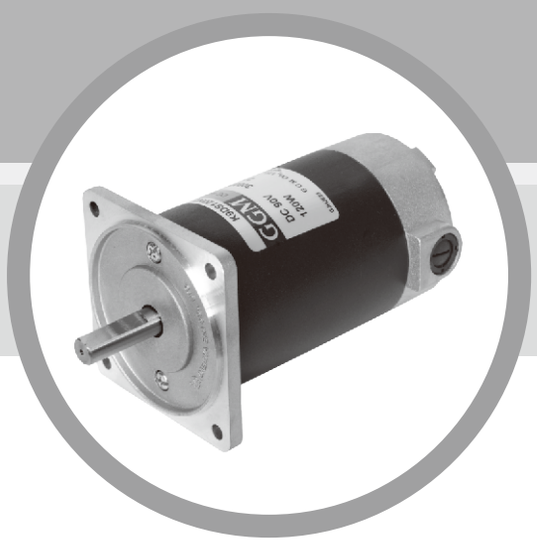
DC MOTOR

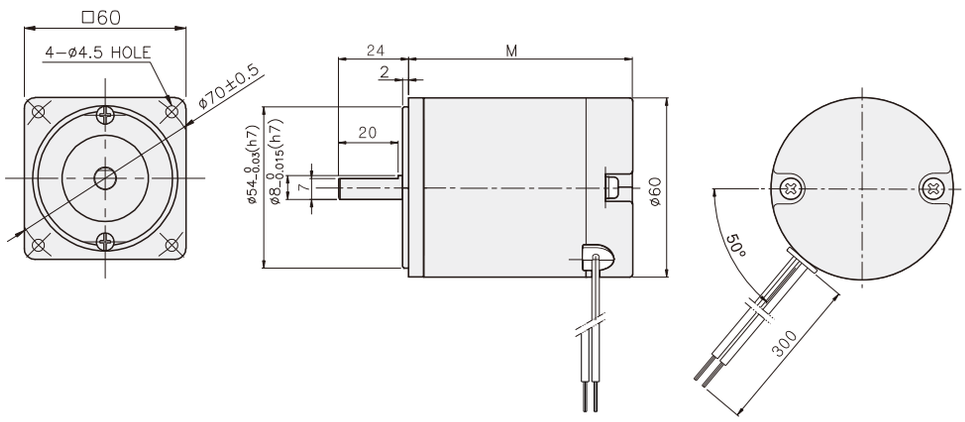


DC MOTOR

6W ~15W □60mm

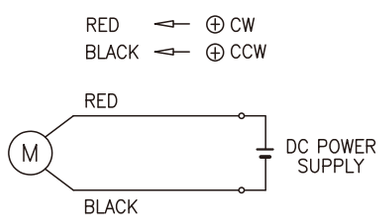
DIMENSIONS

K6DS□N□



CONNECTION DIAGRAMS

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



DIMENSION TABLE

M	MOTOR
73	K6D□6N□
88	K6D□15N□

SPECIFICATIONS

Model	Output (W)	Voltage (V)	RATED			Start T. (N·m/kgf·cm)	Starting Current (A)
			Speed (rpm)	Torque (N·m/kgf·cm)	Current (A)		
K6D□6N1	6	12	3000	0.02/0.2	1.1	0.16/1.6	8
K6D□6N2		24			0.6	0.17/1.7	5
K6D□6N3		90			0.1	0.19/1.9	1
K6D□15N1	15	12		0.05/0.5	2.8	0.31/3.1	17
K6D□15N2		24			1.2	0.42/4.2	11
K6D□15N3		90			0.3	0.4/4	3

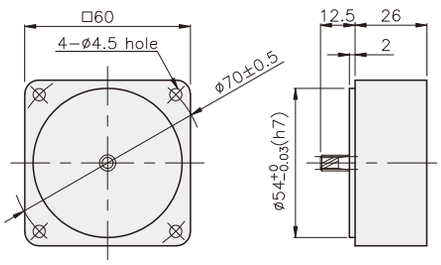
* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

GEARHEAD

DIMENSIONS

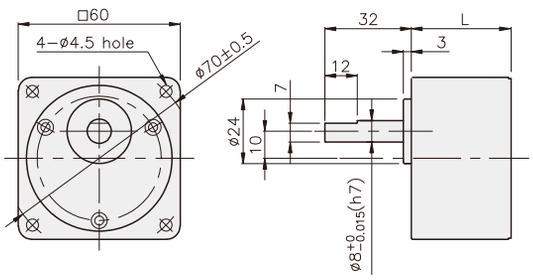
DECIMAL GEARHEAD

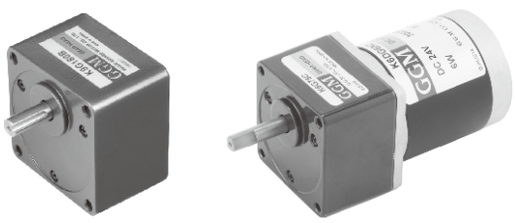
K6G10BX



GEARHEAD

K6G□B(C)





DIMENSION TABLE

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

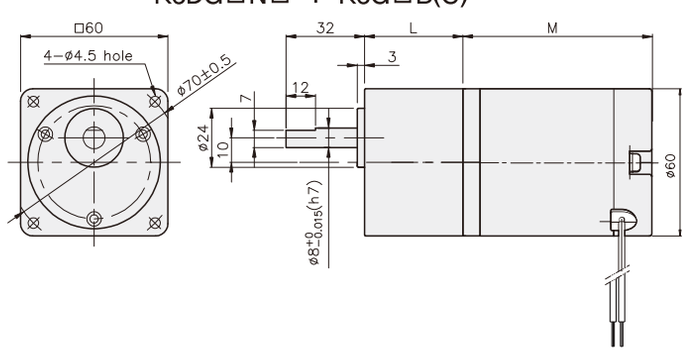
DIMENSION TABLE

M	MOTOR
73	K6D□6N□
88	K6D□15N□

WEIGHT

PART		WEIGHT(kg)
MOTOR		0.62(6W)
		0.73(15W)
K6G10BX		0.22
GEAR HEAD	K6G3~18B(C)	0.26
	K6G20~40B(C)	0.33
	K6G50~250B(C)	0.36

