INDUCTION MOTOR

180W □90mm LEAD WIRE TYPE TERMINAL BOX TYPE

K9IS180F□

K9IS180F□-T, T5

SPECIFICATIONS

180W 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□180FJ(-T, -T5)	single-phase	100	50	3.43	0.9/9	1.35/13.5	1300	50
			60	3.7	1/10	1.1/11	1600	
K9I□180FU(-T, -T5)		110	60	2.85	0.8/8	1.1/11	1600	35
		115		3.06				
K9I□180FL(-T, -T5)		200	50	1.47	0.73/7.3	1.35/13.5	1300	12
			60	1.43	0.65/6.5	1.1/11	1600	
K9I□180FC(-T, -T5)		220	50	1.58	0.7/7	1.35/13.5	1300	8
			60	1.38	0.65/6.5	1.1/11	1600	
		230	50	1.7	0.75/7.5	1.35/13.5	1300	
			60	1.54	0.7/7	1.1/11	1600	
K9I□180FD(-T, -T5)		240	50	1.2	0.8/8	1.35/13.5	1300	8

* □ : SHAFT SHAPE (S : STRAIGHT, P : PINION) * FU which are in end of the model name is UL certified ones. UL FILE NO. E204632

RATED TORQUE OF GEARHEAD

● 50Hz

unit = above : N·m / below : 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	13	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
K9I□180F□(-T, -T5)		3.28	3.94	5.47	6.56	8.20	9.84	10.94	12.30	14.76	17.71	19.68	22.14	26.57	30	30	30	30	30	30	30	30	30	30	30
K9P□BU, BUF		32.8	39.4	54.7	65.6	82.0	98.4	109.4	123.0	147.6	177.1	196.8	221.4	265.7	300	300	300	300	300	300	300	300	300	300	300

● 60Hz

unit = above : N·m / below : Kgf·cm

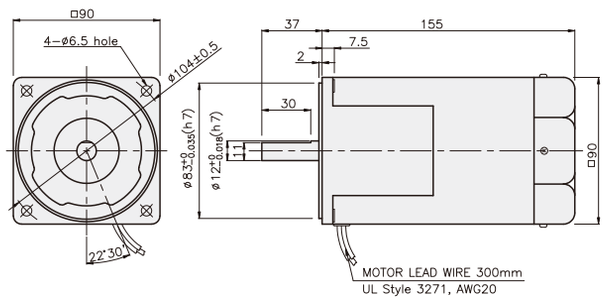
Model	Speed(rpm)	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
Motor/ Gearhead	Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
K9I□180F□(-T, -T5)		2.67	3.21	4.46	5.35	6.68	8.02	8.91	10.02	12.03	14.43	16.04	18.04	21.65	25.98	28.87	30	30	30	30	30	30	30	30	30
K9P□BU, BUF		26.7	32.1	44.6	53.5	66.8	80.2	89.1	100.2	120.3	144.3	160.4	180.4	216.5	259.8	288.7	300	300	300	300	300	300	300	300	300

* 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.

