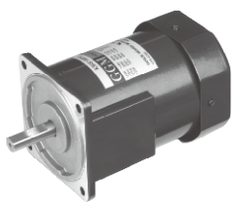
INDUCTION MOTOR

150W □90mm LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS150FH



K9IS150F□-T, T5

SPECIFICATIONS

150W continuous rating, four poles

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N·m/kgf·cm)	Rated T. (N·m/kgf·cm)	Speed (rpm)	Condenser (μF)
K9I□150FT-C50(-T, -T5)	three -phase	200	50	1.2	3.5/35	1.13/11.3	1300	-
K9I□150FT(-T, -T5)			60	0.95	2.65/26.5	0.915/9.15	1600	
K9I□150FH-C50(-T, -T5)		220	50	0.99	2.95/29.5	1.13/11.3	1300	-
		230		1.1	3/30			
K9I□150FH(-T, -T5)		220	60	0.97	2.5/25	0.915/9.15	1600	
		230		1.02	2.7/27			
K9I□150FM-C50(-T, -T5)		380	50	0.57	3/30	1.13/11.3	1300	-
K9I□150FM(-T, -T5)			60		2.25/22.5	0.915/9.15	1600	
K9I□150FV-C50(-T, -T5)		400	50	0.6	3.5/35	1.13/11.3	1300	-
K9I□150FV(-T, -T5)			60		2.5/25	0.915/9.15	1600	
K9I□150FQ-C50(-T, -T5)		415	50	0.57	3.15/31.5	1.13/11.3	1300	-
K9I□150FQ(-T, -T5)			60	0.42	2.35/23.5	0.915/9.15	1600	
K9I□150FZ-C50(-T, -T5)		440	50	0.53	3.3/33	1.085/10.85	1350	-
K9I□150FZ(-T, -T5)		440	60	0.44	2.6/26	0.915/9.15	1600	

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

* 3 phase motor for over 380 voltage can't be used with inverter. Motor winding insulation can be damaged.

RATED TORQUE OF GEARHEAD

● 50Hz

unit = above : N·m / below : Kgf·cm

Model / Motor/Gearhead	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	7.5
	Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□150F□(-T, -T5)		2.64	3.16	4.39	5.27	6.59	7.91	8.79	9.89	11.86	14.24	15.82	17.80	20	20	20	20	20	20	20	20	20	20	20	20
K9P□B, BF		26.4	31.6	43.9	52.7	65.9	79.1	87.9	98.9	118.6	142.4	158.2	178.0	200	200	200	200	200	200	200	200	200	200	200	200

● 60Hz

unit = above : N·m / below : Kgf·cm

Model / Motor/Gearhead	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
	Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□150F□(-T, -T5)		2.22	2.67	3.71	4.45	5.56	6.67	7.41	8.34	10.01	12.01	13.34	15.01	18.01	20	20	20	20	20	20	20	20	20	20	20
K9P□B, BF		22.2	26.7	37.1	44.5	55.6	66.7	74.1	83.4	100.1	120.1	133.4	150.1	180.1	200	200	200	200	200	200	200	200	200	200	200

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

GEARHEAD

RATED TORQUE OF GEARHEAD

● 50Hz

unit = above : N·m / below : Kgf·cm

Model / Motor/ Gearhead	Speed(rpm)	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	13	10	8.3	7.5
	Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□150F□(–T, –T5)		2.64	3.16	4.39	5.27	6.59	7.91	8.79	9.89	11.86	14.24	15.82	17.80	21.36	25.63	28.47	30	30	30	30	30	30	30	30	30
K9P□BU, BUF		26.4	31.6	43.9	52.7	65.9	79.1	87.9	98.9	118.6	142.4	158.2	178.0	213.6	256.3	284.7	300	300	300	300	300	300	300	300	300