K6DG□N□ + K6G□B(C)



RATED TORQUE OF GEARHEAD

● **K6G□B(C)**

unit = above : N·m / below : Kgf·cm

Model / Motor/ Geadhead	Speed (rpm)	1000	833	600	500	400	333	300	240	200	167	150	120	100	83	75	60	50	40	33	30	25	20	17	15	12
	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
K6DG6N□		0.05 0.5	0.06 0.6	0.08 0.8	0.09 0.9	0.12 1.2	0.14 1.4	0.16 1.6	0.20 2.0	0.24 2.4	0.28 2.8	0.28 2.8	0.36 3.6	0.43 4.3	0.51 5.1	0.57 5.7	0.64 6.4	0.77 7.7	0.96 9.6	1.15 11.5	1.28 12.8	1.54 15.4	1.92 19.2	2.30 23.0	2.56 25.6	3 30
K6DG15N□		0.12 1.2	0.14 1.4	0.20 2.0	0.24 2.4	0.30 3.0	0.36 3.6	0.39 3.9	0.49 4.9	0.59 5.9	0.71 7.1	0.71 7.1	0.89 8.9	1.07 10.7	1.28 12.8	1.42 14.2	1.60 16.0	1.92 19.2	2.40 24.0	2.88 28.8	3 30	3 30	3 30	3 30	3 30	3 30

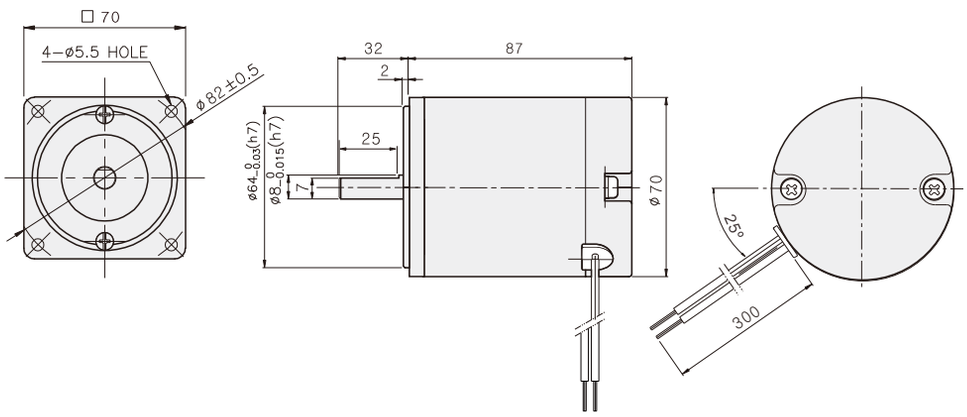
* Gearhead and decimal gearhead are sold separately.
* The code in □ of gearhead model is for gear ratio.
* color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
* If you are to have 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 3N · m/30kgfcm.

DC MOTOR

15W □70mm

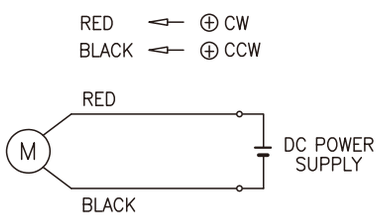
DIMENSIONS

K7DS□N□



CONNECTION DIAGRAMS

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



SPECIFICATIONS

Model	Output (W)	Voltage (V)	RATED			Start T. (N·m/kgf·cm)	Starting Current (A)
			Speed (rpm)	Torque (N·m/kgf·cm)	Current (A)		
K7D□15N1	15	12	3000	0.05/0.5	3.1	0.29/2.9	16
K7D□15N2		24			1.4	0.35/3.5	9
K7D□15N3		90			0.3	0.39/3.9	3

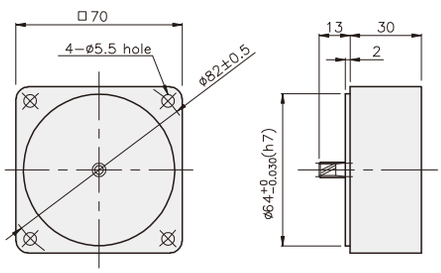
* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

GEARHEAD

DIMENSIONS

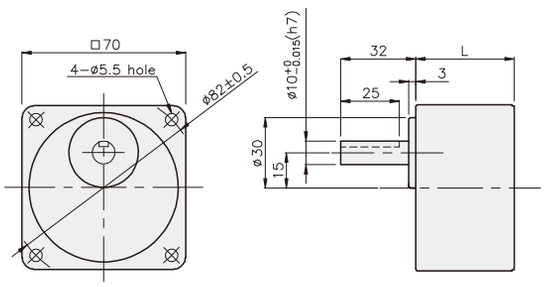
DECIMAL GEARHEAD

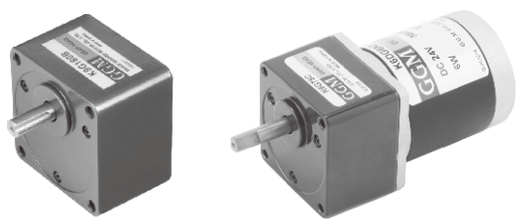
K7G10BX



GEARHEAD

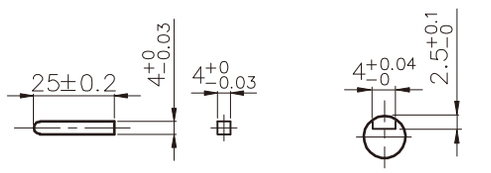
K7G□B(C)