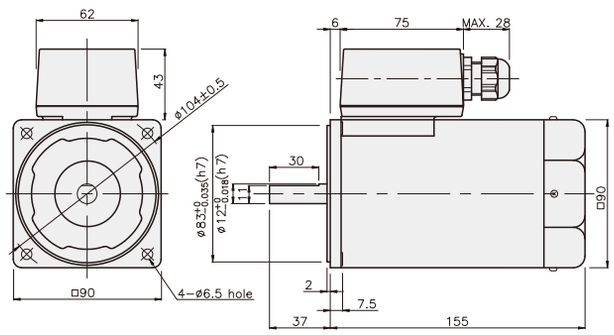
GEARHEAD

DIMENSIONS

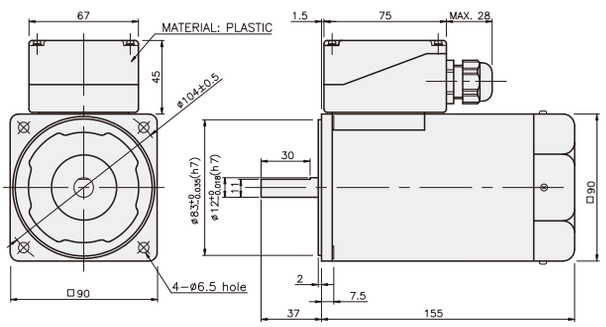
K9IS180F□



K9IS180F□-T

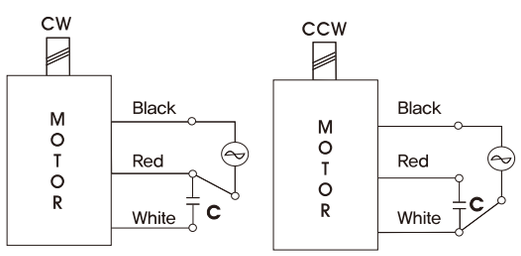


K9IS180F□-T5



CONNECTION DIAGRAMS

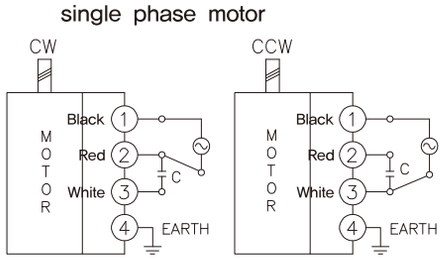
K9IS180F□



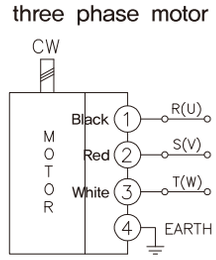
※The direction of motor rotation is as viewed from the front shaft end of the motor

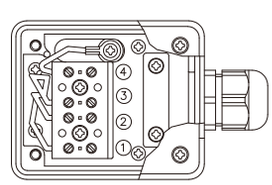
K9IS180F□-T

single phase motor



three phase motor

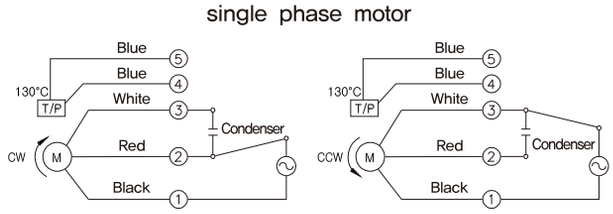




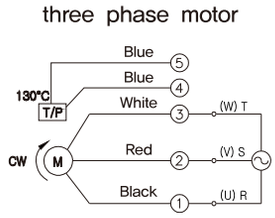
※The direction of motor rotation is as viewed from the front shaft end of the motor

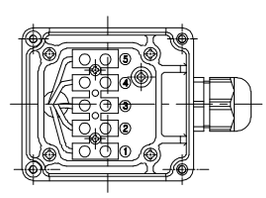
K9IS180F□-T5

single phase motor



three phase motor





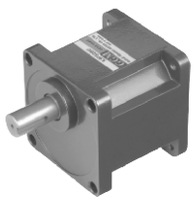
※The direction of motor rotation is as viewed from the front shaft end of the motor

