

INDUCTION MOTOR

60W

□90mm **LEAD WIRE TYPE**
TERMINAL BOX TYPE

K9IS60F□



K9IS60F□-T, T5



SPECIFICATIONS

60W 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□60FJ(-T, -T5)	single-phase	100	50	1,36	0,38/3,8	0,47/4,7	1250	20				
			60	1,37		0,38/3,8	1550					
K9I□60FU(-T, -T5)		110	115	60	1,21	0,37/3,7	0,38/3,8	1550	16			
				60	1,27		0,38/3,8			1550		
K9I□60FL(-T, -T5)		200	200	50	0,67	0,4/4	0,47/4,7	1250	5			
				60	0,69		0,38/3,8	1550				
K9I□60FC(-T, -T5)		220	230	50	0,58	0,38/3,8	0,47/4,7	1250	4			
				60	0,57		0,38/3,8	1550				
				K9I□60FD(-T, -T5)	240	50	0,69	0,44/4,4		0,47/4,7	1250	4
						60	0,69	0,44/4,4		0,47/4,7	1250	4
K9I□60FT(-T, -T5)	200	220	50	0,49	1,35/13,5	0,45/4,5	1300	-				
			60	0,45	1,05/10,5	0,38/3,8	1550					
K9I□60FH(-T, -T5)	230	230	50	0,55	1,6/16	0,435/4,35	1350	-				
			60	0,47	1,2/12	0,37/3,7	1600					
			K9I□60FM(-T, -T5)	380	50	0,6	1,65/16,5		0,435/4,35	1350	-	
					60	0,52	1,3/13		0,37/3,7	1600		
K9I□60FV(-T, -T5)	400	400	50	0,34	1,55/15,5	0,435/4,35	1350	-				
			60	0,25	1,19/11,9	0,37/3,7	1600					
K9I□60FQ(-T, -T5)	415	415	50	0,37	1,85/18,5	0,435/4,35	1350	-				
			60	0,28	1,42/14,2	0,37/3,7	1600					
K9I□60FZ(-T, -T5)	440	440	50	0,26	1,45/14,5	0,45/4,5	1300	-				
			60	0,21	1,15/11,5	0,37/3,7	1600					
K9I□60FZ(-T, -T5)	440	440	50	0,28	1,6/16	0,45/4,5	1300	-				
			60	0,23	1,25/12,5	0,37/3,7	1600					

* □ : SHAFT SHAPE (S : STRAIGHT, P : PINION) * FU, FC, FH, FH-T, FH-T5 which are in end of the model name is UL certified ones.
UL FILE NO. E204632 * 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	12,5	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□60F□(-T, -T5) K9P□B, BF	1,06	1,27	1,76	2,11	2,64	3,17	3,52	3,96	4,76	5,71	6,34	7,14	8,56	10,27	11,42	14,27	17,12	20	20	20	20	20	20	20	20
	10,6	12,7	17,6	21,1	26,4	31,7	35,2	39,6	47,6	57,1	63,4	71,4	85,6	102,7	114,2	142,7	171,2	200	200	200	200	200	200	200	200

