-B	240	50	1,2	0,7/7	1,35/13,5	1300	8	1/10	

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

### RATED TORQUE OF GEARHEAD

#### ● 50Hz

unit = above : N · m / below : kgfcm

Model Motor/ Gearhead	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
	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
K9RP180F□-B K9P□BU, BUF	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	30
	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	300

#### ● 60Hz

unit = above : N · m / below : kgfcm

Model Motor/ Gearhead	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
	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
K9RP180F□-B K9P□BU, BUF	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	30
	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	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.

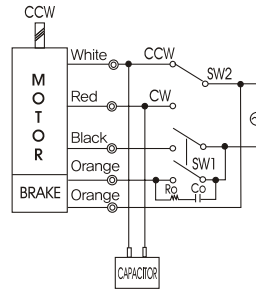
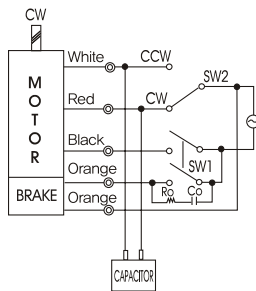
\* If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth of the ratio, between the gearhead and the motor. In this case, the permissible torque is 30N · m/300kgfcm.

\* 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.

## GEARHEADS

### CONNECTION DIAGRAMS

Connect Cr circuit for absorbing surge voltage as connection diagram to protect contact point,  
 $R_o = 5 - 200\Omega$   
 $C_o = 0,1 \sim 0,2\mu F$  200WV(400WV)



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

### DIMENSIONS

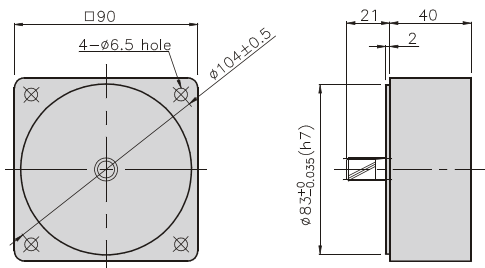
K9P□BU



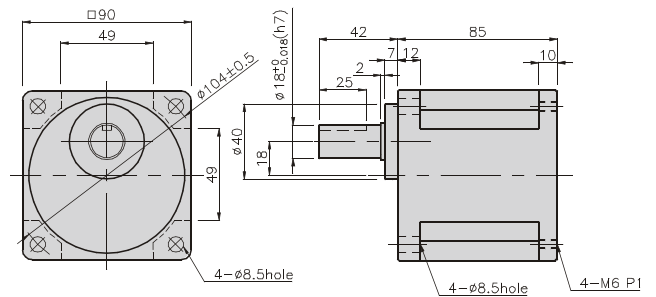
K9P□BUF



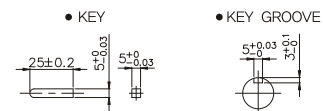
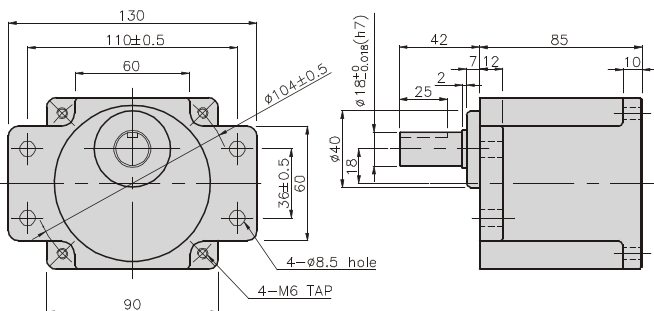
DECIMAL GEARHEAD  
K9P10BX



GEARHEAD  
K9P□BU



GEARHEAD  
K9P□BUF



## GEARHEADS

### 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	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

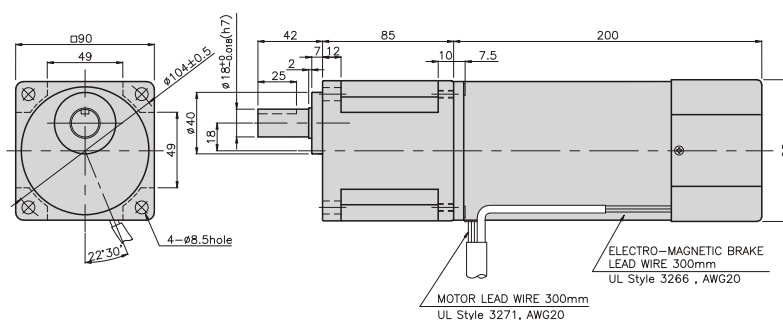
#### DIMENSION TABLE

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

K9RP180F□-B + K9P□BU



K9RP180F□-B + K9P□BUF

