

INDUCTION MOTOR

40W

□90mm

**LEAD WIRE TYPE
TERMINAL BOX TYPE**

K9IS40N□



K9IS40N□-T, T5



SPECIFICATIONS

40W 연속정격, 4극

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N·m/kgf·cm)	Rated T. (N·m/kgf·cm)	Speed (rpm)	Condenser (μF)		
단상	K9I□40NJ(-T, -T5)	100	50	0.86	0.21/2.1	0.315/3.15	1250	12		
			60	0.84	0.22/2.2	0.255/2.55	1550			
	K9I□40NU(-T, -T5)	110	60	50	0.65	0.19/1.9	0.255/2.55	1550	8	
				60	0.68	0.2/2				
	K9I□40NL(-T, -T5)	200	50	50	0.4	0.22/2.2	0.315/3.15	1250	3	
				60	0.41		0.255/2.55	1550		
	K9I□40NC(-T, -T5)	220	50	50	0.38	0.24/2.4	0.315/3.15	1250	2.5	
				60	0.37		0.255/2.55	1550		
				230	50	0.4	0.26/2.6	0.315/3.15		1250
					60	0.38		0.255/2.55		1550
	K9I□40ND(-T, -T5)	240	50	0.39	0.2/2	0.3/3	1300	2		
	삼상	K9I□40NT(-T, -T5)	200	50	0.39	1/10	0.3/3	1300	-	
60				0.32	0.78/7.8	0.245/2.45	1600			
K9I□40NH(-T, -T5)		220	50	50	0.33	0.95/9.5	0.29/2.9	1350	-	
				60	0.31	0.78/7.8	0.245/2.45	1600		
K9I□40NM(-T, -T5)		380	50	50	0.18	1/10	0.29/2.9	1350	-	
				60		0.78/7.8	0.245/2.45	1600		
K9I□40NV(-T, -T5)		400	50	50	0.18	1.15/11.5	0.29/2.9	1350	-	
				60	0.19	0.88/8.8	0.245/2.45	1600		
K9I□40NQ(-T, -T5)		415	50	50	0.16	0.95/9.5	0.29/2.9	1350	-	
				60	0.14	0.72/7.2	0.245/2.45	1600		
K9I□40NZ(-T, -T5)		440	50	50	0.19	1/10	0.29/2.9	1350	-	
				60	0.16	0.79/7.9	0.245/2.45	1600		

* □ : SHAFT 형상 (S : STRAIGHT, G : PINION) * 기종 명 끝에 NU, NH, NH-T, NH-T5 품번은 UL규격 인증 제품입니다. UL FILE NO. E204632
* 삼상 380V이상 사양의 MOTOR는 INVERTER와의 조합에서는 사용 할 수 없습니다. MOTOR 권선의 절연이 열화되어 파손될 가능성이 있습니다.

RATED TORQUE OF GEARHEAD

● 50Hz

단위 = 상단 : N·m / 하단 : kgf·cm

Model	Speed(rpm)	Ratio																							
		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
K9I□40N□(-T, -T5) K9G□B(C)	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
	0.70	0.85	1.17	1.41	1.76	2.11	2.35	2.94	3.52	4.23	4.23	5.29	6.34	7.61	8.46	10	10	10	10	10	10	10	10	10	10
	7.0	8.5	11.7	14.1	17.6	21.1	23.5	29.4	35.2	42.3	42.3	52.9	63.4	76.1	84.6	100	100	100	100	100	100	100	100	100	100

● 60Hz

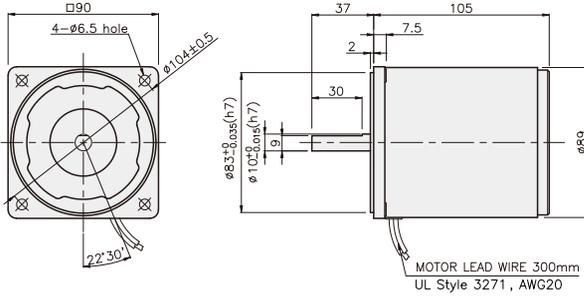
단위 = 상단 : N·m / 하단 : kgf·cm

Model	Speed(rpm)	Ratio																							
		600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
K9I□40N□(-T, -T5) K9G□B(C)	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
	0.60	0.71	0.99	1.19	1.49	1.79	1.98	2.48	2.98	3.57	3.57	4.47	5.36	6.43	7.14	8.04	10	10	10	10	10	10	10	10	10
	6.0	7.1	9.9	11.9	14.9	17.9	19.8	24.8	29.8	35.7	35.7	44.7	53.6	64.3	71.4	80.4	100	100	100	100	100	100	100	100	100

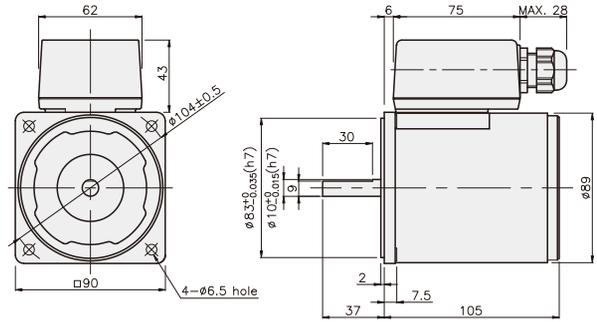
* GEARHEAD-DECIMAL GEARHEAD는 별매입니다.
* GEARHEAD의 품명중 □에는 감속비가 들어갑니다.
* 색이 MOTOR와 같은 방향, 그 외에는 반대 방향입니다.
* 표의 감속비보다 더 감속하고자 할 경우는 GEARHEAD와 MOTOR 사이에 감속비 10의 DECIMAL GEARHEAD를 설치할 수 있습니다. 이 경우의 허용 TORQUE는 10 N·m / 100 kgf·cm 입니다.
* 회전수는 MOTOR의 동기 회전수 (50 Hz : 1500 rpm, 60 Hz : 1800 rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다. 실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다.

DIMENSIONS

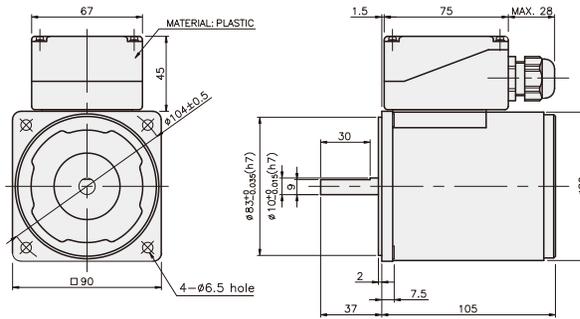
K9IS40N□



K9IS40N□-T

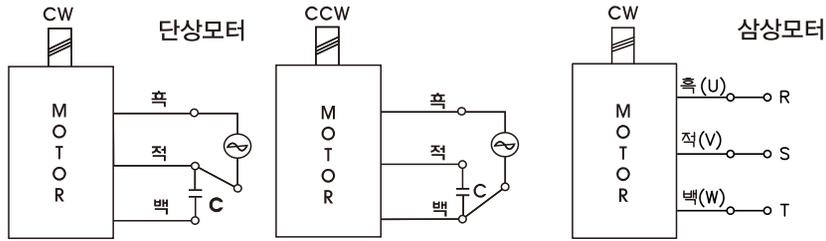


K9IS40N□-T5



CONNECTION DIAGRAMS

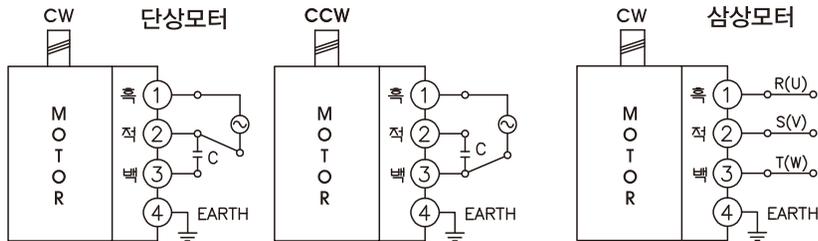
K9IS40N□



회전방향은 출력축에서 볼 경우

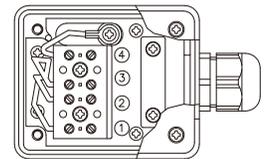
CCW는 U,V,W중 2선을 바꾸어 결선

K9IS40N□-T

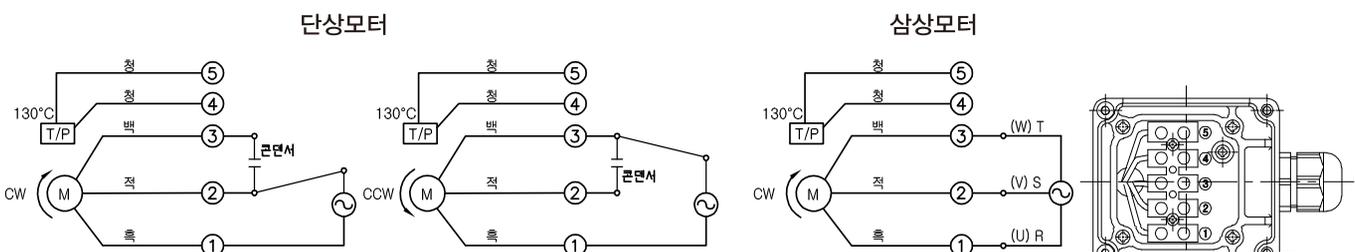


회전방향은 출력축에서 볼 경우

CCW는 U,V,W중 2선을 바꾸어 결선



K9IS40N□-T5



회전방향은 출력축에서 볼 경우

CCW는 U,V,W중 2선을 바꾸어 결선

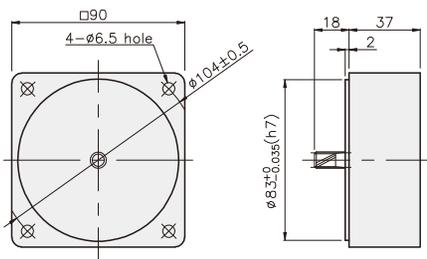
GEARHEAD

DIMENSIONS

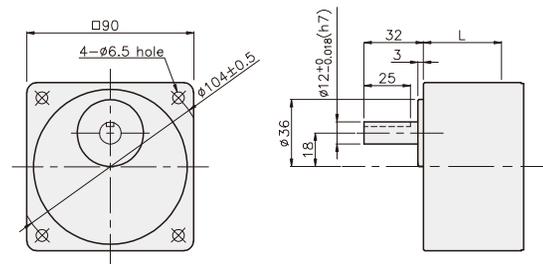
K9G□B(C)



DECIMAL GEARHEAD
K9G10BX



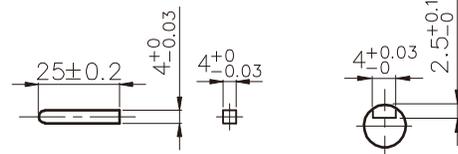
GEARHEAD
K9G□B(C)



KEY SPEC

• KEY

• KEY GROOVE



GEARHEAD

DIMENSIONS

K9IG40N□ + K9G□B(C)



K9IG40N□-T(T5) + K9G□B(C)



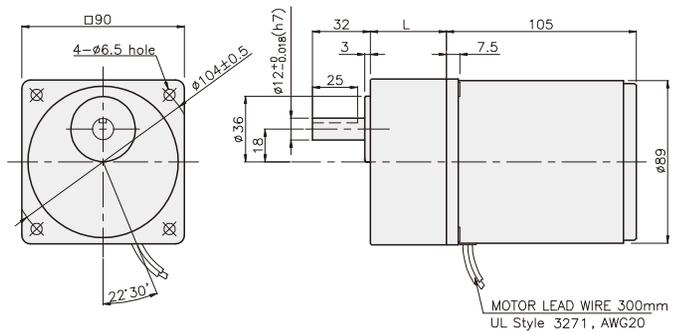
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1,0 X 65
02	60	K9G20~200B(C)	M6 P1,0 X 80
03	37	K9G10BX	M6 P1,0 X 120

무게

PART	WEIGHT(kg)	
MOTOR	2,36	
DECIMAL GEARHEAD	0,60	
GEAR HEAD	K9G3~18B(C)	0,78
	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

K9IG40N□ + K9G□B(C)



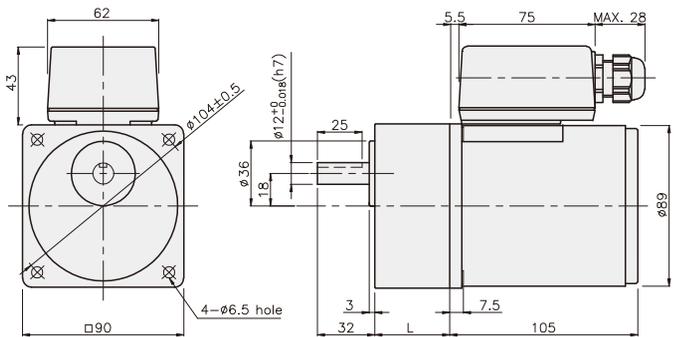
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1,0 X 65
02	60	K9G20~200B(C)	M6 P1,0 X 80
03	37	K9G10BX	M6 P1,0 X 120