● 60Hz

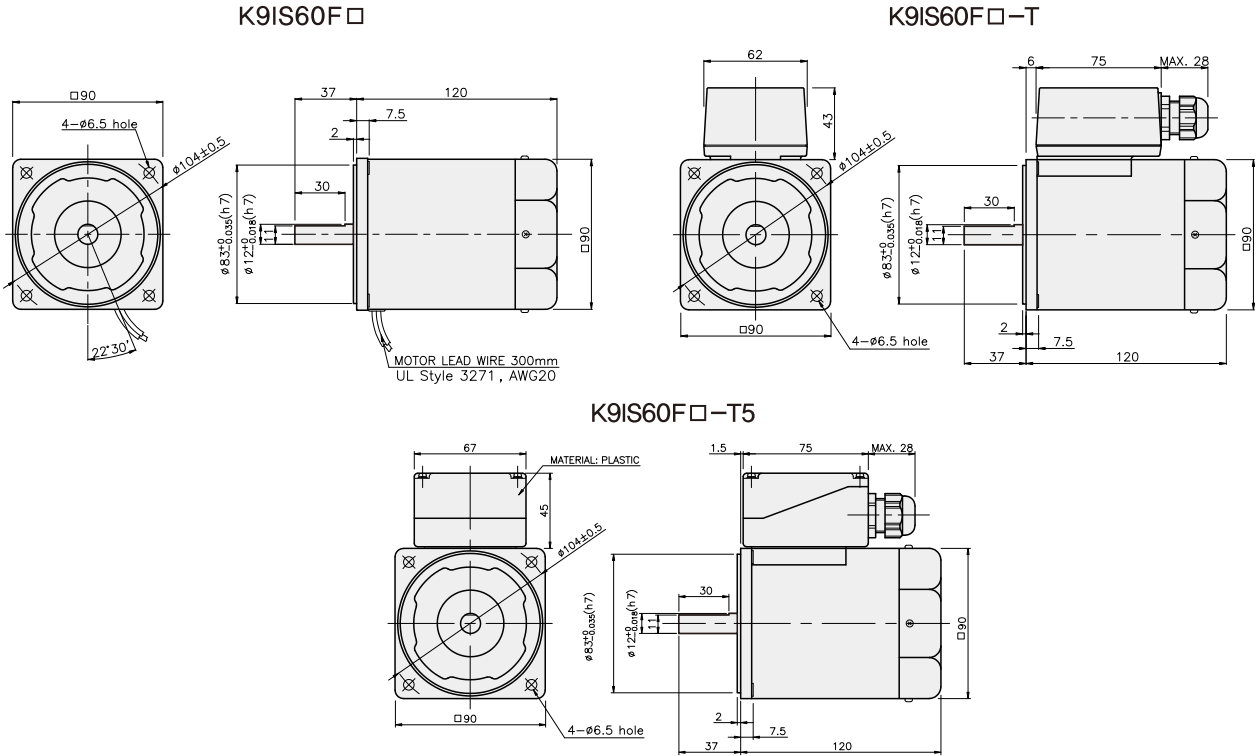
unit = above : N·m / below : Kgf·cm

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□60F□(-T, -T5) K9P□B, BF	0,90	1,08	1,50	1,80	2,25	2,70	3,00	3,37	4,05	4,86	5,39	6,07	7,28	8,74	9,71	12,14	14,57	16,39	20	20	20	20	20	20	20
	9,0	10,8	15,0	18,0	22,5	27,0	30,0	33,7	40,5	48,6	53,9	60,7	72,8	87,4	97,1	121,4	145,7	163,9	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

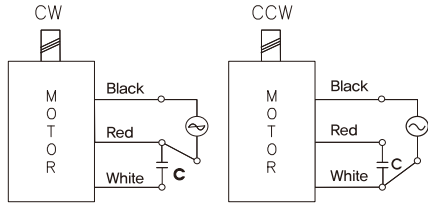
DIMENSIONS



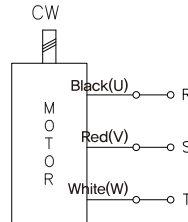
CONNECTION DIAGRAMS

K9IS60F□

single phase motor



three phase motor

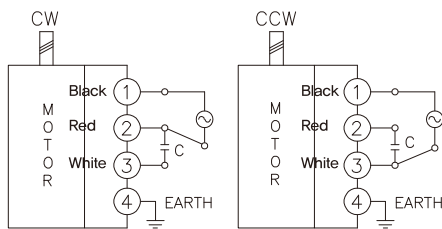


connecting two leadwires of U,V,W in turns

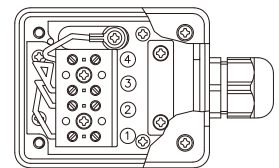
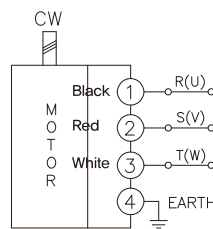
※The direction of motor rotation is as viewed from the front shaft end of the motor

K9IS60F□-T

single phase motor



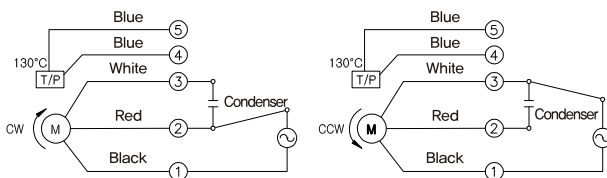
three phase motor



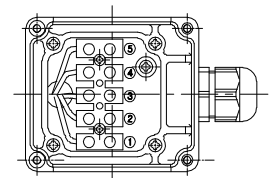
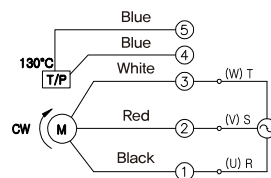
※The direction of motor rotation is as viewed from the front shaft end of the motor