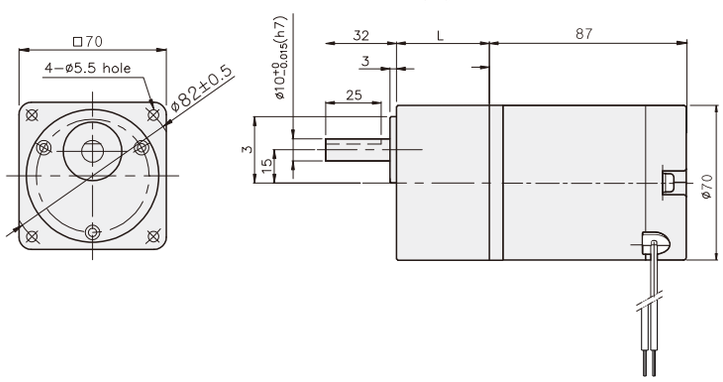


KEY SPEC

● KEY ● KEY GROOVE



K7DG15N□ + K7G□B(C)



DIMENSION TABLE

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

WEIGHT

PART		WEIGHT(kg)
MOTOR		0.95
K7G10BX		0.32
GEAR HEAD	K7G3~18B(C)	0.38
	K7G20~40B(C)	0.46
	K7G50~200B(C)	0.51

RATED TORQUE OF GEARHEAD

● **K7G□B(C)**

unit = above : N·m / below : Kgf·cm

Model / Motor/ Gead head	Speed (rpm)	1000	833	600	500	400	333	300	240	200	167	150	120	100	83	75	60	50	40	33	30	25	20	17	15
	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
K7DG15N□		0.12 1.2	0.14 1.4	0.20 2.0	0.24 2.4	0.30 3.0	0.36 3.6	0.39 3.9	0.49 4.9	0.59 5.9	0.71 7.1	0.71 7.1	0.89 8.9	1.07 10.7	1.28 12.8	1.42 14.2	1.60 16.0	1.92 19.2	2.40 24.0	2.88 28.8	3.20 32.0	3.83 38.3	4.79 47.9	5 50	5 50

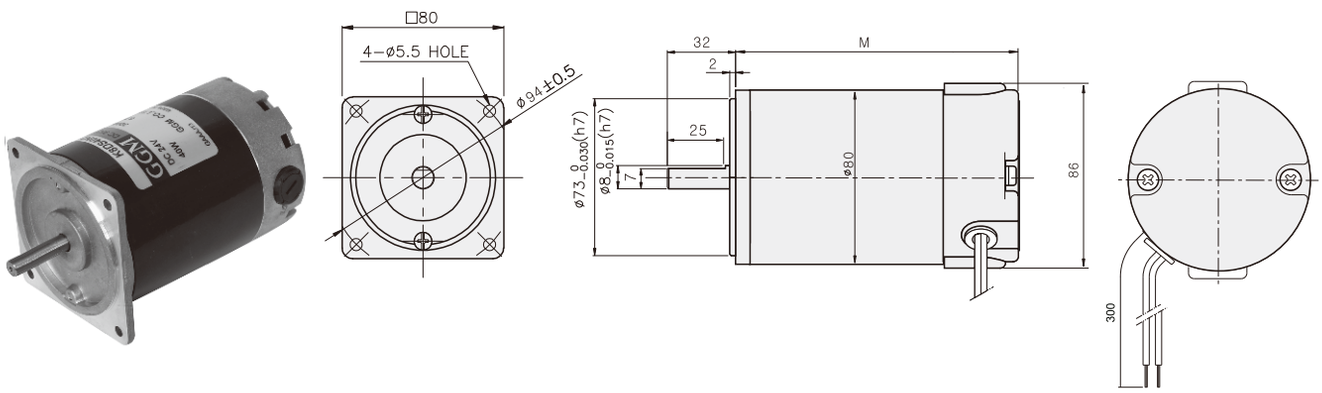
* Gearhead and decimal gearhead are sold separately.
* The code in □ of gearhead model is for gear ratio.
* color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
* If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth of the ratio, between the gearhead and the motor. In this case, the permissible torque is 5N · m/50kgfcm.

DC MOTOR

25W ~40W □80mm

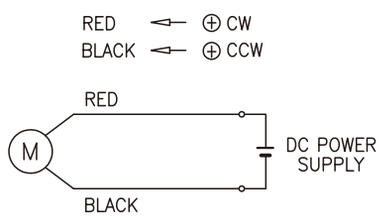
DIMENSIONS

K8DS□N□



CONNECTION DIAGRAMS

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



DIMENSION TABLE

M	MOTOR
121.5	K8D□25N□
122	K8D□40N□

SPECIFICATIONS

Model	Output (W)	Voltage (V)	RATED			Start T. (N·m/kgf·cm)	Starting Current (A)
			Speed (rpm)	Torque (N·m/kgf·cm)	Current (A)		
K8D□25N1	25	12	3000	0.08/0.8	5	1.2/12	55
K8D□25N2		24			2.3	1.3/13	28
K8D□25N3		90			0.6	0.8/8	5
K8D□40N1	40	12		0.13/1.3	6.1	1.43/14.3	64
K8D□40N2		24			3	1.82/18.2	40
K8D□40N3		90			0.9	1.44/14.4	9

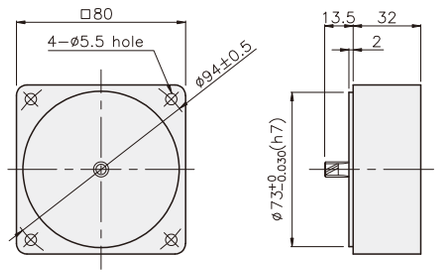
* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

GEARHEAD

DIMENSIONS

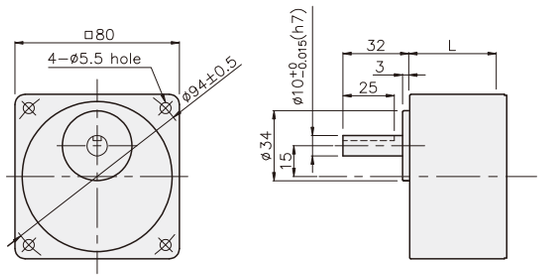
DECIMAL GEARHEAD

K8G10BX

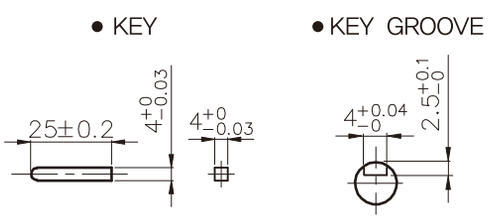


GEARHEAD

K8G□B(C)