무게

PART	WEIGHT(kg)	
MOTOR	2,52	
DECIMAL GEARHEAD	0,60	
GEAR HEAD	K9G3~18B(C)	0,78
	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

K9IG40N□-T + K9G□B(C)



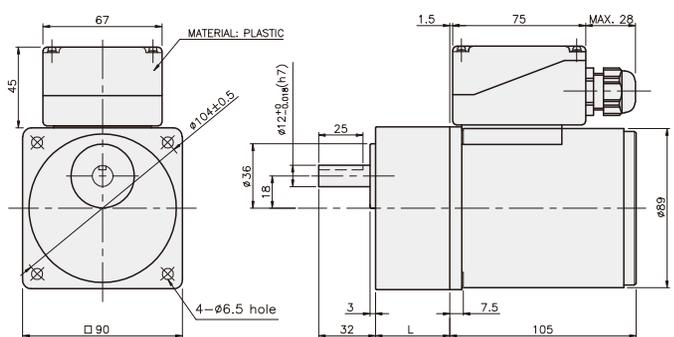
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1,0 X 65
02	60	K9G20~200B(C)	M6 P1,0 X 80
03	37	K9G10BX	M6 P1,0 X 120

무게

PART	WEIGHT(kg)	
MOTOR	2,52	
DECIMAL GEARHEAD	0,60	
GEAR HEAD	K9G3~18B(C)	0,78
	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

K9IG40N□-T5 + K9G□B(C)



REVERSIBLE MOTOR

40W

□90mm

LEAD WIRE TYPE
TERMINAL BOX TYPE

K9RS40N□



K9RS40N□-T, T5



SPECIFICATIONS

40W 30분 정격, 4극

Model	Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N·m/kgf·cm)	Rated T. (N·m/kgf·cm)	Speed (rpm)	Condenser (μF)
K9R□40NJ(-T, -T5)	100	50	1	0,3/3	0,315/3,15	1250	16
		60	1,13	0,33/3,3	0,255/2,55	1550	
K9R□40NU(-T, -T5)	110	60	0,8	0,2/2	0,26/2,6	1500	10
	115		0,83	0,22/2,2			
K9R□40NL(-T, -T5)	200	50	0,45	0,3/3	0,315/3,15	1250	4
		60	0,57		0,26/2,6	1500	
K9R□40NC(-T, -T5)	220	50	0,46	0,3/3	0,315/3,15	1250	3,5
		60	0,55	0,32/3,2	0,26/2,6	1500	
	230	50	0,55	0,4/4	0,315/3,15	1250	
		60	0,58	0,36/3,6	0,26/2,6	1500	
K9R□40ND(-T, -T5)	240	50	0,41	0,34/3,4	0,3/3	1300	3

* □ : SHAFT 형상 (S : STRAIGHT, G : PINION) * 기종 명 끝에 NU 품번은 UL규격 인증 제품입니다. UL FILE NO. E204632

RATED TORQUE OF GEARHEAD

● 50Hz

단위 = 상단 : N·m / 하단 : kgf·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	7,5
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□40N□(-T, -T5) K9G□B(C)	0,73	0,87	1,22	1,46	1,82	2,19	2,43	3,04	3,65	4,37	4,37	5,47	6,56	7,87	8,75	10	10	10	10	10	10	10	10	10	10
	7,3	8,7	12,2	14,6	18,2	21,9	24,3	30,4	36,5	43,7	43,7	54,7	65,6	78,7	87,5	100	100	100	100	100	100	100	100	100	100

● 60Hz

단위 = 상단 : N·m / 하단 : kgf·cm

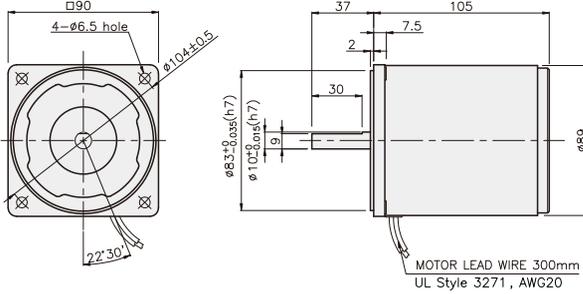
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□40N□(-T, -T5) K9G□B(C)	0,62	0,74	1,03	1,24	1,55	1,86	2,07	2,58	3,10	3,72	3,72	4,65	5,58	6,69	7,44	8,37	10	10	10	10	10	10	10	10	10
	6,2	7,4	10,3	12,4	15,5	18,6	20,7	25,8	31,0	37,2	37,2	46,5	55,8	66,9	74,4	83,7	100	100	100	100	100	100	100	100	100

- * 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 10 N·m / 100 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.

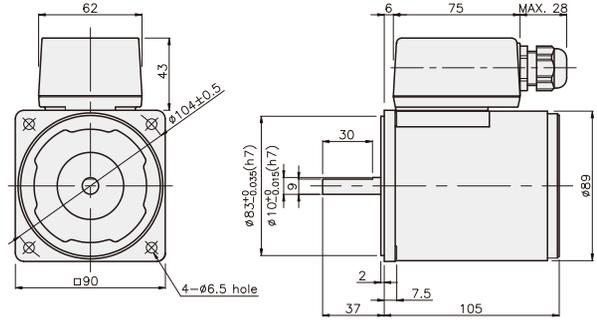
GEARHEAD

DIMENSIONS

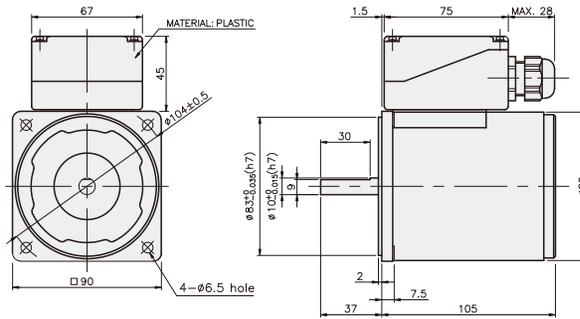
K9RS40N□



K9RS40N□-T

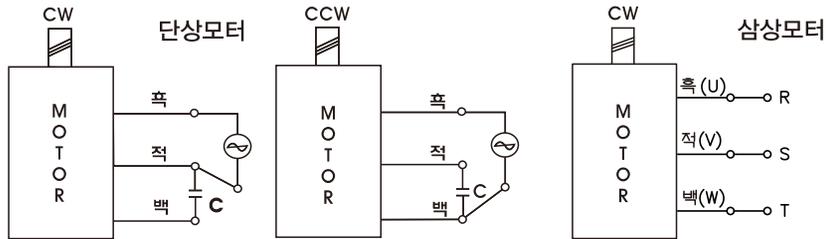


K9RS40N□-T5



CONNECTION DIAGRAMS

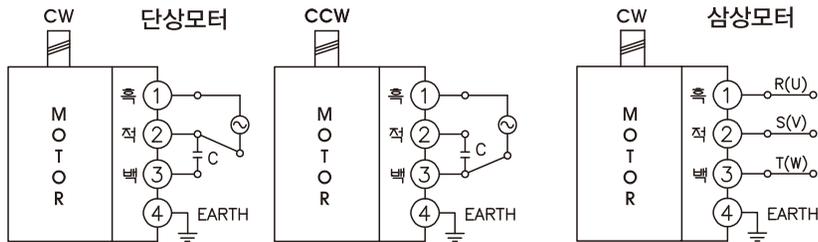
K9RS40N□



회전방향은 출력축에서 볼 경우

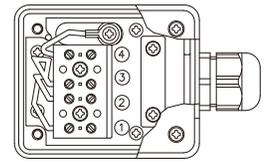
CCW는 U,V,W중 2선을 바꾸어 결선

K9RS40N□-T

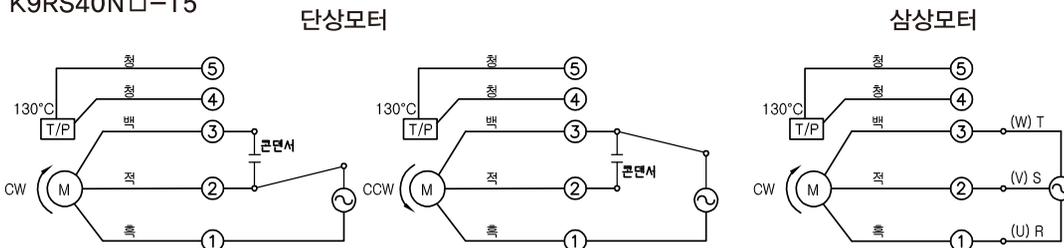


회전방향은 출력축에서 볼 경우

CCW는 U,V,W중 2선을 바꾸어 결선

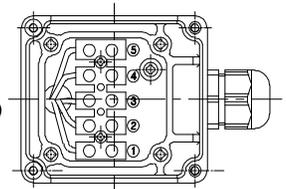


K9RS40N□-T5



회전방향은 출력축에서 볼 경우

CCW는 U,V,W중 2선을 바꾸어 결선



GEARHEAD

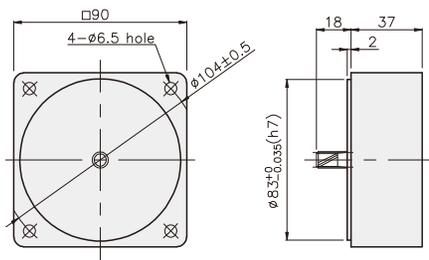
DIMENSIONS

K9G□B(C)



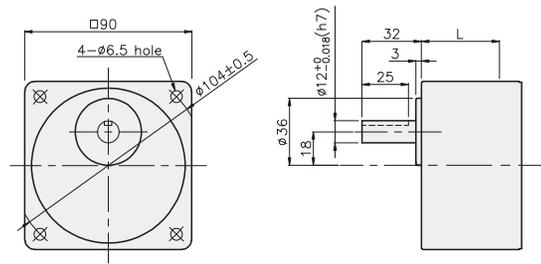
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

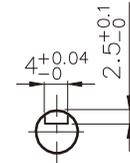
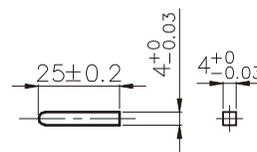
K9G□B(C)



KEY SPEC

● KEY

● KEY GROOVE



GEARHEAD

DIMENSIONS

K9RG40N□ + K9G□B(C)



K9RG40N□-T(-T5) + K9G□B(C)



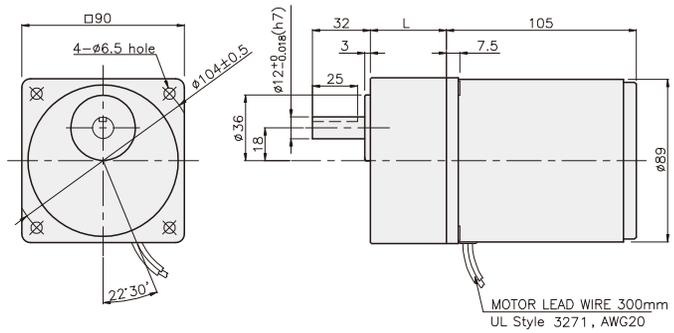
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1,0 X 65
02	60	K9G20~200B(C)	M6 P1,0 X 80
03	37	K9G10BX	M6 P1,0 X 120

무게

PART		WEIGHT(kg)
MOTOR		2,40
DECIMAL GEARHEAD		0,60
GEAR HEAD	K9G3~18B(C)	0,78
	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

K9RG40N□ + K9G□B(C)



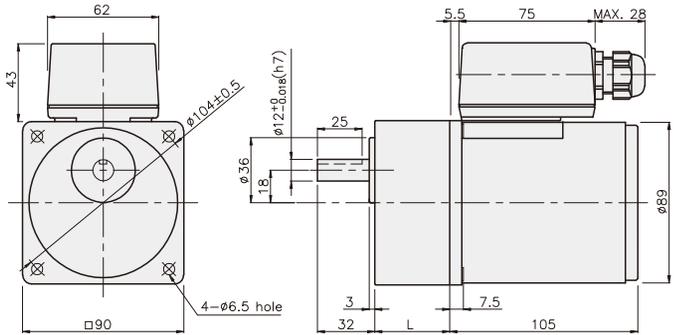
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1,0 X 65
02	60	K9G20~200B(C)	M6 P1,0 X 80
03	37	K9G10BX	M6 P1,0 X 120

무게

PART		WEIGHT(kg)
MOTOR		2,52
DECIMAL GEARHEAD		0,60
GEAR HEAD	K9G3~18B(C)	0,78
	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