● 60Hz

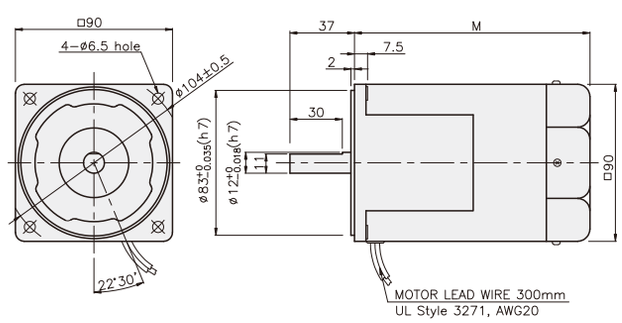
unit = above : N·m / below : Kgf·cm

Model / Motor/ Gearhead	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
	Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□150F□(–T, –T5)		2.22	2.67	3.71	4.45	5.56	6.67	7.41	8.34	10.01	12.01	13.34	15.01	18.01	21.61	24.01	30	30	30	30	30	30	30	30	30
K9P□BU, BUF		22.2	26.7	37.1	44.5	55.6	66.7	74.1	83.4	100.1	120.1	133.4	150.1	180.1	216.1	240.1	300	300	300	300	300	300	300	300	300

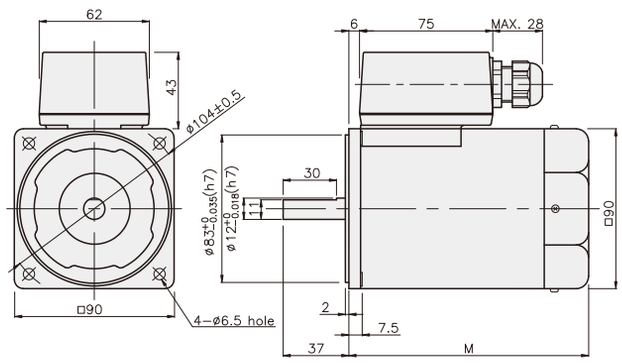
* Gearhead and decimal gearhead are sold separately.
* The code in □ of gearhead model is for gear ratio.
* ▭ color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
* If you are to have less ratio than the ratio in the table, you can install the decimal gearhead, which has one tenth of the ratio, between the gearhead and the motor. In this case, the permissible torque is 30N·m/300kgf·cm.
* RPM is based on motor's synchronous rpm (50HZ:1500rpm, 60HZ:1800rpm) and calculated by dividing gear ratio. Actual rpm is 2~20% less than indicating rpm according to load size.

DIMENSIONS

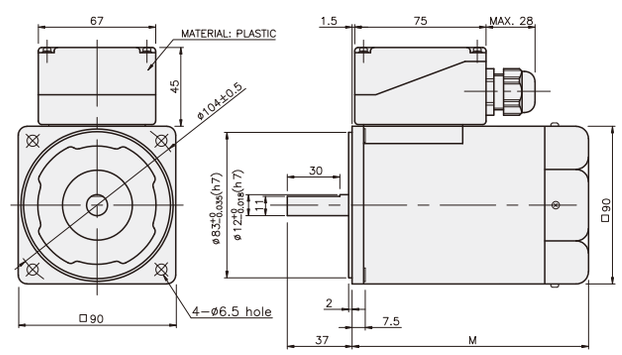
K9IS150FH



K9IS150F□–T



K9IS150F□–T5



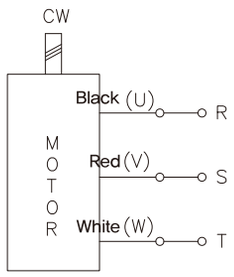
DIMENSION TABLE

PART No	M	Application Model
K9IS150F□-C50	155	50Hz
K9IS150F□	135	60Hz

※ 50Hz motor is "C50" added to model number.