KEY SPEC



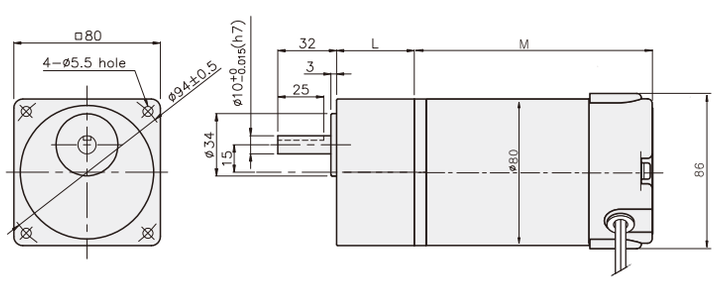
DIMENSION TABLE

PART No	L	Application Model	Mounting BOLT
01	32	K8G3~18B(C)	M5 P0.8 X 50
02	42.5	K8G20~250B(C)	M5 P0.8 X 65
03	32	K8G10BX	M5 P0.8 X 95

WEIGHT

PART		WEIGHT(kg)
MOTOR		1.76
K8G10BX		0.46
GEAR HEAD	K8G3~18B(C)	0.51
	K8G20~40B(C)	0.64
	K8G50~250B(C)	0.70

K8DG□N□ + K8G□B(C)



RATED TORQUE OF GEARHEAD

● K8G□B(C)

unit = above : N·m / below : Kgf·cm

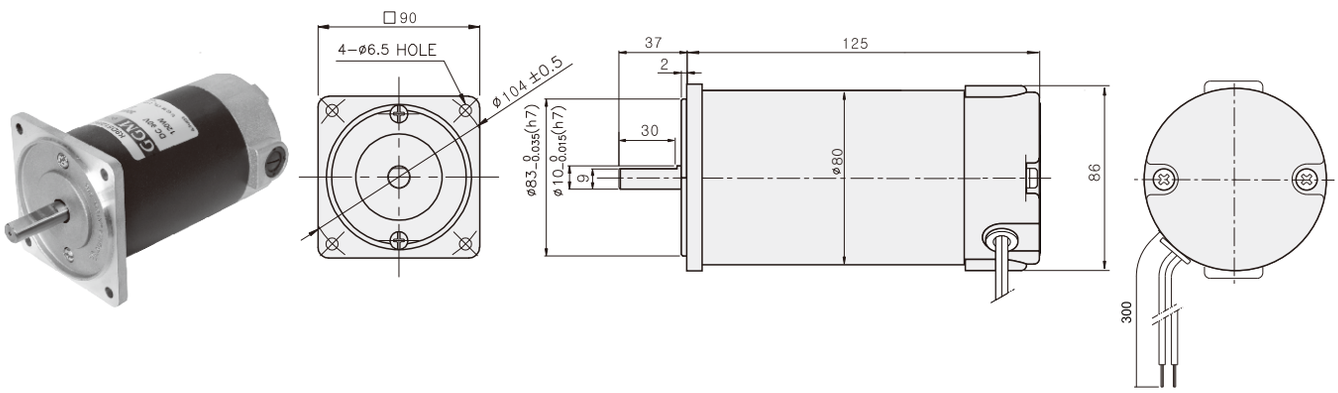
Model MOTOR/ GEAR HEAD	Speed (rpm)	1000	833	600	500	400	333	300	240	200	167	150	120	100	83	75	60	50	40	33	30	25	20	17	15	12
	Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250
K8DG25N□		0.20 2.0	0.24 2.4	0.33 3.3	0.39 3.9	0.49 4.9	0.59 5.9	0.66 6.6	0.82 8.2	0.99 9.9	1.18 11.8	1.18 11.8	1.48 14.8	1.77 17.7	2.13 21.3	2.36 23.6	2.66 26.6	3.19 31.9	3.99 39.9	4.79 47.9	5.32 53.2	6.39 63.9	7.98 79.8	8 80	8 80	8 80
K8DG40N□		0.32 3.2	0.38 3.8	0.53 5.3	0.63 6.3	0.79 7.9	0.95 9.5	1.05 10.5	1.31 13.1	1.58 15.8	1.89 18.9	1.89 18.9	2.37 23.7	2.84 28.4	3.41 34.1	3.78 37.8	4.26 42.6	5.11 51.1	6.39 63.9	7.66 76.6	8 80	8 80	8 80	8 80	8 80	8 80

* 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 6N · m/60kgfcm.

DC MOTOR

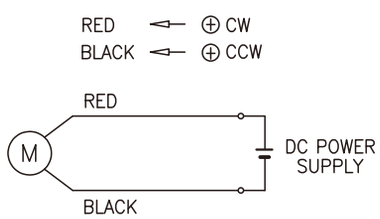
40W □90mm

DIMENSIONS



CONNECTION DIAGRAMS

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



SPECIFICATIONS

Model	Output (W)	Voltage (V)	RATED			Start T. (N·m/kgf·cm)	Starting Current (A)
			Speed (rpm)	Torque (N·m/kgf·cm)	Current (A)		
K9D□40N1	40	12	3000	0.13/1.3	6.1	1.43/14.3	64
K9D□40N2		24			3	1.82/18.2	40
K9D□40N3		90			0.9	1.44/14.4	9

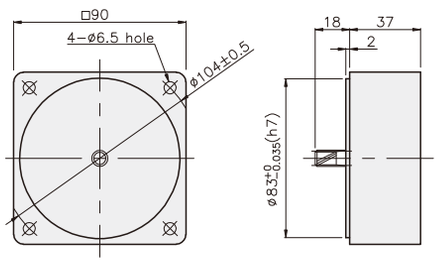
* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