K9RG40N□-T + K9G□B(C)



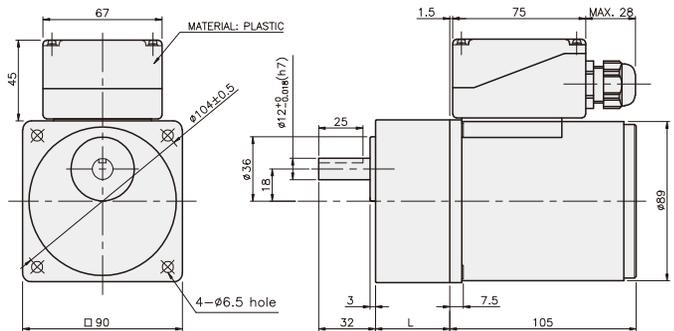
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1,0 X 65
02	60	K9G20~200B(C)	M6 P1,0 X 80
03	37	K9G10BX	M6 P1,0 X 120

무게

PART		WEIGHT(kg)
MOTOR		2,52
DECIMAL GEARHEAD		0,60
GEAR HEAD	K9G3~18B(C)	0,78
	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

K9RG40N□-T5 + K9G□B(C)



INDUCTION MOTOR

40W

□90mm

**LEAD WIRE TYPE
TERMINAL BOX TYPE**

K9IS40N□



K9IS40N□-T, T5



SPECIFICATIONS

40W 연속정격, 4극

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N·m/kgf·cm)	Rated T. (N·m/kgf·cm)	Speed (rpm)	Condenser (μF)			
단상	K9I□40NJ(-T, -T5)	100	50	0.86	0.21/2.1	0.315/3.15	1250	12			
			60	0.84	0.22/2.2	0.255/2.55	1550				
	K9I□40NU(-T, -T5)	110	60	50	0.65	0.19/1.9	0.255/2.55	1550	8		
				60	0.68	0.2/2					
	K9I□40NL(-T, -T5)	200	50	50	0.4	0.22/2.2	0.315/3.15	1250	3		
				60	0.41		0.255/2.55	1550			
	K9I□40NC(-T, -T5)	220	50	50	0.38	0.24/2.4	0.315/3.15	1250	2.5		
				60	0.37		0.255/2.55	1550			
				230	50		0.4	0.26/2.6		0.315/3.15	1250
					60		0.38			0.255/2.55	1550
	K9I□40ND(-T, -T5)	240	50	0.39	0.2/2	0.3/3	1300	2			
	삼상	K9I□40NT(-T, -T5)	200	50	0.39	1/10	0.3/3	1300	-		
60				0.32	0.78/7.8	0.245/2.45	1600				
K9I□40NH(-T, -T5)		220	50	50	0.33	0.95/9.5	0.29/2.9	1350	-		
				60	0.31	0.78/7.8	0.245/2.45	1600			
K9I□40NM(-T, -T5)		380	50	50	0.18	1/10	0.29/2.9	1350	-		
				60		0.78/7.8	0.245/2.45	1600			
K9I□40NV(-T, -T5)		400	50	50	0.18	1.15/11.5	0.29/2.9	1350	-		
				60	0.19	0.88/8.8	0.245/2.45	1600			
K9I□40NQ(-T, -T5)		415	50	50	0.16	0.95/9.5	0.29/2.9	1350	-		
				60	0.14	0.72/7.2	0.245/2.45	1600			
K9I□40NZ(-T, -T5)		440	50	50	0.19	1/10	0.29/2.9	1350	-		
				60	0.16	0.79/7.9	0.245/2.45	1600			

* □ : SHAFT 형상 (S : STRAIGHT, G : PINION) * 기종 명 끝에 NU, NH, NH-T, NH-T5 품번은 UL규격 인증 제품입니다. UL FILE NO. E204632
* 삼상 380V이상 사양의 MOTOR는 INVERTER와의 조합에서는 사용 할 수 없습니다. MOTOR 권선의 절연이 열화되어 파손될 가능성이 있습니다.

RATED TORQUE OF GEARHEAD

● 50Hz

단위 = 상단 : N·m / 하단 : kgf·cm

Model	Speed(rpm)	Ratio																							
		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
K9I□40N□(-T, -T5) K9G□B(C)	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
	0.70	0.85	1.17	1.41	1.76	2.11	2.35	2.94	3.52	4.23	4.23	5.29	6.34	7.61	8.46	10	10	10	10	10	10	10	10	10	10
	7.0	8.5	11.7	14.1	17.6	21.1	23.5	29.4	35.2	42.3	42.3	52.9	63.4	76.1	84.6	100	100	100	100	100	100	100	100	100	100

● 60Hz

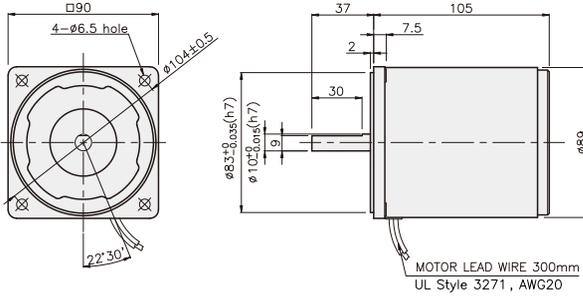
단위 = 상단 : N·m / 하단 : kgf·cm

Model	Speed(rpm)	Ratio																							
		600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
K9I□40N□(-T, -T5) K9G□B(C)	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
	0.60	0.71	0.99	1.19	1.49	1.79	1.98	2.48	2.98	3.57	3.57	4.47	5.36	6.43	7.14	8.04	10	10	10	10	10	10	10	10	10
	6.0	7.1	9.9	11.9	14.9	17.9	19.8	24.8	29.8	35.7	35.7	44.7	53.6	64.3	71.4	80.4	100	100	100	100	100	100	100	100	100

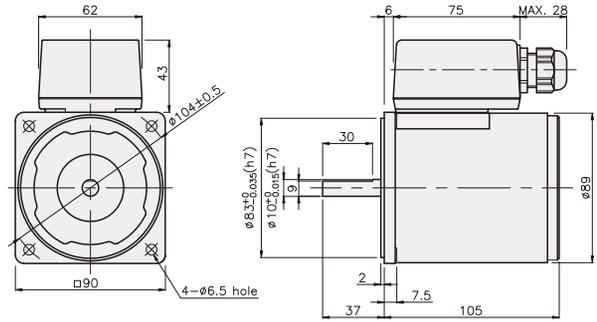
* GEARHEAD-DECIMAL GEARHEAD는 별매입니다.
* GEARHEAD의 품명중 □에는 감속비가 들어갑니다.
* 색이 MOTOR와 같은 방향, 그 외에는 반대 방향입니다.
* 표의 감속비보다 더 감속하고자 할 경우는 GEARHEAD와 MOTOR 사이에 감속비 10의 DECIMAL GEARHEAD를 설치할 수 있습니다. 이 경우의 허용 TORQUE는 10 N·m / 100 kgf·cm 입니다.
* 회전수는 MOTOR의 동기 회전수 (50 Hz : 1500 rpm, 60 Hz : 1800 rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다. 실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다.

DIMENSIONS

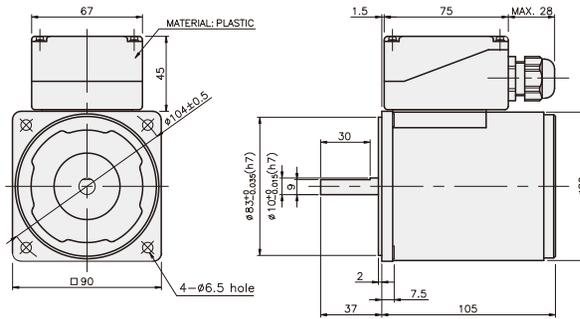
K9IS40N□



K9IS40N□-T

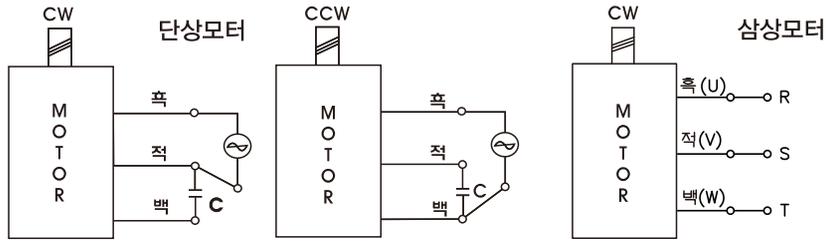


K9IS40N□-T5



CONNECTION DIAGRAMS

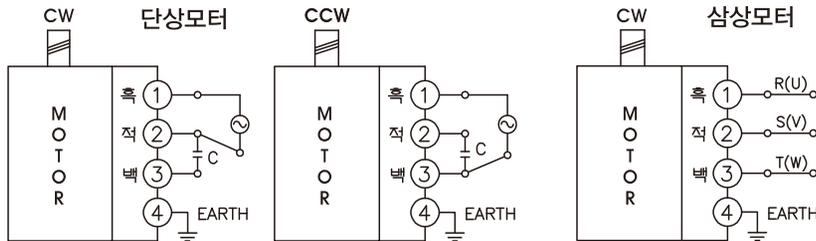
K9IS40N□



회전방향은 출력축에서 볼 경우

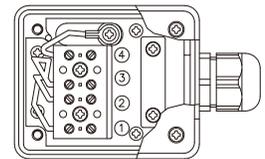
CCW는 U,V,W중 2선을 바꾸어 결선

K9IS40N□-T

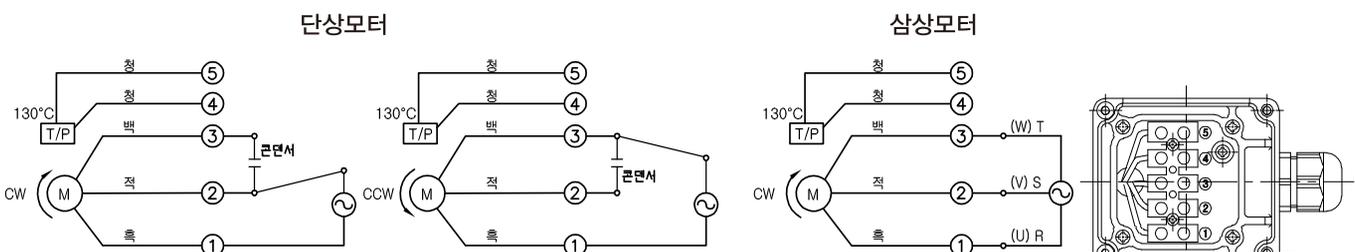


회전방향은 출력축에서 볼 경우

CCW는 U,V,W중 2선을 바꾸어 결선

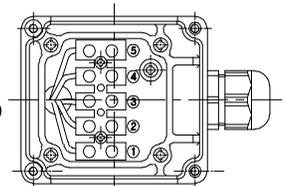


K9IS40N□-T5



회전방향은 출력축에서 볼 경우

CCW는 U,V,W중 2선을 바꾸어 결선



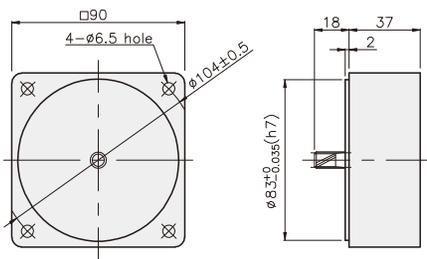
GEARHEAD

DIMENSIONS

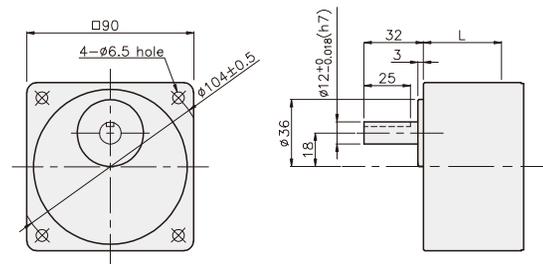
K9G□B(C)



DECIMAL GEARHEAD
K9G10BX



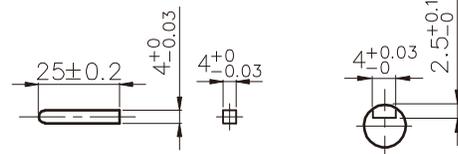
GEARHEAD
K9G□B(C)



KEY SPEC

• KEY

• KEY GROOVE



GEARHEAD

DIMENSIONS

K9IG40N□ + K9G□B(C)



K9IG40N□-T(T5) + K9G□B(C)