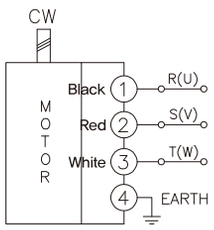
CONNECTION DIAGRAMS

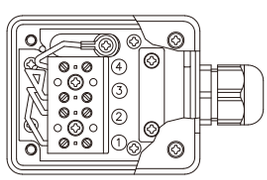
K9IS150F□



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

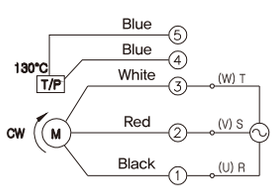
K9IS150F□–T

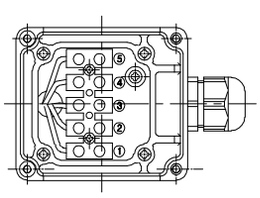




The direction of motor rotation is as viewed
from the front shaft end of the motor

K9IS150F□–T5



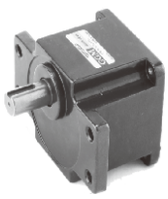
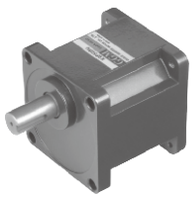


The direction of motor rotation is as viewed
from the front shaft end of the motor