connecting two leadwires of U,V,W in turns

GEARHEAD

DIMENSIONS

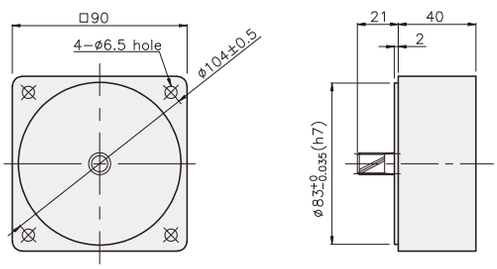
K9P□BU



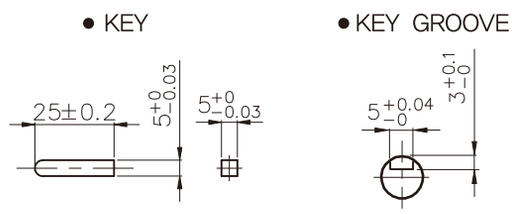
K9P□BUF

DECIMAL GEARHEAD

K9P10BX

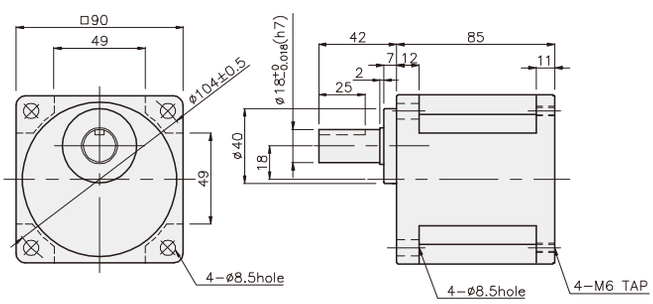


KEY SPEC

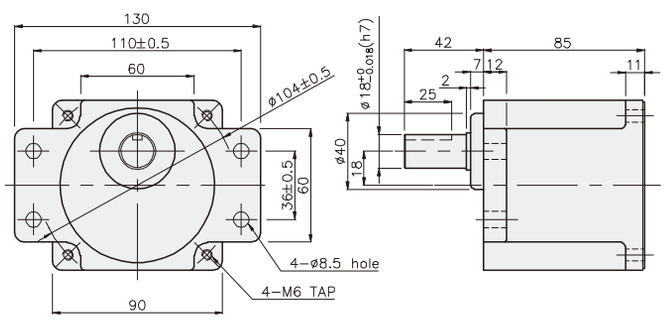


GEARHEAD

K9P□BU



K9P□BUF



GEARHEAD

DIMENSIONS

K9IP180F□ + K9P□BU

K9IP180F□ + K9P□BUF

DIMENSION TABLE

PART	WEIGHT(kg)
MOTOR	3.72
DECIMAL GEARHEAD	0.62

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

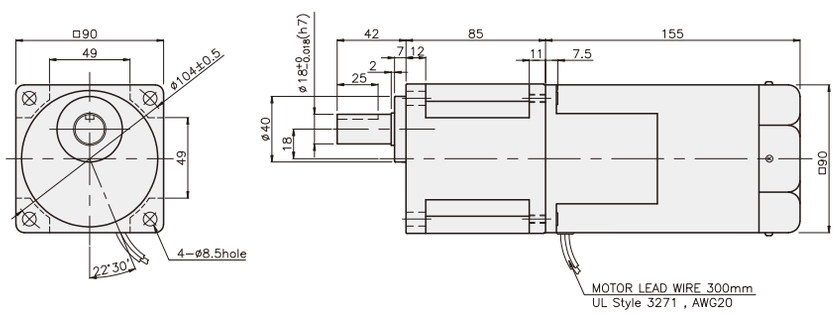
DIMENSION TABLE

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

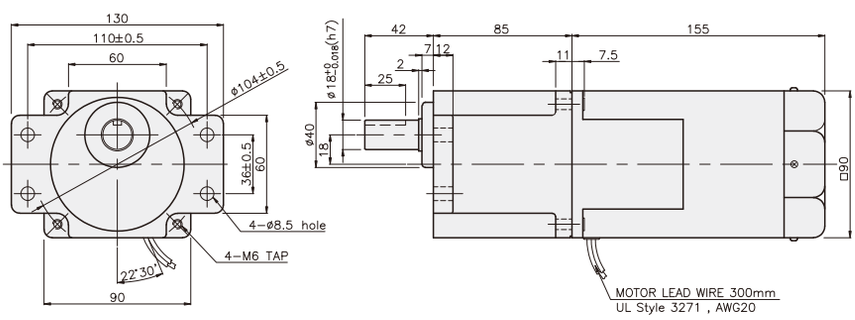
WEIGHT

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

K9IP180F□ + K9P□BU



K9IP180F□ + K9P□BUF

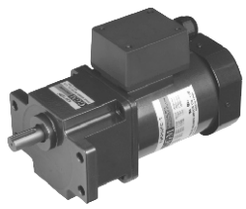