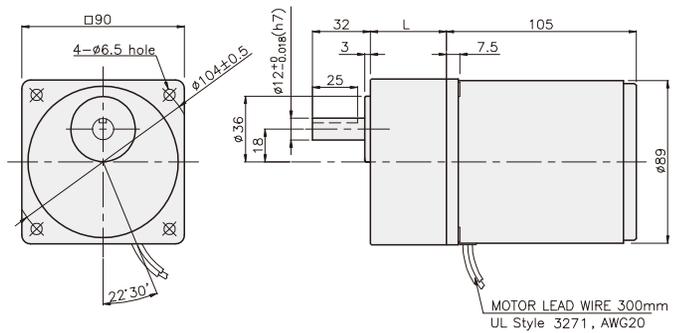
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1,0 X 65
02	60	K9G20~200B(C)	M6 P1,0 X 80
03	37	K9G10BX	M6 P1,0 X 120

무게

PART	WEIGHT(kg)	
MOTOR	2,36	
DECIMAL GEARHEAD	0,60	
GEAR HEAD	K9G3~18B(C)	0,78
	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

K9IG40N□ + K9G□B(C)



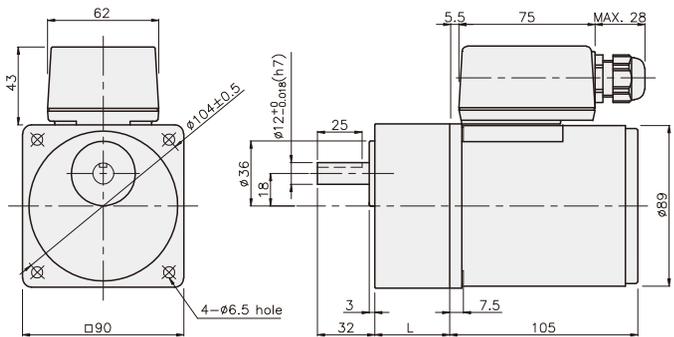
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1,0 X 65
02	60	K9G20~200B(C)	M6 P1,0 X 80
03	37	K9G10BX	M6 P1,0 X 120

무게

PART	WEIGHT(kg)	
MOTOR	2,52	
DECIMAL GEARHEAD	0,60	
GEAR HEAD	K9G3~18B(C)	0,78
	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

K9IG40N□-T + K9G□B(C)



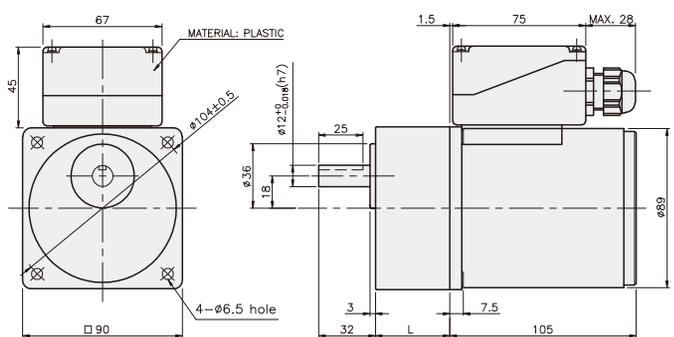
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1,0 X 65
02	60	K9G20~200B(C)	M6 P1,0 X 80
03	37	K9G10BX	M6 P1,0 X 120

무게

PART	WEIGHT(kg)	
MOTOR	2,52	
DECIMAL GEARHEAD	0,60	
GEAR HEAD	K9G3~18B(C)	0,78
	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

K9IG40N□-T5 + K9G□B(C)



REVERSIBLE MOTOR

40W

□90mm

LEAD WIRE TYPE
TERMINAL BOX TYPE

K9RS40N□



K9RS40N□-T, T5



SPECIFICATIONS

40W 30분 정격, 4극

Model	Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N·m/kgf·cm)	Rated T. (N·m/kgf·cm)	Speed (rpm)	Condenser (μF)
K9R□40NJ(-T, -T5)	100	50	1	0,3/3	0,315/3,15	1250	16
		60	1,13	0,33/3,3	0,255/2,55	1550	
K9R□40NU(-T, -T5)	110	60	0,8	0,2/2	0,26/2,6	1500	10
	115		0,83	0,22/2,2			
K9R□40NL(-T, -T5)	200	50	0,45	0,3/3	0,315/3,15	1250	4
		60	0,57		0,26/2,6	1500	
K9R□40NC(-T, -T5)	220	50	0,46	0,3/3	0,315/3,15	1250	3,5
		60	0,55	0,32/3,2	0,26/2,6	1500	
	230	50	0,55	0,4/4	0,315/3,15	1250	
		60	0,58	0,36/3,6	0,26/2,6	1500	
K9R□40ND(-T, -T5)	240	50	0,41	0,34/3,4	0,3/3	1300	3

* □ : SHAFT 형상 (S : STRAIGHT, G : PINION) * 기종 명 끝에 NU 품번은 UL규격 인증 제품입니다. UL FILE NO. E204632

RATED TORQUE OF GEARHEAD

● 50Hz

단위 = 상단 : N·m / 하단 : kgf·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	7,5
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□40N□(-T, -T5) K9G□B(C)	0,73	0,87	1,22	1,46	1,82	2,19	2,43	3,04	3,65	4,37	4,37	5,47	6,56	7,87	8,75	10	10	10	10	10	10	10	10	10	10
	7,3	8,7	12,2	14,6	18,2	21,9	24,3	30,4	36,5	43,7	43,7	54,7	65,6	78,7	87,5	100	100	100	100	100	100	100	100	100	100

● 60Hz

단위 = 상단 : N·m / 하단 : kgf·cm

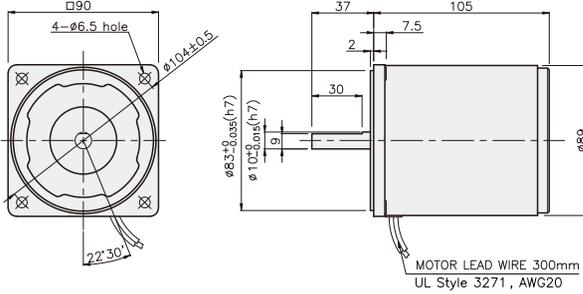
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3,6	5	6	7,5	9	10	12,5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□40N□(-T, -T5) K9G□B(C)	0,62	0,74	1,03	1,24	1,55	1,86	2,07	2,58	3,10	3,72	3,72	4,65	5,58	6,69	7,44	8,37	10	10	10	10	10	10	10	10	10
	6,2	7,4	10,3	12,4	15,5	18,6	20,7	25,8	31,0	37,2	37,2	46,5	55,8	66,9	74,4	83,7	100	100	100	100	100	100	100	100	100

- * 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 10 N·m / 100 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.

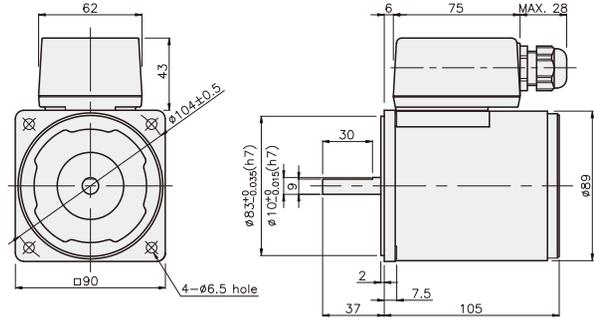
GEARHEAD

DIMENSIONS

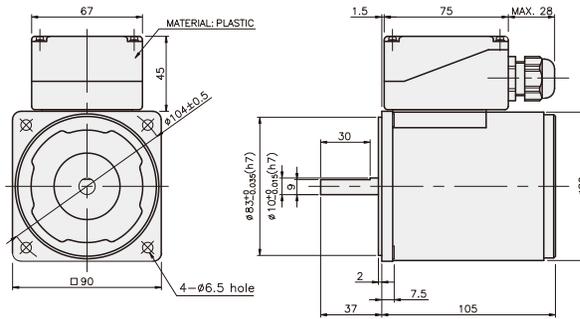
K9RS40N□



K9RS40N□-T

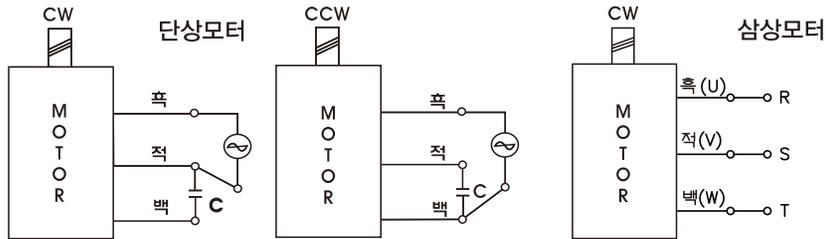


K9RS40N□-T5



CONNECTION DIAGRAMS

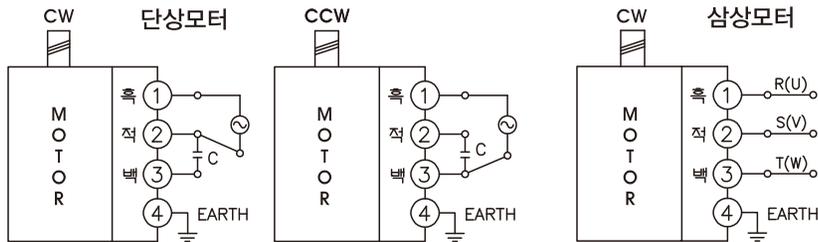
K9RS40N□



회전방향은 출력축에서 볼 경우

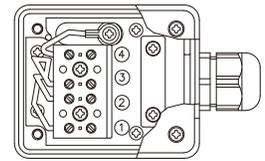
CCW는 U,V,W중 2선을 바꾸어 결선

K9RS40N□-T

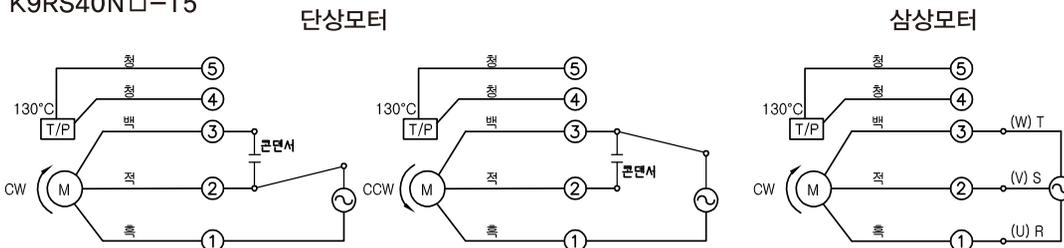


회전방향은 출력축에서 볼 경우

CCW는 U,V,W중 2선을 바꾸어 결선

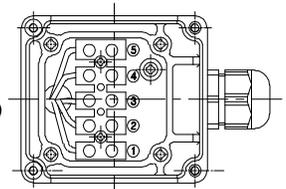


K9RS40N□-T5



회전방향은 출력축에서 볼 경우

CCW는 U,V,W중 2선을 바꾸어 결선



GEARHEAD

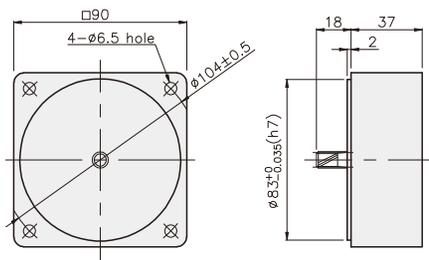
DIMENSIONS

K9G□B(C)



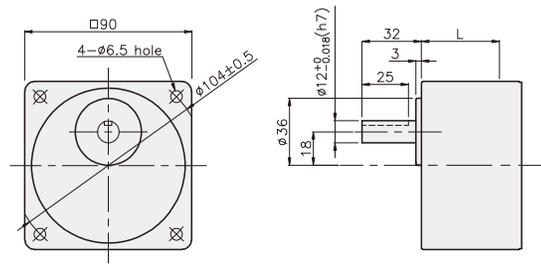
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

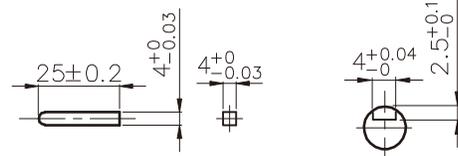
K9G□B(C)



KEY SPEC

● KEY

● KEY GROOVE



GEARHEAD

DIMENSIONS

K9RG40N□ + K9G□B(C)



K9RG40N□-T(-T5) + K9G□B(C)



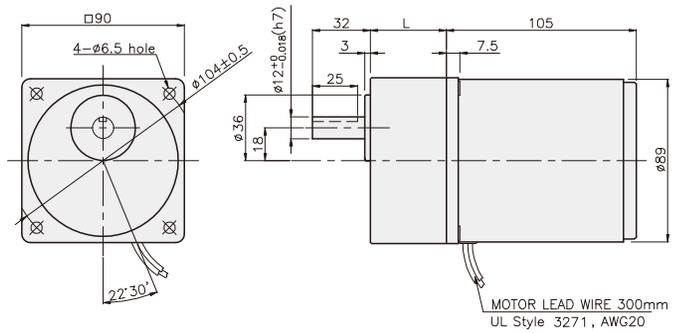
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1,0 X 65
02	60	K9G20~200B(C)	M6 P1,0 X 80
03	37	K9G10BX	M6 P1,0 X 120