GEARHEAD

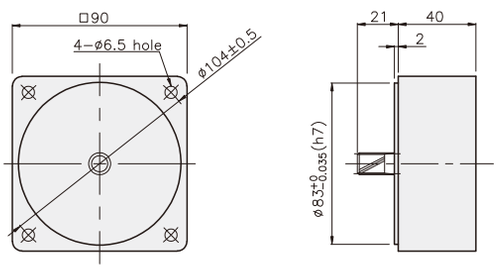
DIMENSIONS

K9P□B　　K9P□BF, BUF　　K9P□BU

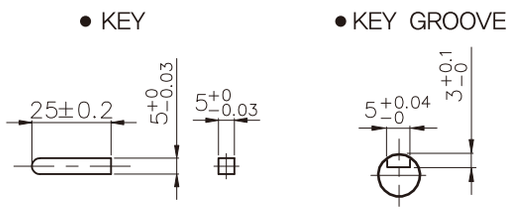




DECIMAL GEARHEAD

K9P10BX

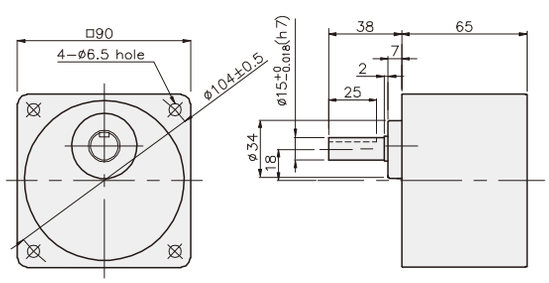


KEY SPEC

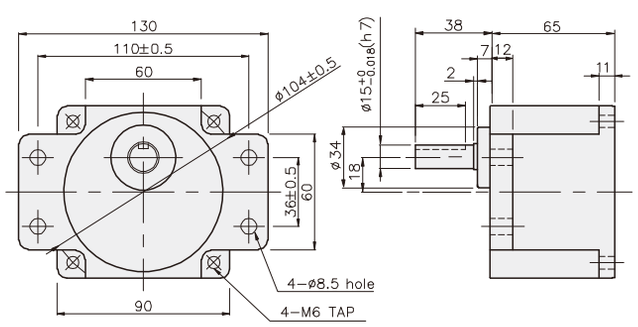


GEARHEAD

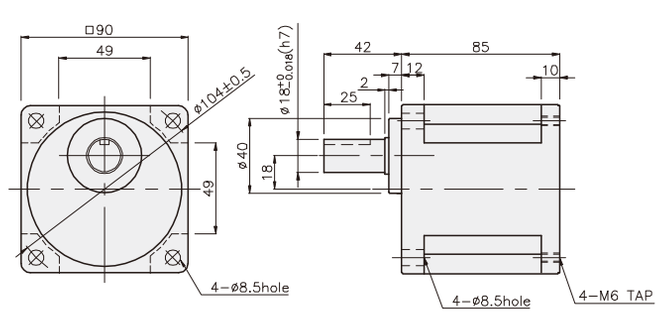
K9P□B



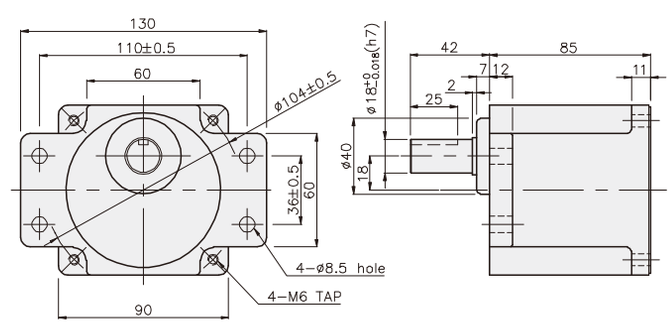
K9P□BF



K9P□BU



K9P□BUF

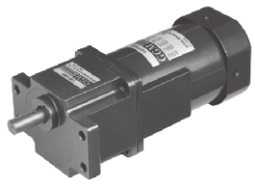


GEARHEAD

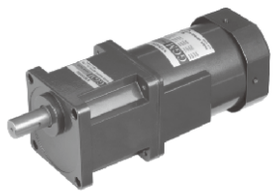
DIMENSIONS

K9IP150F□ + K9P□B

