

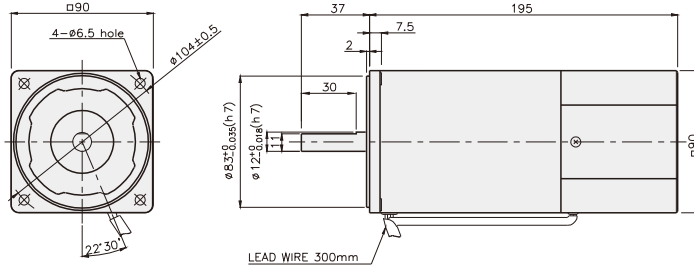
## SPEED CONTROL MOTOR - SP SERIES

### 180W

### □90mm

### INDUCTION MOTOR

K9IS180F□-SP



### SPECIFICATIONS

180W 연속정격, 4극

Model	Voltage (V)	Frequency (Hz)	Speed (rpm)	Permissible Torque		Start T. (N·m/kgf·cm)	Current (A)	Condenser (μF)
				1200 rpm (N·m/kgf·cm)	90 rpm (N·m/kgf·cm)			
K9I□180FJ-SP	100	50	90 ~ 1400	0.9/9	0.35/3.5	0.6/6	5.2	50
		60	90 ~ 1700			0.65/6.5		
K9I□180FU-SP	110	60	90 ~ 1700	0.9/9	0.35/3.5	0.52/5.2	4.8	30
	115					0.55/5.5		
K9I□180FL-SP	200	50	90 ~ 1400	0.9/9	0.3/3	0.5/5	2.2	12
		60	90 ~ 1700			0.42/4.2		
K9I□180FC-SP	220	50	90 ~ 1400	0.9/9	0.3/3	0.45/4.5	2.2	7
		60	90 ~ 1700			0.42/4.2		
	230	50	90 ~ 1400	1/10	0.33/3.3	0.53/5.3	2.4	
		60	90 ~ 1700			0.5/5		
K9I□180FD-SP	240	50	90 ~ 1400	1/10	0.33/3.3	0.6/6	2	8

\* □ : SHAFT 형상(S : STRAIGHT, P : PINION)

### RATED TORQUE OF GEARHEAD

#### ● 단상 100V/115V

단위 = 상단 : N·m / 하단 : kgf·cm

Model	Ratio	Speed(rpm)																								
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	
K9I□180F□-SP K9P□BU, BUF	1200	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	30
	90	0.85	1.02	1.42	1.70	2.13	2.55	2.84	3.19	3.83	4.59	5.10	5.74	6.89	8.27	9.19	11.48	13.78	15.50	18.60	20.67	24.80	30	30	30	30

#### ● 단상 200V/240V

단위 = 상단 : N·m / 하단 : kgf·cm

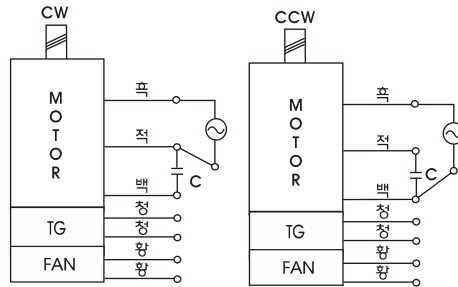
Model	Ratio	Speed(rpm)																									
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200		
K9I□180F□-SP K9P□BU, BUF	1200	200V/220V 50Hz/60Hz	2.19	2.62	3.65	4.37	5.47	6.56	7.29	8.20	9.84	11.81	13.12	14.76	17.71	21.26	23.62	29.52	30	30	30	30	30	30	30	30	30
		230V/50Hz/60Hz 240V/50Hz	2.43	2.92	4.05	4.86	6.08	7.29	8.10	9.11	10.94	13.12	14.58	16.40	19.68	23.62	26.24	30	30	30	30	30	30	30	30	30	30
	90	200V/220V 50Hz/60Hz	0.73	0.87	1.22	1.46	1.82	2.19	2.43	2.73	3.28	3.94	4.37	4.92	5.90	7.09	7.87	9.84	11.81	13.29	15.94	17.71	21.26	26.57	30	30	
		230V/50Hz/60Hz 240V/50Hz	0.80	0.96	1.34	1.60	2.00	2.41	2.41	3.34	4.01	4.81	5.35	5.41	6.50	7.79	8.66	10.83	12.99	14.61	17.54	19.49	23.38	29.23	30	30	

- \* GEARHEAD·DECIMAL GEARHEAD는 별매입니다.
- \* GEARHEAD의 품명중 □에는 감속비가 들어갑니다.
- \*   색이 MOTOR와 같은 방향, 그 외에는 반대 방향입니다.
- \* 표의 감속비보다 더 감속하고자 할 경우는 GEARHEAD와 MOTOR 사이에 감속비 10의 DECIMAL GEARHEAD를 설치할 수 있습니다. 이 경우의 허용 TORQUE는 30 N·m / 300 kgf·cm 입니다.
- \* 회전수는 MOTOR의 동기 회전수 (50 Hz : 1500 rpm, 60 Hz : 1800 rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다. 실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다.