GEARHEAD

DIMENSIONS

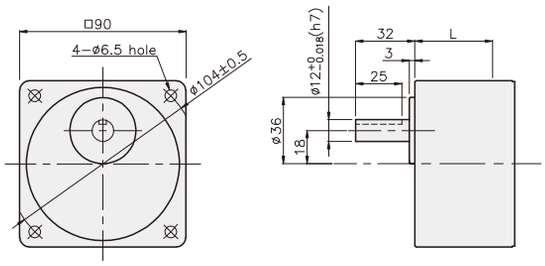
DECIMAL GEARHEAD

K9G10BX



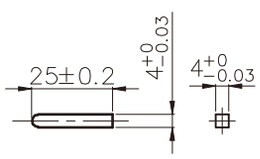
GEARHEAD

K9G□B(C)

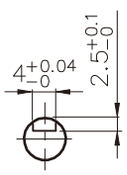


KEY SPEC

● KEY



● KEY GROOVE



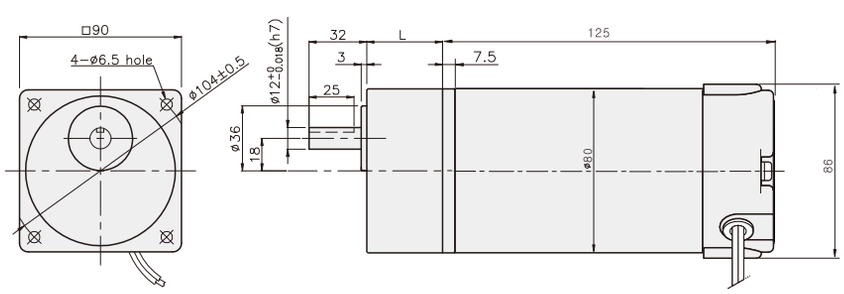
DIMENSION TABLE

PART No	L	Application Model	Mounting BOLT
01	42	K9G3~18B(C)	M6 P1.0 X 65
02	60	K9G20~200B(C)	M6 P1.0 X 80
03	37	K9G10BX	M6 P1.0 X 120

WEIGHT

PART		WEIGHT(kg)
MOTOR		1.88
K9G10BX		0.60
GEAR HEAD	K9G3~18B(C)	0.78
	K9G20~40B(C)	1.04
	K9G50~200B(C)	1.14

K9DG40N□ + K9G□B(C)



RATED TORQUE OF GEARHEAD

● K9G□B(C)

unit = above : N·m / below : Kgf·cm

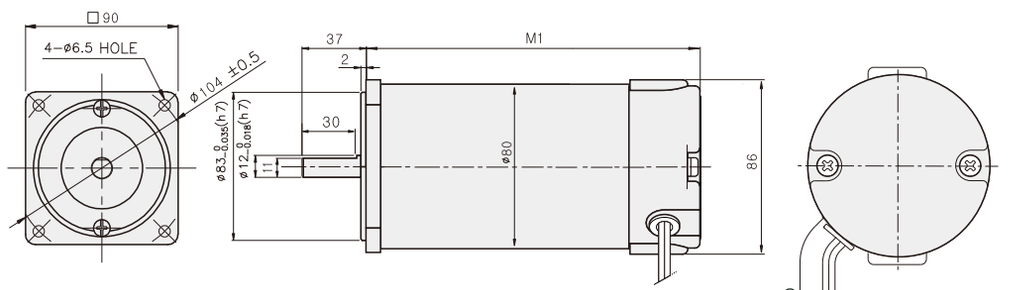
Model / Motor/ Gear head	Speed (rpm)	1000	833	600	500	400	333	300	240	200	167	150	120	100	83	75	60	50	40	33	30	25	20	17	15
	Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9DG40N□		0.32 3.2	0.38 3.8	0.53 5.3	0.63 6.3	0.79 7.9	0.95 9.5	1.05 10.5	1.31 13.1	1.58 15.8	1.89 18.9	1.89 18.9	2.37 23.7	2.84 28.4	3.41 34.1	3.78 37.8	4.26 42.6	5.11 51.1	6.39 63.9	7.66 76.6	8.52 85.2	10 100	10 100	10 100	10 100

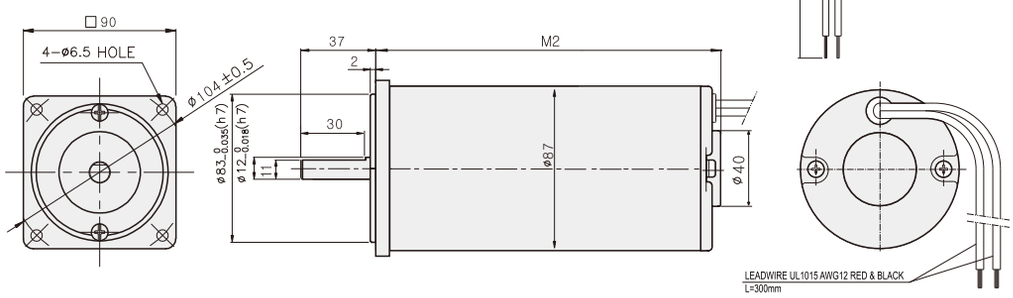
* Gearhead and decimal gearhead are sold separately.
* The code in □ of gearhead model is for gear ratio.
* color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
* If you are to have 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 10N· m/100kgfcm.

DC MOTOR

60W ~200W □90mm

DIMENSIONS

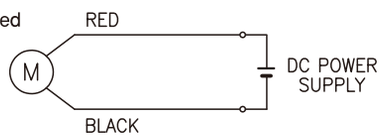




CONNECTION DIAGRAMS

RED ⊖ CW
BLACK ⊕ CCW

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



DIMENSION TABLE

M1	ø	MOTOR
143	80	K9D□60N□ K9D□90N□
168		K9D□120N□ K9D□150N2 K9D□150N3 K9D□200N3

M2	ø	MOTOR
170	87	K9D□150N1 K9D□200N1 K9D□200N2

SPECIFICATIONS

Model	Output (W)	Voltage (V)	RATED			Start T. (N·m/kgf·cm)	Starting Current (A)
			Speed (rpm)	Torque (N·m/kgf·cm)	Current (A)		
K9D□60N1	60	12	3000	0.19/1.9	12	1.46/14.6	80
K9D□60N2		24			4.6	2.73/27.3	60
K9D□60N3		90			1.4	2.18/21.8	13
K9D□90N1	90	12		0.3/3	13.4	1.63/16.3	76
K9D□90N2		24			5.9	3/30	67
K9D□90N3		90			1.6	2.3/23	14
K9D□120N1	120	12		0.39/3.9	17.9	1.75/17.5	90
K9D□120N2		24			7.7	3.95/39.5	85
K9D□120N3		90			1.9	4.39/43.9	25
K9D□150N1	150	12		0.49/4.9	21.1	2.22/22.2	111
K9D□150N2		24			9	4.29/42.9	94
K9D□150N3		90			2.5	5/50	30
K9D□200N1	200	12		0.65/6.5	28	1.8/18	89
K9D□200N2		24			18	5.2/52	124
K9D□200N3		90			3.3	5.55/55.5	32