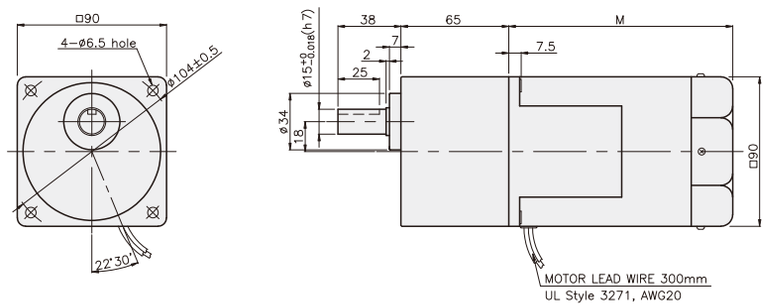
K9IP150F□ + K9P□BF, BUF



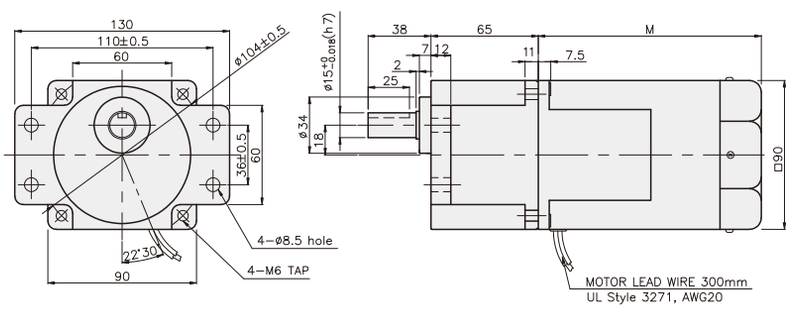
K9IP150F□ + K9P□BU



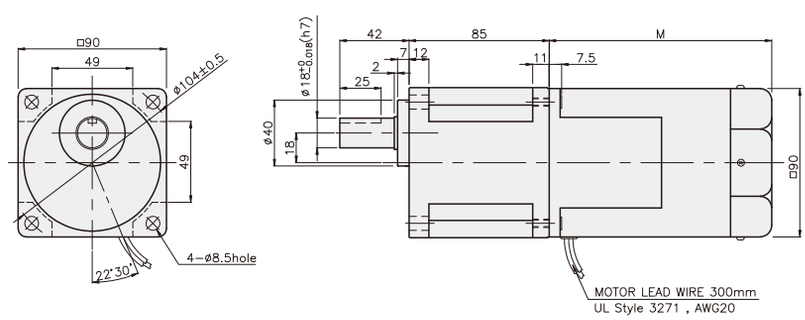
K9IP150F□ + K9P□B



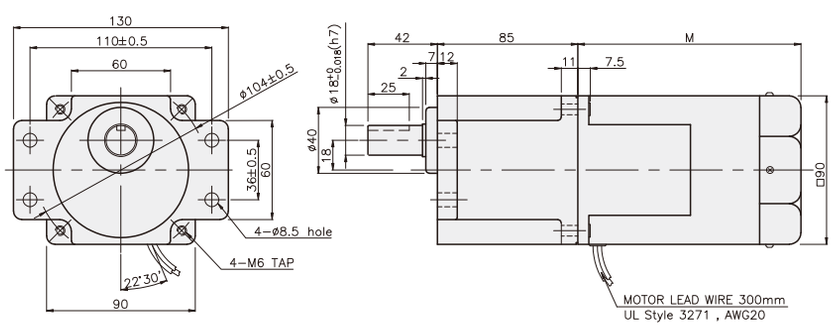
K9IP150F□ + K9P□BF



K9IP150F□ + K9P□BU



K9IP150F□ + K9P□BUF



WEIGHT

PART	WEIGHT(kg)
MOTOR	3,82
DECIMAL GEARHEAD	0,62

DIMENSION TABLE

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

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)
K9P3~10B	1,22
K9P12,5~20B	1,32
K9P25~60B	1,42
K9P75~200B	1,45