무게

PART	WEIGHT(kg)	
MOTOR	2,40	
DECIMAL GEARHEAD	0,60	
GEAR HEAD	K9G3~18B(C)	0,78
	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

K9RG40N□ + K9G□B(C)



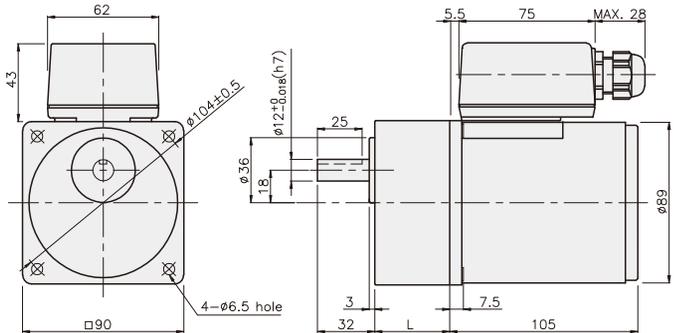
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1,0 X 65
02	60	K9G20~200B(C)	M6 P1,0 X 80
03	37	K9G10BX	M6 P1,0 X 120

무게

PART	WEIGHT(kg)	
MOTOR	2,52	
DECIMAL GEARHEAD	0,60	
GEAR HEAD	K9G3~18B(C)	0,78
	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

K9RG40N□-T + K9G□B(C)



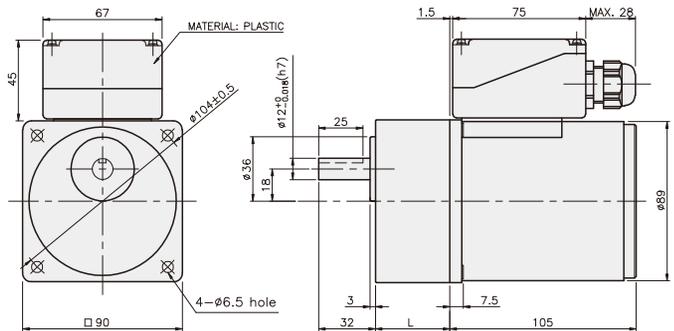
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1,0 X 65
02	60	K9G20~200B(C)	M6 P1,0 X 80
03	37	K9G10BX	M6 P1,0 X 120

무게

PART	WEIGHT(kg)	
MOTOR	2,52	
DECIMAL GEARHEAD	0,60	
GEAR HEAD	K9G3~18B(C)	0,78
	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

K9RG40N□-T5 + K9G□B(C)

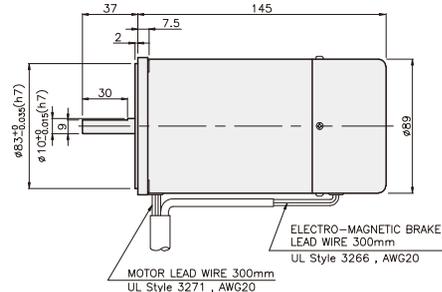
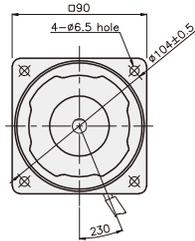


BRAKE MOTOR

40W

□90mm

K9□S40N□-B



SPECIFICATIONS

40W 단상 : 30분 정격, 삼상 : 연속정격, 4극

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□40NJ-B K9R□40NU-B K9R□40NL-B K9R□40NC-B K9R□40ND-B	단상 30분	100	50	1	0.3/3	0.315/3.15	1250	16	1/10		
			60	1.13	0.33/3.3	0.255/2.55	1550				
		K9R□40NU-B	110	60	0.8	0.2/2	0.26/2.6	1500	10	1/10	
					115	0.83					0.22/2.2
		K9R□40NL-B	200	50	0.45	0.3/3	0.315/3.15	1250	4	1/10	
					60						0.57
		K9R□40NC-B	220	50	0.46	0.3/3	0.315/3.15	1250	3.5	1/10	
					60	0.55	0.32/3.2	0.26/2.6			1500
				230	50	0.55	0.4/4	0.315/3.15			1250
					60	0.58	0.36/3.6	0.26/2.6			1500
		K9R□40ND-B	240	50	0.41	0.34/3.4	0.3/3	1300	3	1/10	
		K9I□40NT-B K9I□40NH-B K9I□40NM-B K9I□40NV-B K9I□40NQ-B K9I□40NZ-B	삼상 연속	200	50	0.39	1/10	0.3/3	1300	-	1/10
60	0.32				0.78/7.8	0.245/2.45	1600				
K9I□40NH-B	220			50	0.33	0.95/9.5	0.29/2.9	1350	-	1/10	
					60	0.31	0.78/7.8	0.245/2.45			1600
K9I□40NM-B	230			50	0.41	1/10	0.29/2.9	1350	-	1/10	
					60	0.32	0.83/8.3	0.245/2.45			1600
K9I□40NV-B	380			50	0.18	1/10	0.29/2.9	1350	-	1/10	
					60	0.18	0.78/7.8	0.245/2.45			1600
K9I□40NV-B	400			50	0.18	1.15/11.5	0.29/2.9	1350	-	1/10	
					60	0.19	0.88/8.8	0.245/2.45			1600
K9I□40NQ-B	415			50	0.16	0.95/9.5	0.29/2.9	1350	-	1/10	
					60	0.14	0.72/7.2	0.245/2.45			1600
K9I□40NZ-B	440	50	0.19	1/10	0.29/2.9	1350	-	1/10			
			60	0.16	0.79/7.9	0.245/2.45			1600		

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

* 삼상 380V이상 사양의 MOTOR는 INVERTER와의 조합에서는 사용 할 수 없습니다. MOTOR 권선의 절연이 열화되어 파손될 가능성이 있습니다.

RATED TORQUE OF GEARHEAD

● 50Hz

단위 = 상단 : N·m / 하단 : kgf·cm

Model Motor/ Gearhead	Speed(rpm) Ratio	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
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9□G40N□-B K9G□B(C)	0.70	0.85	1.17	1.41	1.76	2.11	2.35	2.94	3.52	4.23	4.23	5.29	6.34	7.61	8.46	10	10	10	10	10	10	10	10	10	10
	7.0	8.5	11.7	14.1	17.6	21.1	23.5	29.4	35.2	42.3	42.3	52.9	63.4	76.1	84.6	100	100	100	100	100	100	100	100	100	100

● 60Hz

단위 = 상단 : N·m / 하단 : kgf·cm

Model Motor/ Gearhead	Speed(rpm) Ratio	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9□G40N□-B K9G□B(C)	0.60	0.71	0.99	1.19	1.49	1.79	1.98	2.48	2.98	3.57	3.57	4.47	5.36	6.43	7.14	8.04	10	10	10	10	10	10	10	10	10
	6.0	7.1	9.9	11.9	14.9	17.9	19.8	24.8	29.8	35.7	35.7	44.7	53.6	64.3	71.4	80.4	100	100	100	100	100	100	100	100	100

* GEARHEAD-DECIMAL GEARHEAD는 별매입니다.

* GEARHEAD의 품명중 □에는 감속비가 들어갑니다.

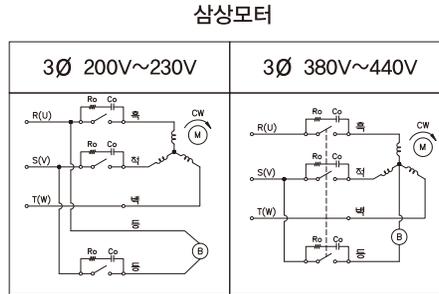
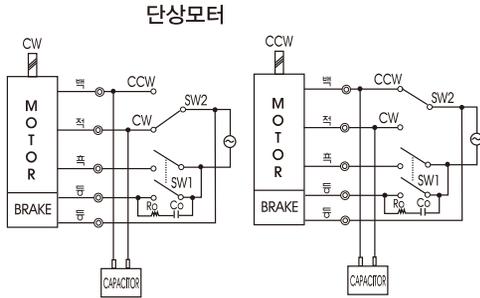
* 색이 MOTOR와 같은 방향, 그 외에는 반대 방향입니다.

* 표의 감속비보다 더 감속하고자 할 경우는 GEARHEAD와 MOTOR 사이에 감속비 10의 DECIMAL GEARHEAD를 설치할 수 있습니다. 이 경우의 허용 TORQUE는 10 N·m / 100 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



CCW는 U,V,W중
2선을 바꾸어 결선

※ 회전방향은 출력축에서 볼 경우

점점 보호를 위해 결선도와 같이 서지(Surge) 전압 흡수용 Cr 회로를 접속하여 주십시오.

Ro = 5 - 200Ω

Co = 0.1 ~ 0.2μF 200WV(400WV)

DIMENSIONS

K9G□B(C)

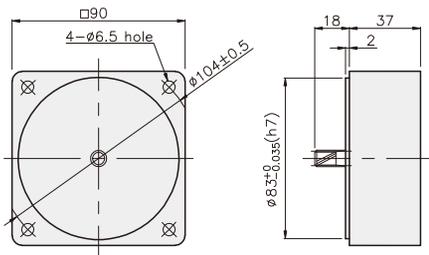


K9□G40N□-B + K9G□B(C)



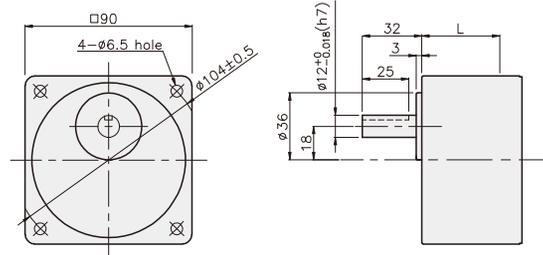
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

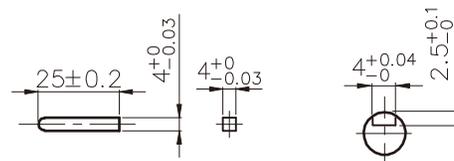
K9G□B(C)



KEY SPEC

● KEY

● KEY GROOVE



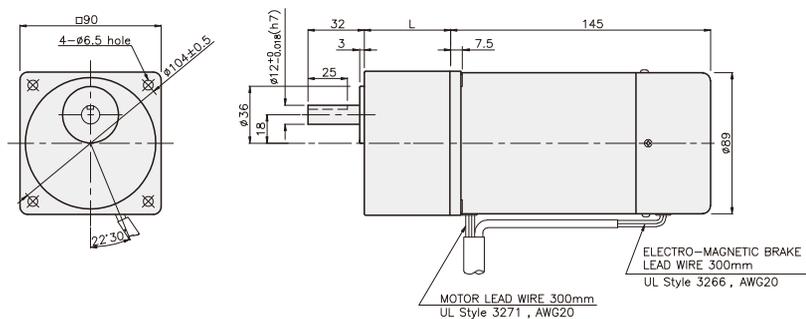
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1.0 X 65
02	60	K9G20~200B(C)	M6 P1.0 X 80
03	37	K9G10BX	M6 P1.0 X 120

무게

PART	WEIGHT(kg)	
MOTOR	2.86	
DECIMAL GEARHEAD	0.60	
GEAR HEAD	K9G3~18B(C)	0.78
	K9G20~40B(C)	1.04
	K9G50~200B(C)	1.14

K9□G40N□-B + K9G□B(C)



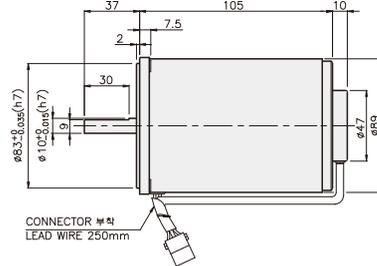
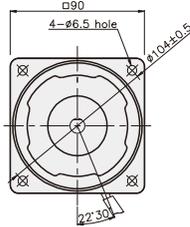
SPEED CONTROL MOTOR - SU SERIES