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

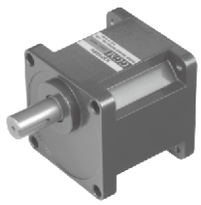
GEARHEAD

DIMENSIONS

K9P□B

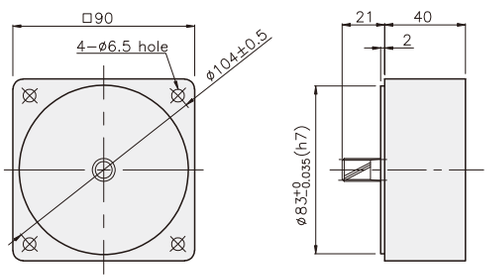
K9P□BF, BUF

K9P□BU

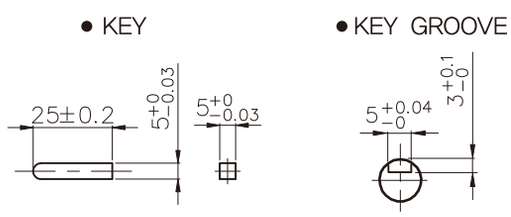


DECIMAL GEARHEAD

K9P10BX

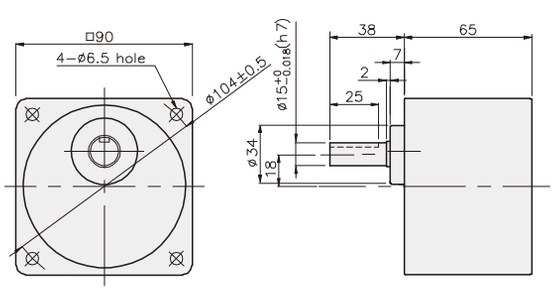


KEY SPEC

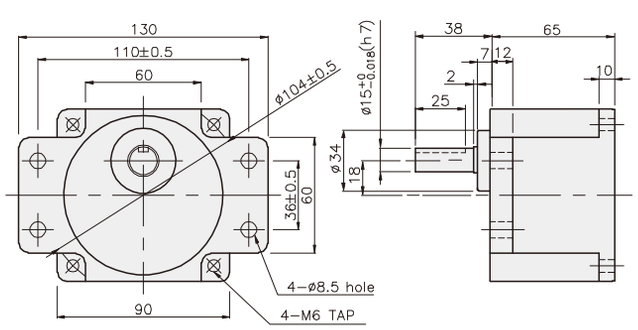


GEARHEAD

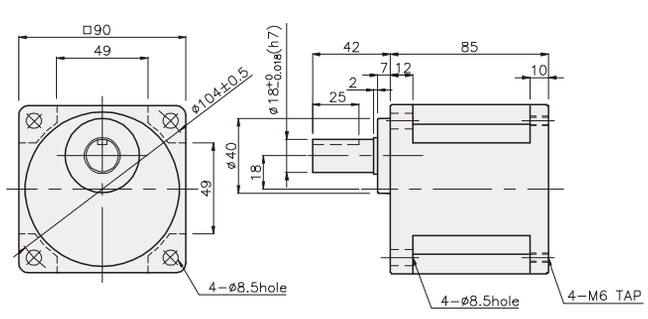
K9P□B



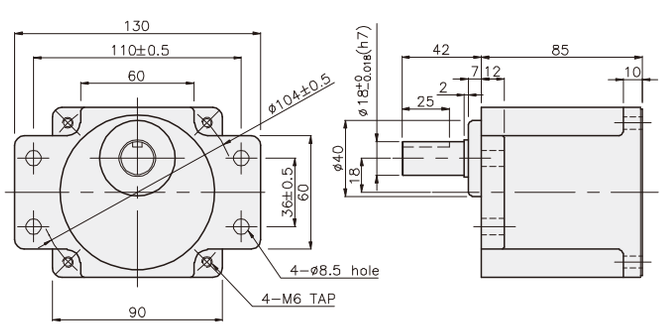
K9P□BF



K9P□BU



K9P□BUF



GEARHEAD

DIMENSIONS

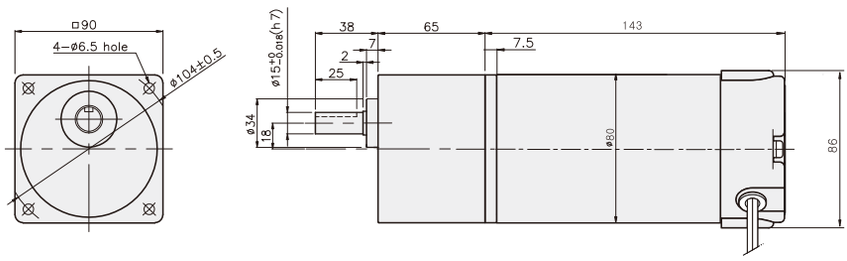
K9DP□N□ + K9P□B

DIMENSION TABLE

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

WEIGHT

PART	WEIGHT(kg)
K9D□60N□ K9D□90N□	2.21
K9P10BX	0.62
K9P3~10B	1.22
K9P12.5~20B	1.32
K9P25~60B	1.42
K9P75~200B	1.45



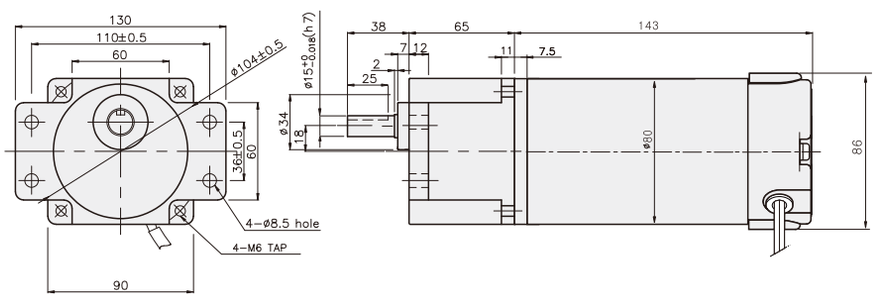
K9DP□N□ + K9P□BF

DIMENSION TABLE

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

WEIGHT

PART	WEIGHT(kg)
K9D□60N□ K9D□90N□	2.21
K9P10BX	0.62
K9P3~10BF	1.22
K9P12.5~20BF	1.30
K9P25~60BF	1.42
K9P75~200BF	1.44



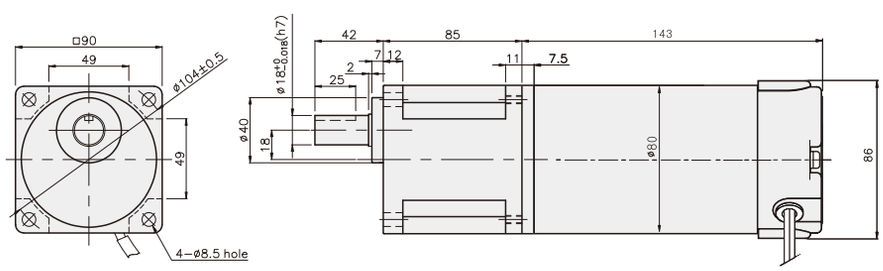