DIMENSION TABLE

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

WEIGHT

PART	WEIGHT(kg)
K9P3~10BF	1,22
K9P12,5~20BF	1,30
K9P25~60BF	1,42
K9P75~200BF	1,44

DIMENSION TABLE

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

WEIGHT

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

DIMENSION TABLE

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

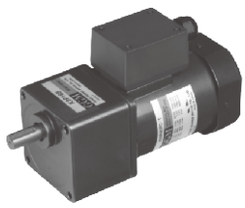
WEIGHT

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

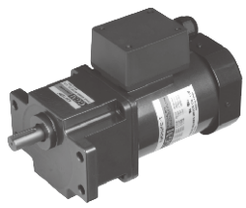
GEARHEAD

DIMENSIONS

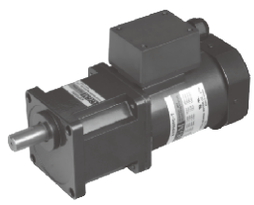
K9IP150F□-T + K9P□B



K9IP150F□-T + K9P□BF, BUF



K9IP150F□-T + K9P□BU



WEIGHT

PART	WEIGHT(kg)
MOTOR	3.24(3.90)
DECIMAL GEARHEAD	0.62

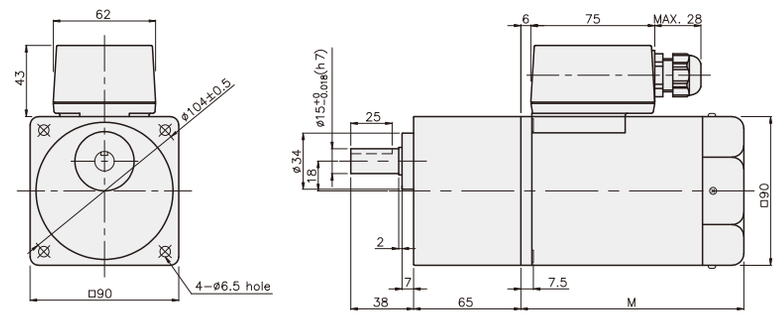
DIMENSION TABLE

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

DIMENSION TABLE

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

K9IP150F□-T + K9P□B



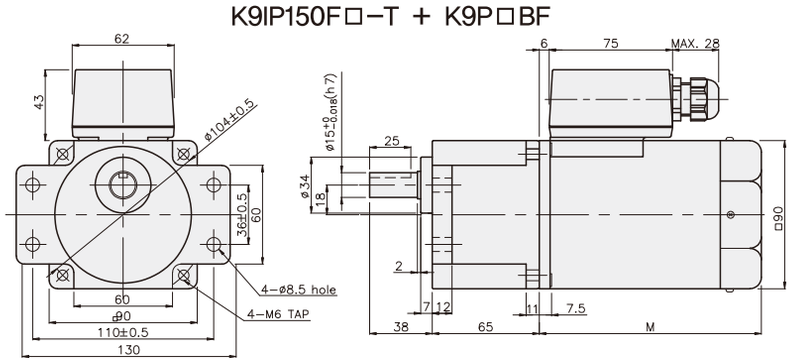
WEIGHT

PART	WEIGHT(kg)
K9P3~10B	1.22
K9P12.5~20B	1.32
K9P25~60B	1.42
K9P75~200B	1.45

DIMENSION TABLE

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

K9IP150F□-T + K9P□BF



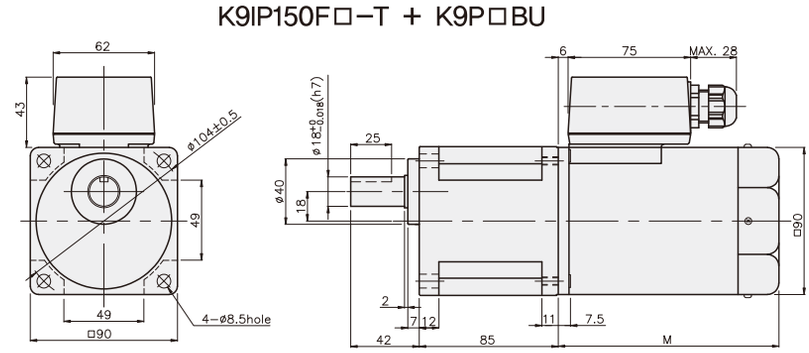
WEIGHT

PART	WEIGHT(kg)
K9P3~10BF	1.22
K9P12.5~20BF	1.30
K9P25~60BF	1.42
K9P75~200BF	1.44

DIMENSION TABLE

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

K9IP150F□-T + K9P□BU



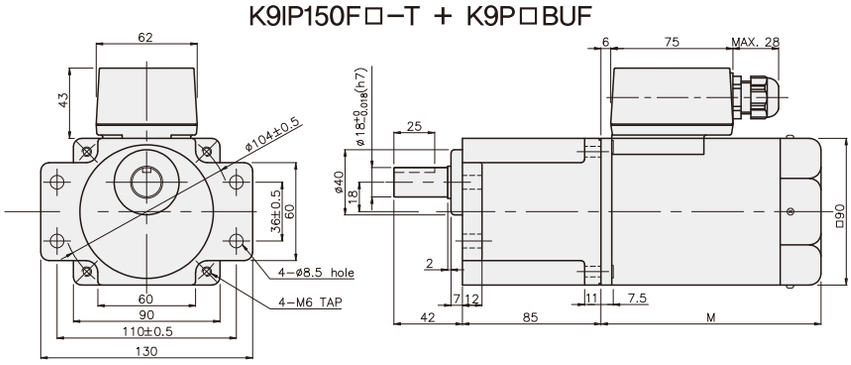
WEIGHT