40W

□90mm

INDUCTION MOTOR

K9IS40N□-SU



SPECIFICATIONS

40W 연속정격, 4극

Model	Voltage (V)	Frequency (Hz)	Speed (rpm)	Permissible Torque		Start T. (N·m/kgf·cm)	Current (A)	Condenser (μF)
				1200 rpm	90 rpm			
				(N·m/kgf·cm)	(N·m/kgf·cm)			
K9I□40NJ-SU	100	50	90 ~ 1400	0.26/2.6	0.07/0.7	0.14/1.4	1.3	12
			90 ~ 1700					
K9I□40NU-SU	110	60	90 ~ 1700	0.26/2.6	0.07/0.7	0.13/1.3	1.1	8
	115							
K9I□40NL-SU	200	50	90 ~ 1400	0.3/3	0.063/0.63	0.14/1.4	0.6	3
		60	90 ~ 1700	0.23/2.3			0.62	
K9I□40NC-SU	220	50	90 ~ 1400	0.3/3	0.063/0.63	0.14/1.4	0.58	2.5
		60	90 ~ 1700	0.23/2.3		0.13/1.3	0.62	
	230	50	90 ~ 1400	0.3/3		0.14/1.4	0.6	
		60	90 ~ 1700	0.23/2.3		0.13/1.3	0.62	
K9I□40ND-SU	240	50	90 ~ 1400	0.3/3	0.063/0.63	0.13/1.3	0.6	2

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

RATED TORQUE OF GEARHEAD

● 단상 100V/115V

단위 = 상단 : N·m / 하단 : kgf·cm

Model	Ratio	Speed(rpm)	Ratio																								
			3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	
K9I□40N□-SU K9G□B(C)	1200	6.3	0.76	1.05	1.26	1.58	1.90	2.11	2.63	3.16	3.79	3.79	4.74	5.69	6.82	7.58	8.53	10	10	10	10	10	10	10	10	10	10
		1.7	2.0	2.8	3.4	4.3	5.1	5.7	7.1	8.5	10.2	10.2	12.8	15.3	18.4	20.4	23.0	27.6	34.4	41.3	45.9	55.1	68.9	82.7	91.9	91.9	

● 단상 200V/240V

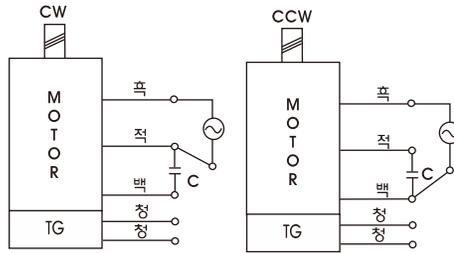
단위 = 상단 : N·m / 하단 : kgf·cm

Model	Ratio	Speed(rpm)	Ratio																							
			3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□40N□-SU K9G□B(C)	1200	7.3	0.87	1.22	1.46	1.82	2.19	2.43	3.04	3.65	4.37	4.37	5.47	6.56	7.87	8.75	10	10	10	10	10	10	10	10	10	10
		5.6	6.7	9.3	11.2	14.0	16.8	18.6	23.3	27.9	33.5	33.5	41.9	50.3	60.4	67.1	83.8	100	100	100	100	100	100	100	100	100
	1.5	1.8	2.6	3.1	3.8	4.6	5.1	6.4	7.7	9.2	9.2	11.5	13.8	16.5	18.4	20.7	24.8	31.0	37.2	41.3	49.6	62.0	74.4	82.7	82.7	

- * 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 10 N·m / 100 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

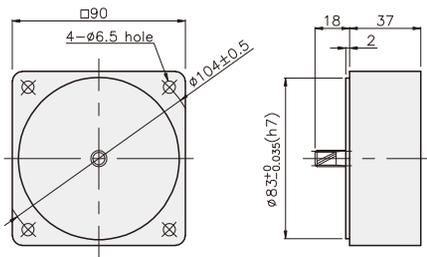
K9G□B(C)

K9IG40N□-SU + K9G□B(C)



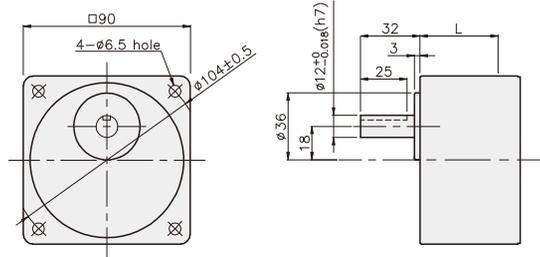
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

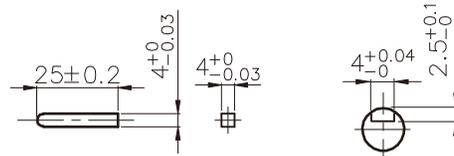
K9G□B(C)



KEY SPEC

● KEY

● KEY GROOVE



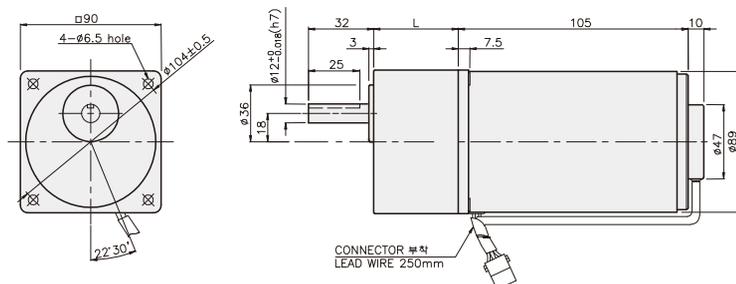
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1.0 X 65
02	60	K9G20~200B(C)	M6 P1.0 X 80
03	37	K9G10BX	M6 P1.0 X 120

무게

PART	WEIGHT(kg)	
MOTOR	2.48	
DECIMAL GEARHEAD	0.60	
GEAR HEAD	K9G3-18B(C)	0.78
	K9G20-40B(C)	1.04
	K9G50-200B(C)	1.14

K9IG40N□-SU + K9G□B(C)



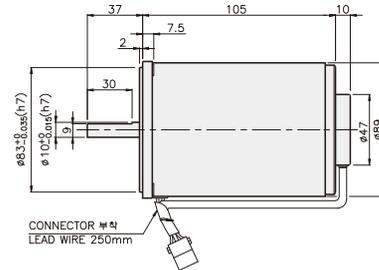
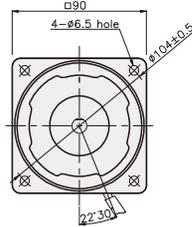
SPEED CONTROL MOTOR - SU SERIES

40W

□90mm

REVERSIBLE MOTOR

K9RS40N□-SU



SPECIFICATIONS

40W 30분 정격, 4극

Model	Voltage (V)	Frequency (Hz)	Speed (rpm)	Permissible Torque		Start T. (N·m/kgf·cm)	Current (A)	Condenser (μF)
				1200rpm (N·m/kgf·cm)	90rpm (N·m/kgf·cm)			
K9R□40NJ-SU	100	50	90 ~ 1400	0.3/3	0.075/0.75	0.17/1.7	1.5	16
		60	90 ~ 1700			0.18/1.8		
K9R□40NU-SU	110	60	90 ~ 1700	0.33/3.3	0.07/0.7	0.14/1.4	1.5	10
	115					1.3		
K9R□40NL-SU	200	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.17/1.7	0.65	4
		60	90 ~ 1700	0.26/2.6		0.72		
K9R□40NC-SU	220	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.17/1.7	0.6	3.5
		60	90 ~ 1700	0.26/2.6		0.16/1.6	0.64	
		50	90 ~ 1400	0.33/3.3		0.17/1.7	0.6	
		60	90 ~ 1700	0.26/2.6		0.16/1.6	0.64	
K9R□40ND-SU	240	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.16/1.6	0.63	3

※ □ : 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
K9R□40N□-SU K9G□B(C)	1200	0.63 6.3	0.76 7.6	1.05 10.5	1.26 12.6	1.58 15.8	1.90 19.0	2.11 21.1	2.63 26.3	3.16 31.6	3.79 37.9	3.79 37.9	4.74 47.4	5.69 56.9	6.82 68.2	7.58 75.8	8.53 85.3	10 100							
	90	0.17 1.7	0.20 2.0	0.28 2.8	0.34 3.4	0.43 4.3	0.51 5.1	0.57 5.7	0.71 7.1	0.85 8.5	1.02 10.2	1.02 10.2	1.28 12.8	1.53 15.3	1.84 18.4	2.04 20.4	2.30 23.0	2.76 27.6	3.44 34.4	4.13 41.3	4.59 45.9	5.51 55.1	6.89 68.9	8.27 82.7	9.19 91.9

● 단상 200V/240V

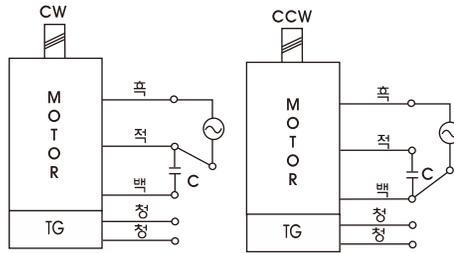
단위 = 상단 : N·m / 하단 : kgf·cm

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	
K9R□40N□-SU K9G□B(C)	1200	200V/220V 230V/240V 50Hz	0.73 7.3	0.87 8.7	1.22 12.2	1.46 14.6	1.82 18.2	2.19 21.9	2.43 24.3	3.04 30.4	3.65 36.5	4.37 43.7	4.37 43.7	5.47 54.7	6.56 65.6	7.87 78.7	8.75 87.5	10 100								
		200V/220V 230V/60Hz	0.56 5.6	0.67 6.7	0.93 9.3	1.12 11.2	1.40 14.0	1.68 16.8	1.86 18.6	2.33 23.3	2.79 27.9	3.35 33.5	3.35 33.5	4.19 41.9	5.03 50.3	6.04 60.4	6.71 67.1	8.38 83.8	10 100							
	90	200V/220V 230V/60Hz	0.15 1.5	0.18 1.8	0.26 2.6	0.31 3.1	0.38 3.8	0.46 4.6	0.51 5.1	0.64 6.4	0.77 7.7	0.92 9.2	0.92 9.2	1.15 11.5	1.38 13.8	1.65 16.5	1.84 18.4	2.07 20.7	2.48 24.8	3.10 31.0	3.72 37.2	4.13 41.3	4.96 49.6	6.20 62.0	7.44 74.4	8.27 82.7
		200V/220V 230V/50Hz	0.15 1.5	0.18 1.8	0.26 2.6	0.31 3.1	0.38 3.8	0.46 4.6	0.51 5.1	0.64 6.4	0.77 7.7	0.92 9.2	0.92 9.2	1.15 11.5	1.38 13.8	1.65 16.5	1.84 18.4	2.07 20.7	2.48 24.8	3.10 31.0	3.72 37.2	4.13 41.3	4.96 49.6	6.20 62.0	7.44 74.4	8.27 82.7

- * GEARHEAD-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 10 N·m / 100 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

K9G□B(C)

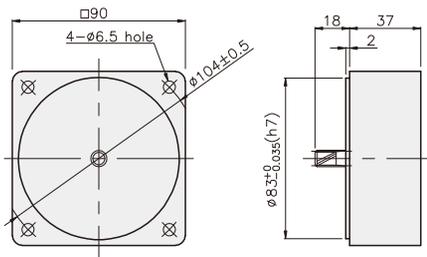


K9RG40N□-SU + K9G□B(C)



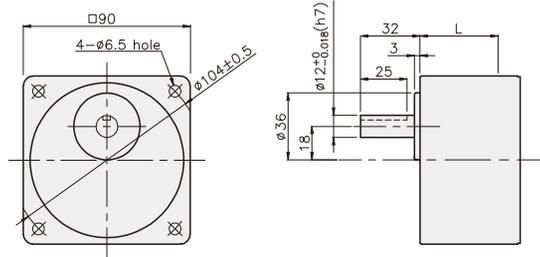
DECIMAL GEARHEAD

K9G10BX



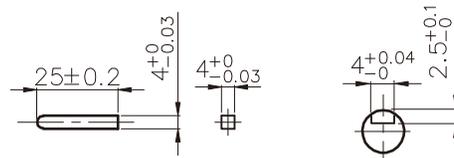
GEARHEAD

K9G□B(C)



KEY SPEC

- KEY
- KEY GROOVE



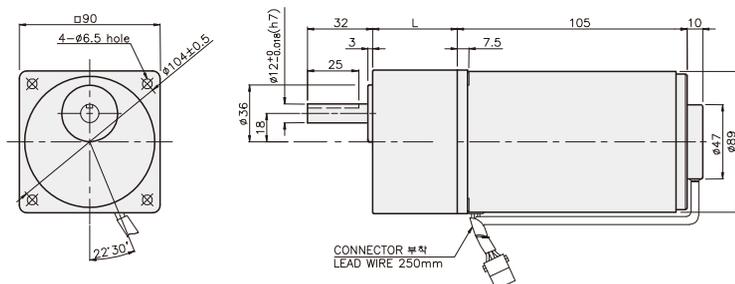
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1.0 × 65
02	60	K9G20~200B(C)	M6 P1.0 × 80
03	37	K9G10BX	M6 P1.0 × 120

무게

PART	WEIGHT(kg)	
MOTOR	2.48	
DECIMAL GEARHEAD	0.60	
GEAR HEAD	K9G3~18B(C)	0.78
	K9G20~40B(C)	1.04
	K9G50~200B(C)	1.14

K9RG40N□-SU + K9G□B(C)