SPEED CONTROL MOTOR - SP SERIES

## GEARHEAD

### CONNECTION DIAGRAMS



※회전방향은 출력축에서 볼경우

### DIMENSIONS

K9P□BU

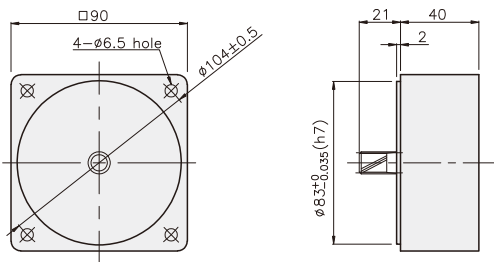


K9P□BUF

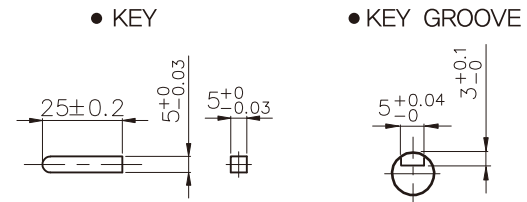


### DECIMAL GEARHEAD

K9P10BX

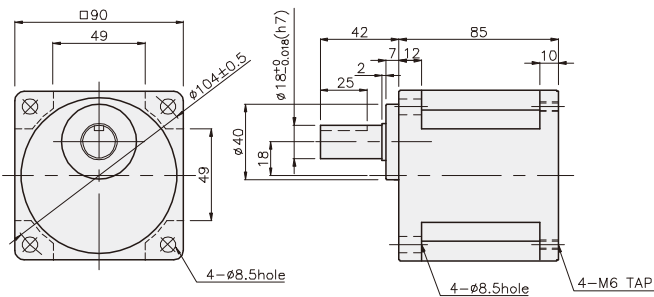


### KEY SPEC

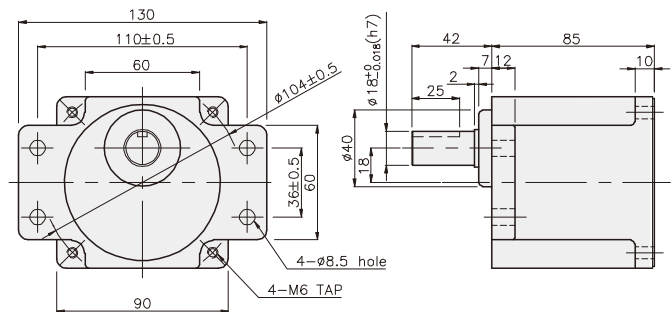


### GEARHEAD

K9P□BU



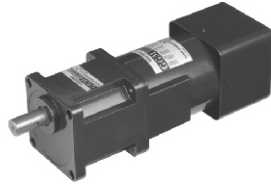
K9P□BUF



## GEARHEAD

### DIMENSIONS

K9IP180F□-SP + K9P□BU



K9IP180F□-SP + K9P□BUF



#### 무게

PART	WEIGHT(kg)
MOTOR	4.24
DECIMAL GEARHEAD	0.62

#### 치수도표

품번	적용기종	취부 BOLT
01	K9P3~200BU	M6 P1.0 X 20
02	K9P10BX	M6 P1.0 X 65

#### 무게

PART	WEIGHT(kg)
K9P3~10BU	1.44
K9P12.5~20BU	1.55
K9P25~60BU	1.69
K9P75~200BU	1.74

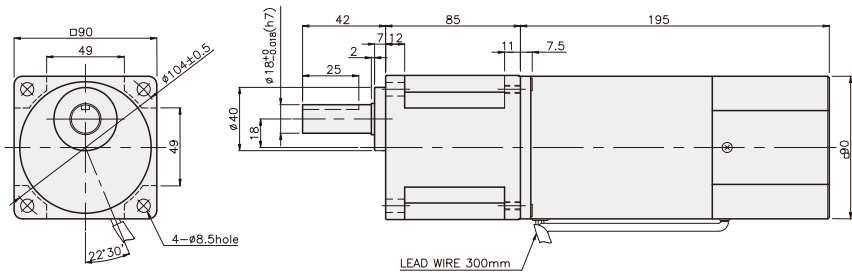
#### 치수도표

품번	적용기종	취부 BOLT
01	K9P3~200BUF	M6 P1.0 X 20
02	K9P10BX	M6 P1.0 X 65

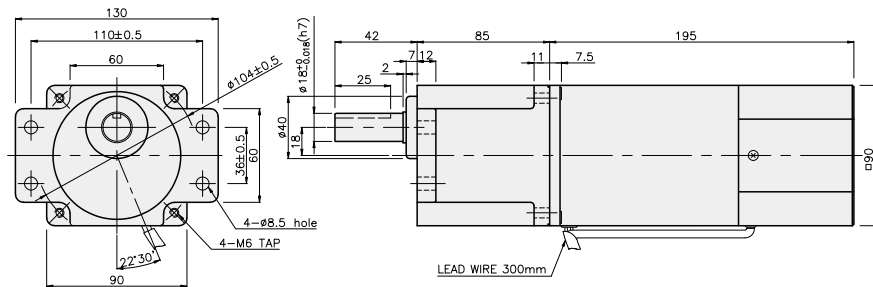
#### 무게

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

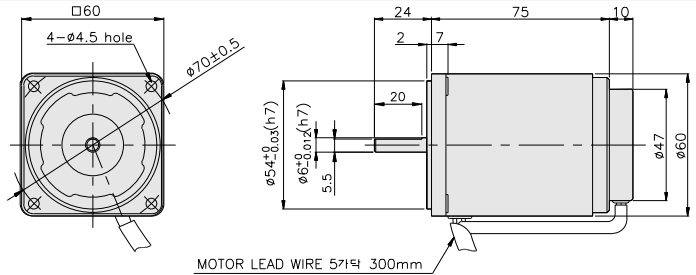


## SPEED CONTROL MOTOR - SP SERIES

**6W**

□60mm

REVERSIBLE MOTOR



### SPECIFICATIONS

6W 30분 정격, 4극

Model	Voltage (V)	Frequency (Hz)	Speed (rpm)	Permissible Torque		Start T. (N·m/kgf·cm)	Current (A)	Condenser (μF)