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

DIMENSION TABLE

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

K9IP150F□-T + K9P□BUF



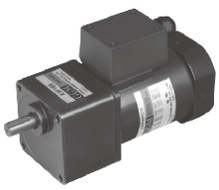
WEIGHT

PART	WEIGHT(kg)
K9P3~10BUF	1.50
K9P12.5~20BUF	1.62
K9P25~60BUF	1.76
K9P75~200BUF	1.82

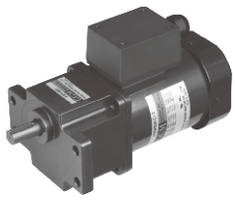
GEARHEAD

DIMENSIONS

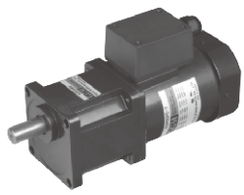
K9IP150F□-T5 + K9P□B



K9IP150F□-T5 + K9P□BF, BUF



K9IP150F□-T5 + K9P□BU



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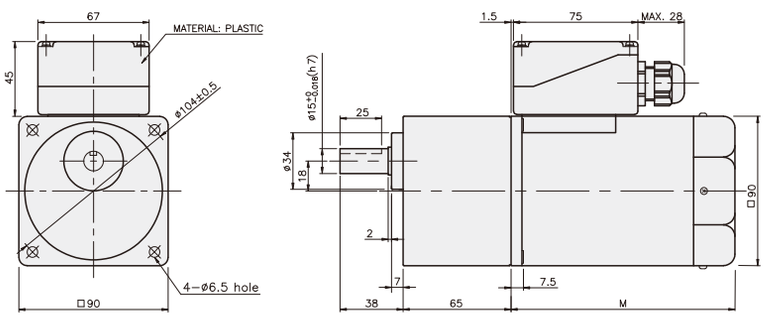
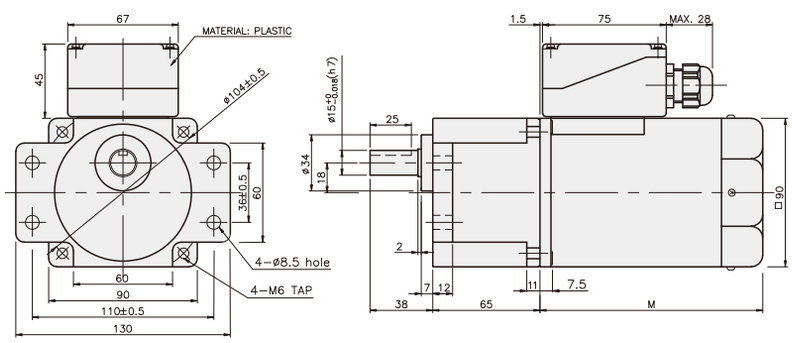
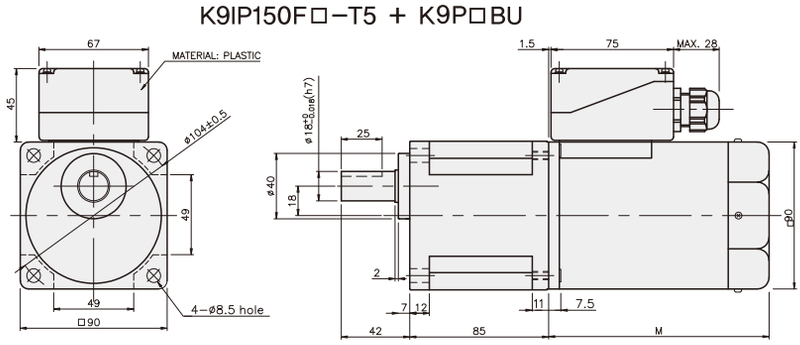


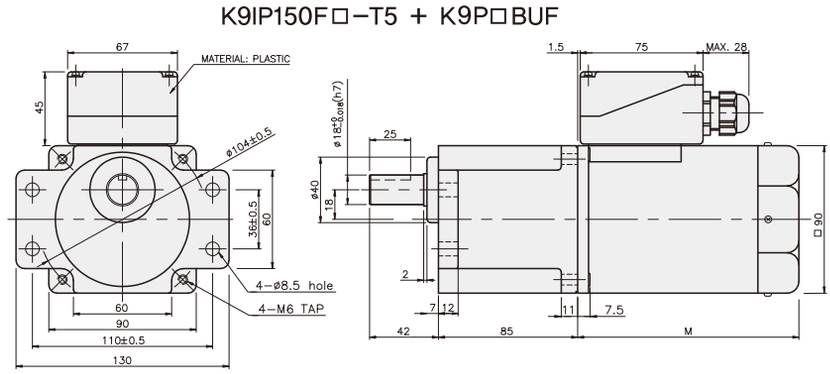
K9IP150F□-T5 + K9P□BF



K9IP150F□-T5 + K9P□BU



K9IP150F□-T5 + K9P□BUF



WEIGHT

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

DIMENSION TABLE

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

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)
K9P3~10B	1,22
K9P12,5~20B	1,32
K9P25~60B	1,42
K9P75~200B	1,45

DIMENSION TABLE

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

WEIGHT

PART	WEIGHT(kg)
K9P3~10BF	1,22
K9P12,5~20BF	1,30
K9P25~60BF	1,42
K9P75~200BF	1,44

DIMENSION TABLE

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

WEIGHT

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

DIMENSION TABLE

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

WEIGHT

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