GEARHEAD

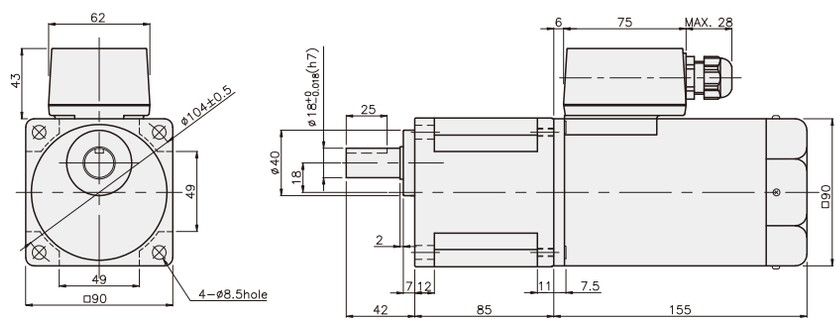
DIMENSIONS

K9IP180F□-T + K9P□BU

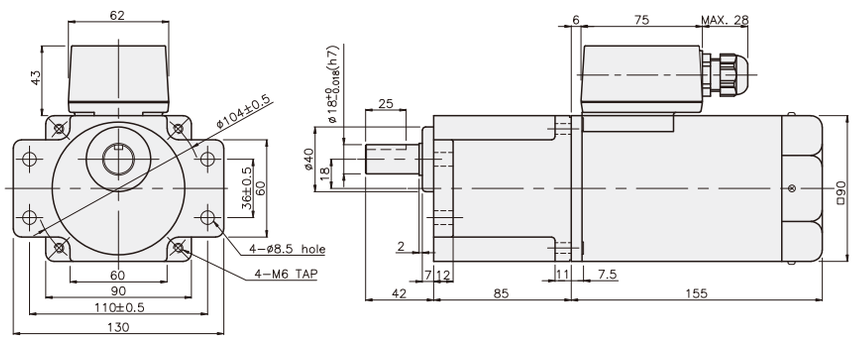
K9IP180F□-T + K9P□BUF



K9IP180F□-T + K9P□BU



K9IP180F□-T + K9P□BUF



WEIGHT

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

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

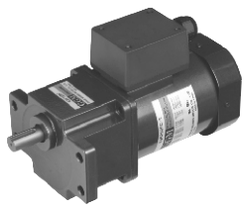
PART	WEIGHT(kg)
K9P3~10BUF	1,50
K9P12,5~20BUF	1,62
K9P25~60BUF	1,76
K9P75~200BUF	1,82

GEARHEAD

DIMENSIONS

K9IP180F□-T5 + K9P□BU

K9IP180F□-T5 + K9P□BUF



WEIGHT

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

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

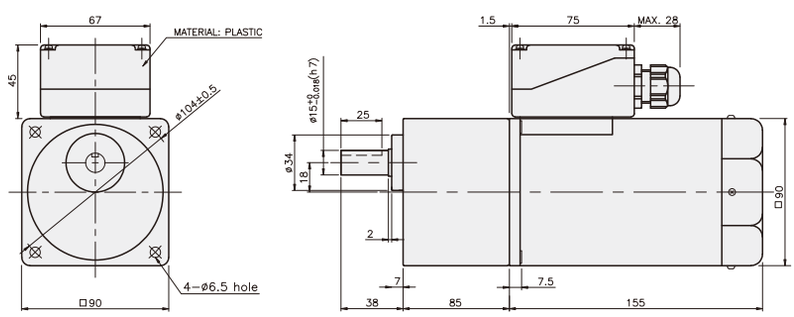
DIMENSION TABLE

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

K9IP180F□-T5 + K9P□BU



K9IP180F□-T5 + K9P□BUF