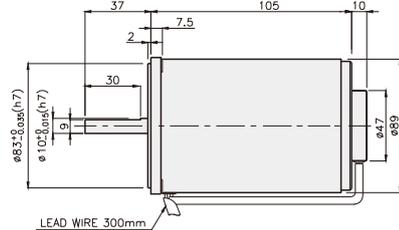
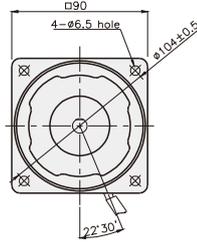
SPEED CONTROL MOTOR - SP SERIES

40W

□90mm

INDUCTION MOTOR

K9IS40N□-SP



SPECIFICATIONS

40W 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□40NJ-SP	100	50	90 ~ 1400	0.26/2.6	0.07/0.7	0.14/1.4	1.3	12
		60	90 ~ 1700					
K9I□40NU-SP	110	60	90 ~ 1700	0.26/2.6	0.07/0.7	0.13/1.3	1.1	8
	115							
K9I□40NL-SP	200	50	90 ~ 1400	0.3/3	0.063/0.63	0.14/1.4	0.6	3
		60	90 ~ 1700	0.23/2.3			0.62	
K9I□40NC-SP	220	50	90 ~ 1400	0.3/3	0.063/0.63	0.14/1.4	0.58	2.5
		60	90 ~ 1700	0.23/2.3		0.13/1.3	0.62	
		50	90 ~ 1400	0.3/3		0.14/1.4	0.6	
		60	90 ~ 1700	0.23/2.3		0.13/1.3	0.62	
K9I□40ND-SP	240	50	90 ~ 1400	0.3/3	0.063/0.63	0.13/1.3	0.6	2

* □ : SHAFT 형상(S : STRAIGHT, G : 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□40N□-SP K9G□B(C)	1200	0.63 6.3	0.76 7.6	1.05 10.5	1.26 12.6	1.58 15.8	1.90 19.0	2.11 21.1	2.63 26.3	3.16 31.6	3.79 37.9	4.74 47.4	5.69 56.9	6.82 68.2	7.58 75.8	8.53 85.3	10 100								
	90	0.17 1.7	0.20 2.0	0.28 2.8	0.34 3.4	0.43 4.3	0.51 5.1	0.57 5.7	0.71 7.1	0.85 8.5	1.02 10.2	1.02 10.2	1.28 12.8	1.53 15.3	1.84 18.4	2.04 20.4	2.30 23.0	2.76 27.6	3.44 34.4	4.13 41.3	4.59 45.9	5.51 55.1	6.89 68.9	8.27 82.7	9.19 91.9

● 단상 200V/240V

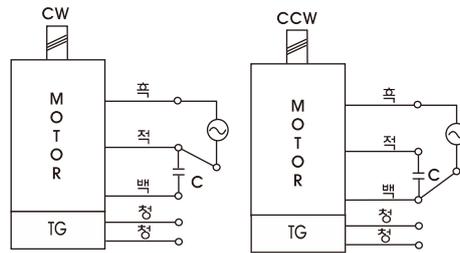
단위 = 상단 : N·m / 하단 : kgf·cm

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□40N□-SP K9G□B(C)	1200	200V/220V/ 230V/240V 50Hz	0.73 7.3	0.87 8.7	1.22 12.2	1.46 14.6	1.82 18.2	2.19 21.9	2.43 24.3	3.04 30.4	3.65 36.5	4.37 43.7	4.37 43.7	5.47 54.7	6.56 65.6	7.87 78.7	8.75 87.5	10 100	10 100							
		200V/220V/ 230V/240V 60Hz	0.56 5.6	0.67 6.7	0.93 9.3	1.12 11.2	1.40 14.0	1.68 16.8	1.86 18.6	2.33 23.3	2.79 27.9	3.35 33.5	3.35 33.5	4.19 41.9	5.03 50.3	6.04 60.4	6.71 67.1	8.38 83.8	10 100	10 100						
	90	0.15 1.5	0.18 1.8	0.26 2.6	0.31 3.1	0.38 3.8	0.46 4.6	0.51 5.1	0.64 6.4	0.77 7.7	0.92 9.2	0.92 9.2	1.15 11.5	1.38 13.8	1.65 16.5	1.84 18.4	2.07 20.7	2.48 24.8	3.10 31.0	3.72 37.2	4.13 41.3	4.96 49.6	6.20 62.0	7.44 74.4	8.27 82.7	

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- * 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

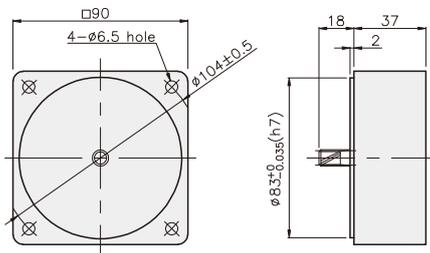
DIMENSIONS

K9G□B(C)

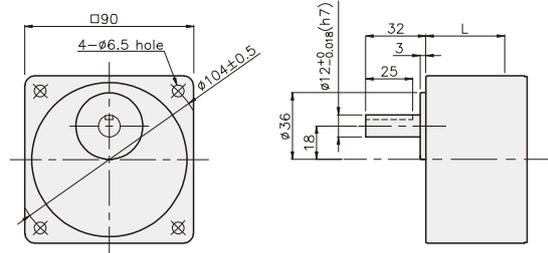
K9IG40N□-SP + K9G□B(C)



DECIMAL GEARHEAD
K9G10BX



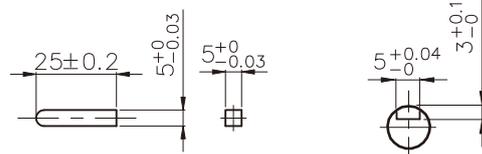
GEARHEAD
K9G□B(C)



KEY SPEC

● KEY

● KEY GROOVE



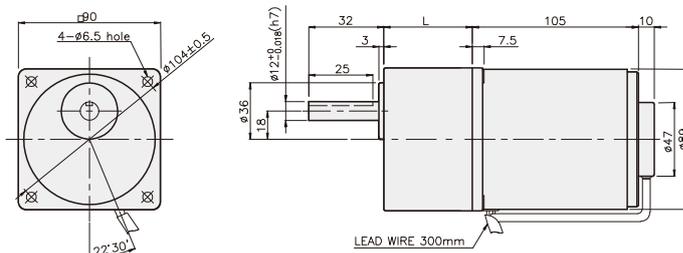
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1,0 X 65
02	60	K9G20~200B(C)	M6 P1,0 X 80
03	37	K9G10BX	M6 P1,0 X 120

무게

PART	WEIGHT(kg)	
MOTOR	2,48	
DECIMAL GEARHEAD	0,60	
GEAR HEAD	K9G3~18B(C)	0,78
	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

K9IG40N□-SP + K9G□B(C)



LEAD WIRE 300mm

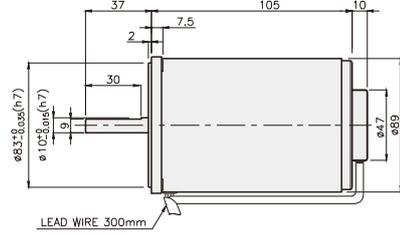
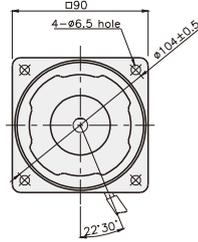
SPEED CONTROL MOTOR - SP SERIES

40W

□90mm

REVERSIBLE MOTOR

K9RS40N□-SP



SPECIFICATIONS

40W 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)			
K9R□40NJ-SP	100	50	90 ~ 1400	0.3/3	0.075/0.75	0.17/1.7	1.5	16
			90 ~ 1700					
K9R□40NU-SP	110	60	90 ~ 1700	0.3/3	0.070/75	0.14/1.4	1.5	10
	115						1.3	
K9R□40NL-SP	200	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.17/1.7	0.65	4
			90 ~ 1700				0.26/2.6	
K9R□40NC-SP	220	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.17/1.7	0.6	3.5
			90 ~ 1700				0.26/2.6	
		60	90 ~ 1400	0.33/3.3			0.6	
			90 ~ 1700	0.26/2.6			0.64	
K9R□40ND-SP	240	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.16/1.6	0.63	3

* □ : SHAFT 형상(S : STRAIGHT, G : 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
K9R□40N□-SP K9G□B(C)	1200	0.73 7.3	0.87 8.7	1.22 12.2	1.46 14.6	1.82 18.2	2.19 21.9	2.43 24.3	3.04 30.4	3.65 36.5	4.37 43.7	4.37 43.7	5.47 54.7	6.56 65.6	7.87 78.7	8.75 87.5	9.84 98.4	10 100	10 100						
	90	0.18 1.8	0.22 2.2	0.30 3.0	0.36 3.6	0.46 4.6	0.55 5.5	0.61 6.1	0.76 7.6	0.91 9.1	1.09 10.9	1.09 10.9	1.37 13.7	1.64 16.4	1.97 19.7	2.19 21.9	2.46 24.6	2.95 29.5	3.69 36.9	4.43 44.3	4.92 49.2	5.90 59.0	7.38 73.8	8.86 88.6	10 100

● 단상 200V/240V

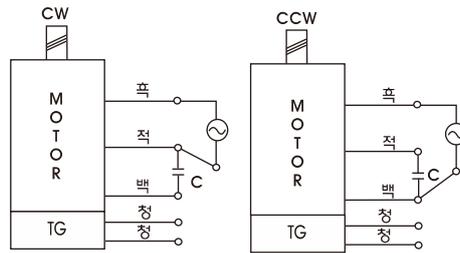
단위 = 상단 : N·m / 하단 : kgf·cm

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
K9R□40N□-SP K9G□B(C)	1200	200V/220V/230V 240V/50Hz	0.80 8.0	0.96 9.6	1.34 13.4	1.60 16.0	2.00 20.0	2.41 24.1	2.67 26.7	3.34 33.4	4.01 40.1	4.81 48.1	4.81 48.1	6.01 60.1	7.22 72.2	8.66 86.6	9.62 96.2	10 100							
		200V/220V 230V/60Hz	0.63 6.3	0.76 7.6	1.05 10.5	1.26 12.6	1.58 15.8	1.90 19.0	2.11 21.1	2.63 26.3	3.16 31.6	3.79 37.9	3.79 37.9	4.74 47.4	5.69 56.9	6.82 68.2	7.58 75.8	8.53 85.3	10 100						
	90	0.17 1.7	0.20 2.0	0.28 2.8	0.34 3.4	0.43 4.3	0.51 5.1	0.57 5.7	0.71 7.1	0.85 8.5	1.02 10.2	1.02 10.2	1.28 12.8	1.53 15.3	1.84 18.4	2.04 20.4	2.30 23.0	2.76 27.6	3.44 34.4	4.13 41.3	4.59 45.9	5.51 55.1	6.89 68.9	8.27 82.7	9.19 91.9

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- * 표의 감속비보다 더 감속하고자 할 경우는 GEARHEAD와 MOTOR 사이에 감속비 10의 DECIMAL GEARHEAD를 설치할 수 있습니다. 이 경우의 허용 TORQUE는 10 N·m / 100 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

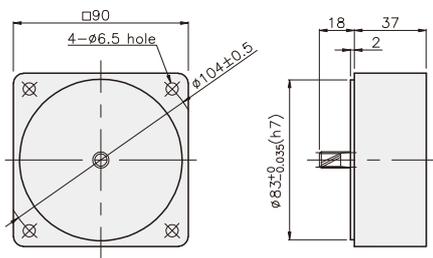
K9G□B(C)

K9RG40N□-SP + K9G□B(C)



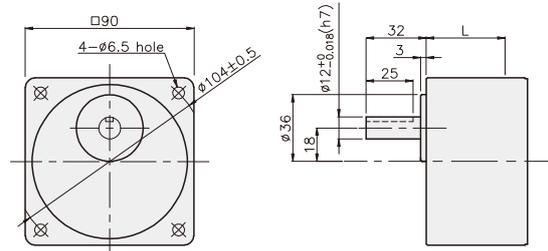
DECIMAL GEARHEAD

K9G10BX



GEARHEAD

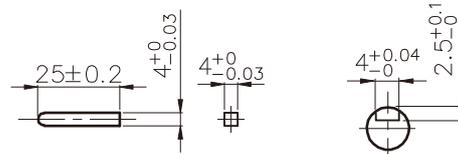
K9G□B(C)