				1200 rpm (N·m/kgf·cm)	90 rpm (N·m/kgf·cm)			
K6R□6NJ-SP	100	50	90 ~ 1400	0.052/0.52	0.035/0.35	0.027/0.27	0.28	3
		60	90 ~ 1700					
K6R□6NU-SP	110	60	90 ~ 1700	0.052/0.52	0.035/0.35	0.035/0.35	0.32	2.5
	115							
K6R□6NL-SP	200	50	90 ~ 1400	0.06/0.6	0.038/0.38	0.037/0.37	0.2	1
		60	90 ~ 1700					
K6R□6NC-SP	220	50	90 ~ 1400	0.052/0.52	0.03/0.3	0.035/0.35	0.2	0.8
		60	90 ~ 1700			0.033/0.33	0.22	
	230	50	90 ~ 1400	0.06/0.6	0.038/0.38	0.035/0.35	0.2	
		60	90 ~ 1700			0.033/0.33	0.22	
K6R□6ND-SP	240	50	90 ~ 1400	0.052/0.52	0.03/0.3	0.035/0.35	0.22	0.6

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

### RATED TORQUE OF GEARHEAD

#### ● 단상 100V/115V

단위 = 상단 : N·m / 하단 : kgf·cm

Model	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	250
K6R□6N□-SP K6G□B(C)	1200	0.13 1.3	0.15 1.5	0.21 2.1	0.25 2.5	0.32 3.2	0.38 3.8	0.42 4.2	0.53 5.3	0.63 6.3	0.76 7.6	0.76 7.6	0.95 9.5	1.14 11.4	1.36 13.6	1.52 15.2	1.71 17.1	2.05 20.5	2.56 25.6	3 30	3 30	3 30	3 30	3 30	3 30	3 30
	90	0.09 0.9	0.10 1.0	0.14 1.4	0.17 1.7	0.21 2.1	0.26 2.6	0.28 2.8	0.35 3.5	0.43 4.3	0.51 5.1	0.51 5.1	0.64 6.4	0.77 7.7	0.92 9.2	1.02 10.2	1.15 11.5	1.38 13.8	1.72 17.2	2.07 20.7	2.30 23.0	2.76 27.6	3 30	3 30	3 30	3 30