K9DP□N□ + K9P□BU

DIMENSION TABLE

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

WEIGHT

PART	WEIGHT(kg)
K9D□60N□ K9D□90N□	2.21
K9P10BX	0.62
K9P3~10BU	1.44
K9P12.5~20BU	1.55
K9P25~60BU	1.69
K9P75~200BU	1.74



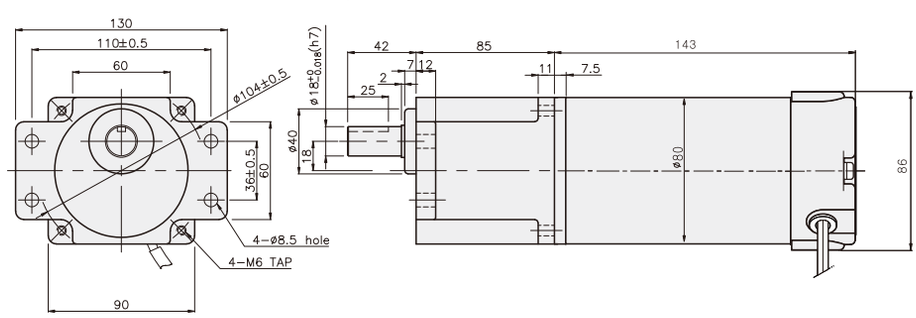
K9DP□N□ + K9P□BUF

DIMENSION TABLE

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

WEIGHT

PART	WEIGHT(kg)
K9D□60N□ K9D□90N□	2.21
K9P10BX	0.62
K9P3~10BUF	1.50
K9P12.5~20BUF	1.62
K9P25~60BUF	1.76
K9P75~200BUF	1.82



GEARHEAD

DIMENSIONS

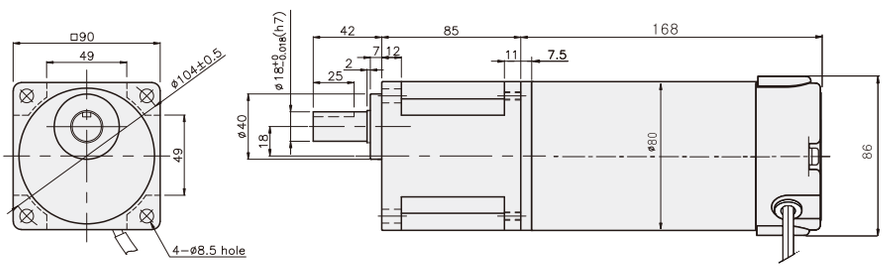
DIMENSION TABLE

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

WEIGHT

PART	WEIGHT(kg)
K9D□120N□ K9D□150N3	3.20
K9D□200N3	3.30
K9P10BX	0.62
K9P3~10BU	1.44
K9P12.5~20BU	1.55
K9P25~60BU	1.69
K9P75~200BU	1.74

K9DP□N□ + K9P□BU



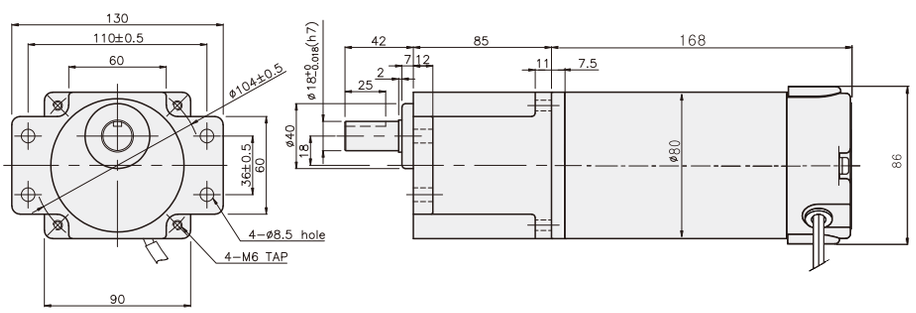
DIMENSION TABLE

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

WEIGHT

PART	WEIGHT(kg)
K9D□120N□ K9D□150N3	3.20
K9D□200N3	3.30
K9P10BX	0.62
K9P3~10BUF	1.50
K9P12.5~20BUF	1.62
K9P25~60BUF	1.76
K9P75~200BUF	1.82