KEY SPEC

● KEY

● KEY GROOVE



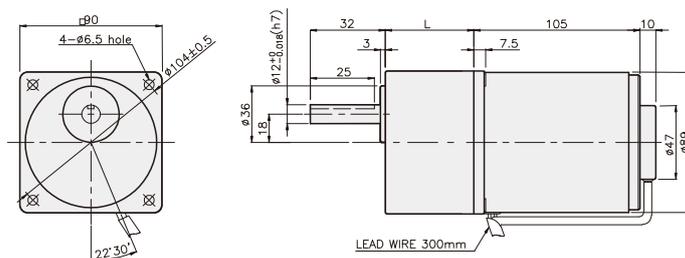
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1,0 X 65
02	60	K9G20~200B(C)	M6 P1,0 X 80
03	37	K9G10BX	M6 P1,0 X 120

무게

PART	WEIGHT(kg)	
MOTOR	2,48	
DECIMAL GEARHEAD	0,60	
GEAR HEAD	K9G3~18B(C)	0,78
	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

K9RG40N□-SP + K9G□B(C)

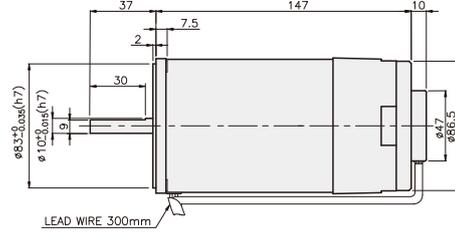
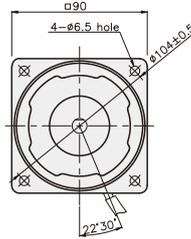


SPEED CONTROL & BRAKE MOTOR

40W

□90mm

K9RS40N□-D



SPECIFICATIONS

40W 30분 정격, 4극

Model	Voltage (V)	Frequency (Hz)	Speed Range (rpm)	Permissible Torque		Start T. (N·m/kgf·cm)	Current (A)	Condenser (μF)	Friction T. (N·m/kgf·cm)
				1200 rpm (N·m/kgf·cm)	90 rpm (N·m/kgf·cm)				
K9R□40NJ-D	100	50	90 ~ 1400	0.3/3	0.075/0.75	0.17/1.7	1.5	16	1/10
		60	90 ~ 1700			0.18/1.8	1.6		
K9R□40NU-D	110	60	90 ~ 1700	0.3/3	0.075/0.75	0.14/1.4	1.5	10	1/10
	115						1.3		
K9R□40NL-D	200	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.17/1.7	0.65	4	1/10
		60	90 ~ 1700	0.26/2.6			0.72		
K9R□40NC-D	220	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.17/1.7	0.6	3.5	1/10
		60	90 ~ 1700	0.26/2.6			0.64		
		50	90 ~ 1400	0.33/3.3			0.6		
		60	90 ~ 1700	0.26/2.6			0.64		
K9R□40ND-D	240	50	90 ~ 1400	0.33/3.3	0.07/0.7	0.16/1.6	0.63	3	1/10

* □ : SHAFT 형상(S : STRAIGHT, G : 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
K9R□40N□-D K9G□B(C)	1200	0.73 7.3	0.87 8.7	1.22 12.2	1.46 14.6	1.82 18.2	2.19 21.9	2.43 24.3	3.04 30.4	3.65 36.5	4.37 43.7	4.37 43.7	5.47 54.7	6.56 65.6	7.87 78.7	8.75 87.5	9.84 98.4	10 100	10 100						
	90	0.18 1.8	0.22 2.2	0.30 3.0	0.36 3.6	0.46 4.6	0.55 5.5	0.61 6.1	0.76 7.6	0.91 9.1	1.09 10.9	1.09 10.9	1.37 13.7	1.64 16.4	1.97 19.7	2.19 21.9	2.46 24.6	2.95 29.5	3.69 36.9	4.43 44.3	4.92 49.2	5.90 59.0	7.38 73.8	8.86 88.6	10 100

● 단상 200V/240V

단위 = 상단 : N·m / 하단 : kgf·cm

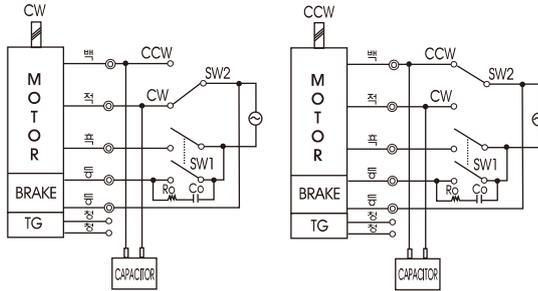
Model	Ratio	Speed (rpm)																							
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9R□40N□-D K9G□B(C)	1200	200V/220V/230V 240V/50Hz	0.80 8.0	0.96 9.6	1.34 13.4	1.60 16.0	2.00 20.0	2.41 24.1	2.67 26.7	3.34 33.4	4.01 40.1	4.81 48.1	4.81 48.1	6.01 60.1	7.22 72.2	8.66 86.6	9.62 96.2	10 100							
		200V/220V 230V/60Hz	0.63 6.3	0.76 7.6	1.05 10.5	1.26 12.6	1.58 15.8	1.90 19.0	2.11 21.1	2.63 26.3	3.16 31.6	3.79 37.9	3.79 37.9	4.74 47.4	5.69 56.9	6.82 68.2	7.58 75.8	8.53 85.3	10 100						
	90	0.17 1.7	0.20 2.0	0.28 2.8	0.34 3.4	0.43 4.3	0.51 5.1	0.57 5.7	0.71 7.1	0.85 8.5	1.02 10.2	1.02 10.2	1.28 12.8	1.53 15.3	1.84 18.4	2.04 20.4	2.30 23.0	2.76 27.6	3.44 34.4	4.13 41.3	4.59 45.9	5.51 55.1	6.89 68.9	8.27 82.7	9.19 91.9

- * GEARHEAD·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 10 N·m / 100 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

접점 보호를 위해 결선도와 같이 서지(Surge) 전압 흡수용 Cr 회로를 접속하여 주십시오.
 $R_o = 5 - 200\Omega$
 $C_o = 0.1 \sim 0.2\mu F \ 200WV(400WV)$



※ 회전방향은 출력축에서 볼 경우

DIMENSIONS

K9G□B(C)

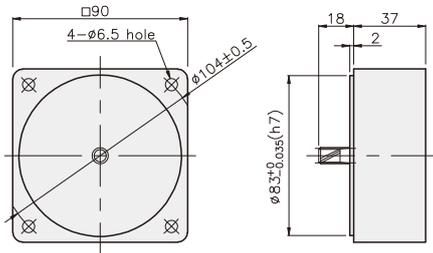


K9RG40N□-D + K9G□B(C)



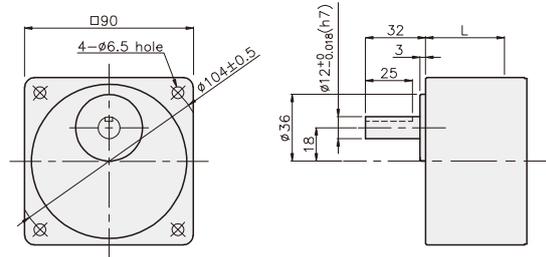
DECIMAL GEARHEAD

K9G10BX



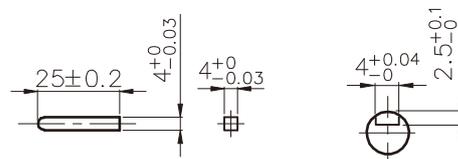
GEARHEAD

K9G□B(C)



KEY SPEC

- KEY
- KEY GROOVE



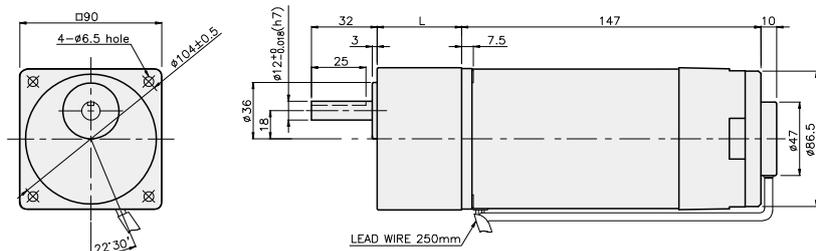
치수도표

품번	L	적용기종	취부 BOLT
01	42	K9G3~18B(C)	M6 P1,0 X 65
02	60	K9G20~200B(C)	M6 P1,0 X 80
03	37	K9G10BX	M6 P1,0 X 120

무게

PART	WEIGHT(kg)	
MOTOR	2,98	
DECIMAL GEARHEAD	0,60	
GEAR HEAD	K9G3~18B(C)	0,78
	K9G20~40B(C)	1,04
	K9G50~200B(C)	1,14

K9RG40N□-D + K9G□B(C)



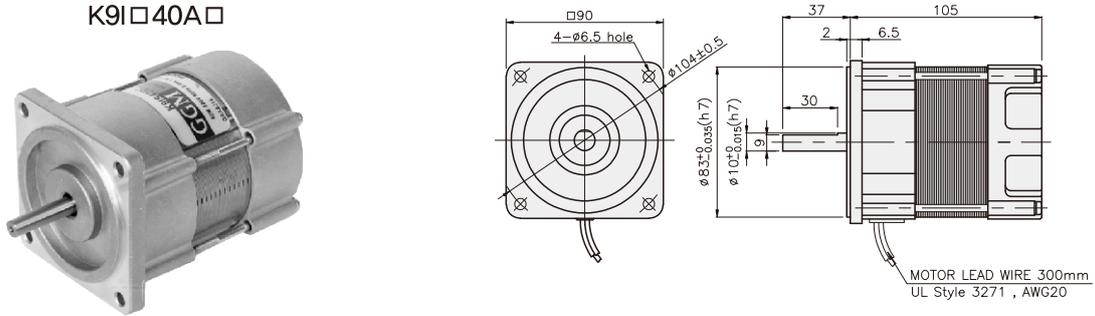
OPEN TYPE MOTOR

40W

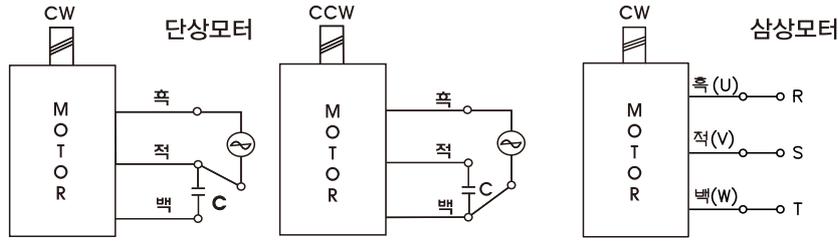
□90mm

LEAD WIRE TYPE

DIMENSIONS



CONNECTION DIAGRAMS



회전방향은 출력축에서 볼 경우

CCW는 U,V,W중 2선을 바꾸어 결선

SPECIFICATIONS

40W 연속정격, 4극

Model	Phase	Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N·m/kgf·cm)	Rated T. (N·m/kgf·cm)	Speed (rpm)	Condenser (μF)
K9I□40AJ	단상	100	50	0.86	0.21/2.1	0.315/3.15	1250	12
			60	0.84	0.22/2.2	0.255/2.55	1550	
K9I□40AU		110	60	0.65	0.19/1.9	0.255/2.55	1550	8
				0.68	0.2/2			
K9I□40AL		200	50	0.4	0.22	0.315/3.15	1250	3
				0.41	2.2			
K9I□40AC		220	50	0.38	0.24	0.315/3.15	1250	2.5
				0.37	2.4			
		230	50	0.4	0.26	0.315/3.15	1250	
				0.38	2.6			
K9I□40AD	240	50	0.39	0.2/2	0.3/3	1300	2	
K9I□40AT	200	50	0.39	1/10	0.3/3	1300	-	
			60	0.32	0.78/7.8	0.245/2.45		1600
K9I□40AH	220	50	0.33	0.95/9.5	0.29/2.9	1350	-	
			0.31	0.78/7.8	0.245/2.45	1600		
	230	50	0.41	1/10	0.29/2.9	1350		
			0.32	0.83/8.3	0.245/2.45	1600		
K9I□40AM	380	50	0.18	1/10	0.29/2.9	1350	-	
				60	0.78/7.8	0.245/2.45		1600
K9I□40AV	400	50	0.18	1.15/11.5	0.29/2.9	1350	-	
				60	0.19	0.88/8.8		0.245/2.45
K9I□40AQ	415	50	0.16	0.95/9.5	0.29/2.9	1350	-	
				60	0.14	0.72/7.2		0.245/2.45
K9I□40AZ	440	50	0.19	1/10	0.29/2.9	1350	-	
				60	0.16	0.79/7.9		0.245/2.45

* 모터의 사양은 INDUCTION MOTOR와 동일합니다. 적용 GEARHEAD K6G□B(C) SERIES 입니다.

* 적용 GEARHEAD 및 감속비별 출력 TORQUE 값을 알고 싶으시면 INDUCTION MOTOR의 RATED TORQUE OF GEARHEAD를 확인하십시오.

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