#### ● 단상 200V/240V

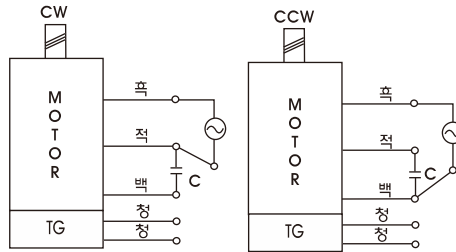
단위 = 상단 : N·m / 하단 : kgf·cm

Model	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	250
K6R□6N□-SP K6G□B(C)	1200	200V/230V 50Hz/60Hz	0.15 1.5	0.17 1.7	0.24 2.4	0.29 2.9	0.36 3.6	0.44 4.4	0.49 4.9	0.61 6.1	0.73 7.3	0.87 8.7	0.87 8.7	1.09 10.9	1.31 13.1	1.57 15.7	1.75 17.5	1.97 19.7	2.36 23.6	2.95 29.5	3 30	3 30	3 30	3 30	3 30	3 30
		220V/50Hz/60Hz 240V/50Hz	0.13 1.3	0.15 1.5	0.21 2.1	0.25 2.5	0.32 3.2	0.38 3.8	0.42 4.2	0.53 5.3	0.63 6.3	0.76 7.6	0.76 7.6	0.95 9.5	1.14 11.4	1.36 13.6	1.52 15.2	1.71 17.1	2.05 20.5	2.56 25.6	3 30	3 30	3 30	3 30	3 30	3 30
	90	200V/230V 50Hz/60Hz	0.09 0.9	0.11 1.1	0.15 1.5	0.18 1.8	0.23 2.3	0.28 2.8	0.31 3.1	0.38 3.8	0.46 4.6	0.55 5.5	0.55 5.5	0.69 6.9	0.83 8.3	1.00 10.0	1.11 11.1	1.25 12.5	1.50 15.0	1.87 18.7	2.24 22.4	2.49 24.9	2.99 29.9	3 30	3 30	3 30
		220V/50Hz/60Hz 240V/50Hz	0.07 0.7	0.09 0.9	0.12 1.2	0.15 1.5	0.18 1.8	0.22 2.2	0.24 2.4	0.30 3.0	0.36 3.6	0.44 4.4	0.44 4.4	0.55 5.5	0.66 6.6	0.79 7.9	0.87 8.7	0.98 9.8	1.18 11.8	1.48 14.8	1.77 17.7	1.97 19.7	2.36 23.6	2.95 29.5	3 30	3 30

- \* GEARHEAD-DECIMAL GEARHEAD는 별매입니다.
- \* GEARHEAD의 품명중 □에는 감속비가 들어갑니다.
- \*    색이 MOTOR와 같은 방향, 그 외에는 반대 방향입니다.
- \* 표의 감속비보다 더 감속하고자 할 경우는 GEARHEAD와 MOTOR 사이에 감속비 10의 DECIMAL GEARHEAD를 설치할 수 있습니다. 이 경우의 허용 TORQUE는 3 N·m / 30 kgf·cm 입니다.
- \* 회전수는 MOTOR의 동기 회전수 (50 Hz : 1500 rpm, 60 Hz : 1800 rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다. 실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다.

## GEARHEAD

### CONNECTION DIAGRAMS



※ 회전방향은 출력축에서 볼 경우

### DIMENSIONS

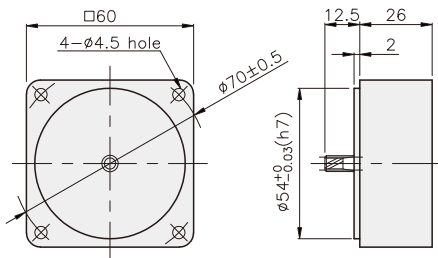
K6G□B(C)



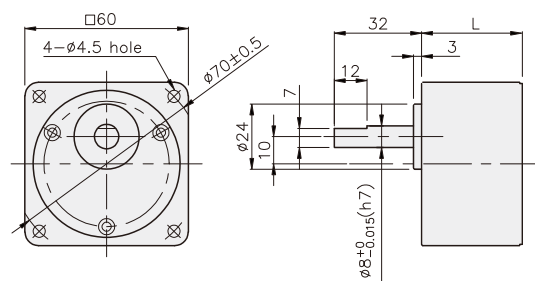
K6RG6N□-SP + K6G□B(C)



DECIMAL GEARHEAD  
K6G10BX



GEARHEAD  
K6G□B(C)



#### 치수도표

품번	L	적용기종	취부 BOLT
01	30	K6G3~18B(C)	M4 P0.7 X 50
02	40	K6G20~250B(C)	M4 P0.7 X 60
03	26	K6G10BX	M4 P0.7 X 85

#### 무게

PART	WEIGHT(kg)	
MOTOR	0.79	
DECIMAL GEARHEAD	0.22	
GEAR HEAD	K6G3~18B(C)	0.26
	K6G20~40B(C)	0.33
	K6G50~250B(C)	0.36

K6RG6N□-SP + K6G□B(C)