K9DP□N□ + K9P□BUF



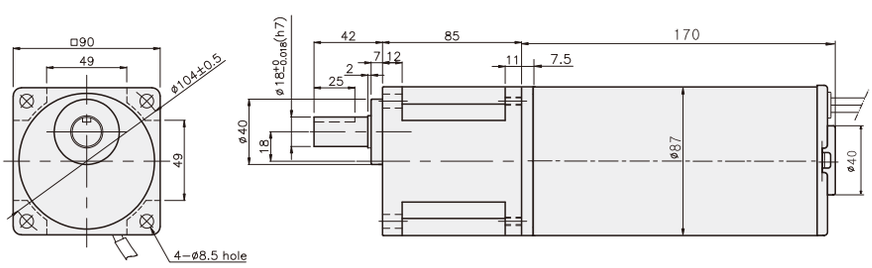
DIMENSION TABLE

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

WEIGHT

PART	WEIGHT(kg)
K9D□150N1	3.50
K9D□150N2	3.20
K9D□200N1	3.70
K9D□200N2	3.40
K9P10BX	0.62
K9P3~10BU	1.44
K9P12.5~20BU	1.55
K9P25~60BU	1.69
K9P75~200BU	1.74

K9DP□N□ + K9P□BU



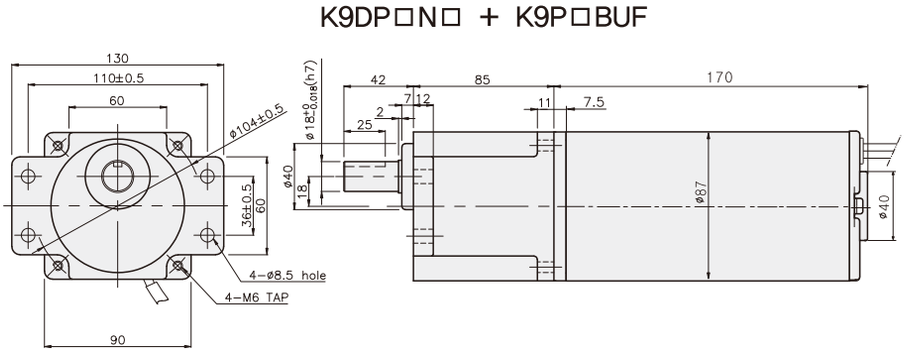
DIMENSION TABLE

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

WEIGHT

PART	WEIGHT(kg)
K9D□150N1	3.50
K9D□150N2	3.20
K9D□200N1	3.70
K9D□200N2	3.40
K9P10BX	0.62
K9P3~10BUF	1.50
K9P12.5~20BUF	1.62
K9P25~60BUF	1.76
K9P75~200BUF	1.82

K9DP□N□ + K9P□BUF



DC MOTOR

RATED TORQUE OF GEARHEAD

● K9P□B, K9P□BF

unit = above : N·m / below : Kgf·cm

Model / Motor/ Gear head	Speed (rpm)	1000	833	600	500	400	333	300	240	200	167	150	120	100	83	75	60	50	40	33	30	25	20	17	15
	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
K9DP60N□		0.47 4.7	0.57 5.7	0.79 7.9	0.95 9.5	1.18 11.8	1.42 14.2	1.58 15.8	1.77 17.7	2.13 21.3	2.55 25.5	2.84 28.4	3.19 31.9	3.83 38.3	4.60 46.0	5.11 51.1	6.39 63.9	7.66 76.6	8.62 86.2	10.35 103.5	11.50 115.0	13.80 138.0	17.25 172.5	20 200	20 200
K9DP90N□		0.71 7.1	0.85 8.5	1.18 11.8	1.42 14.2	1.77 17.7	2.13 21.3	2.37 23.7	2.66 26.6	3.19 31.9	3.83 38.3	4.26 42.6	4.79 47.9	5.75 57.5	6.90 69.0	7.67 76.7	9.58 95.8	11.50 115.0	12.94 129.4	15.52 155.2	17.25 172.5	20 200	20 200	20 200	20 200

● K9P□BU, K9P□BUF

unit = above : N·m / below : Kgf·cm

Model / Motor/ Gear head	Speed (rpm)	1000	833	600	500	400	333	300	240	200	167	150	120	100	83	75	60	50	40	33	30	25	20	17	15
	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
K9DP90N□		0.71 7.1	0.85 8.5	1.18 11.8	1.42 14.2	1.77 17.7	2.13 21.3	2.37 23.7	2.66 26.6	3.19 31.9	3.83 38.3	4.26 42.6	4.79 47.9	5.75 57.5	6.90 69.0	7.67 76.7	9.58 95.8	11.50 115.0	12.94 129.4	15.52 155.2	17.25 172.5	20.70 207.0	25.87 258.7	30 300	30 300
K9DP120N□		0.95 9.5	1.14 11.4	1.58 15.8	1.89 18.9	2.37 23.7	2.84 28.4	3.15 31.5	3.55 35.5	4.26 42.6	5.11 51.1	5.68 56.8	6.39 63.9	7.67 76.7	9.20 92.0	10.22 102.2	12.78 127.8	15.33 153.3	17.25 172.5	20.70 207.0	23.00 230.0	27.60 276.0	30 300	30 300	30 300
K9DP150N□		1.18 11.8	1.42 14.2	1.97 19.7	2.37 23.7	2.96 29.6	3.55 35.5	3.94 39.4	4.44 44.4	5.32 53.2	6.39 63.9	7.10 71.0	7.99 79.9	9.58 95.8	11.50 115.0	12.78 127.8	15.97 159.7	19.17 191.7	21.56 215.6	25.88 258.8	28.75 287.5	30 300	30 300	30 300	30 300
K9DP200N□		1.58 15.8	1.89 18.9	2.63 26.3	3.15 31.5	3.94 39.4	4.73 47.3	5.26 52.6	5.91 59.1	7.10 71.0	8.52 85.2	9.46 94.6	10.65 106.5	12.78 127.8	15.33 153.3	17.03 170.3	21.29 212.9	25.55 255.5	28.75 287.5	30 300	30 300	30 300	30 300	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.