K9IS60F□-T5

single phase motor



three phase motor



connecting two leadwires of U,V,W in turns

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

GEARHEAD

DIMENSIONS

K9P□B

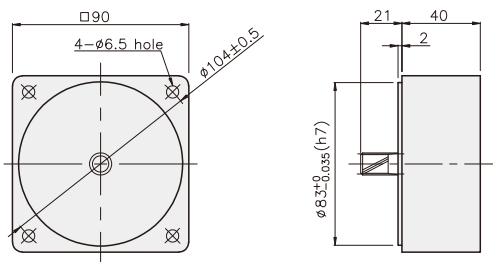


K9P□BF

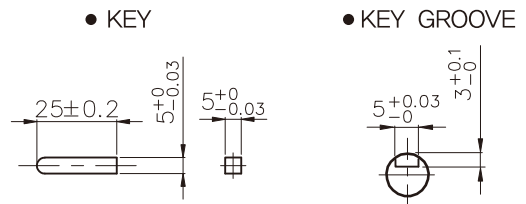


DECIMAL GEARHEAD

K9P10BX



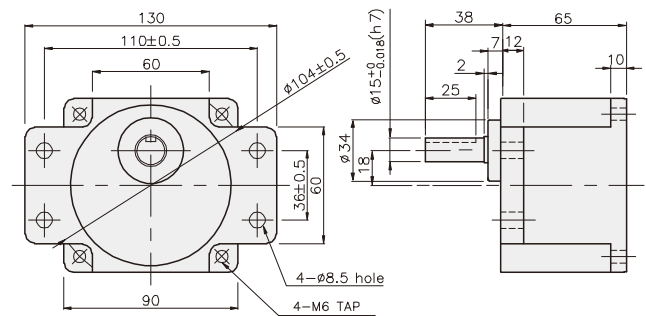
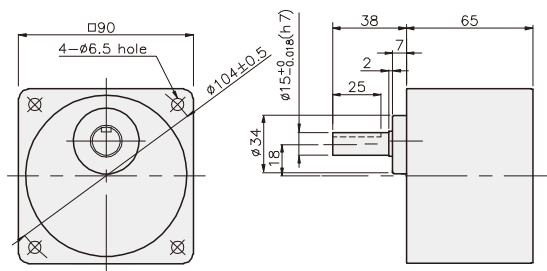
KEY SPEC



K9P□B

GEARHEAD

K9P□BF



GEARHEAD

DIMENSIONS

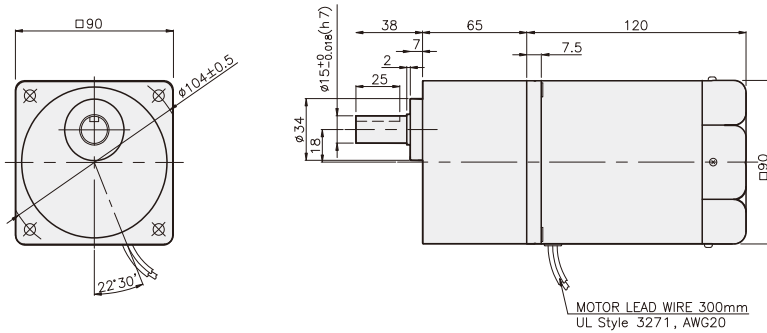
K9IP60F□ + K9P□B



K9IP60F□ + K9P□BF



K9IP60F□ + K9P□B



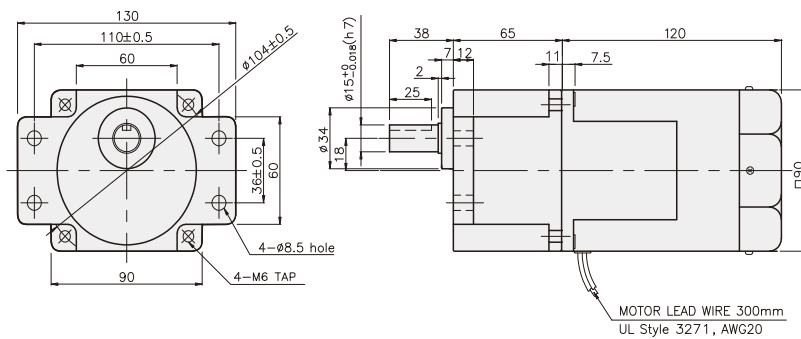
DIMENSION TABLE

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)	
MOTOR	2,50	
DECIMAL GEARHEAD	0,62	
GEAR HEAD	K9P3~10B	1,22
	K9P12.5~20B	1,32
	K9P25~60B	1,42
	K9P75~200B	1,45

K9IP60F□ + 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)	
MOTOR	2,50	
DECIMAL GEARHEAD	0,62	
GEAR HEAD	K9P3~10BF	1,22
	K9P12.5~20BF	1,30
	K9P25~60BF	1,42
	K9P75~200BF	1,44

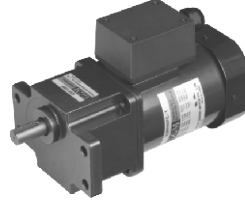
GEARHEAD

DIMENSIONS

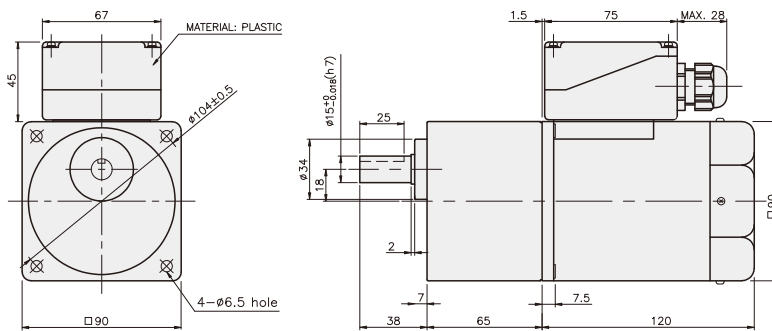
K9IP60F□-T5 + K9P□B



K9IP60F□-T5 + K9P□BF



K9IP60F□-T5 + K9P□B



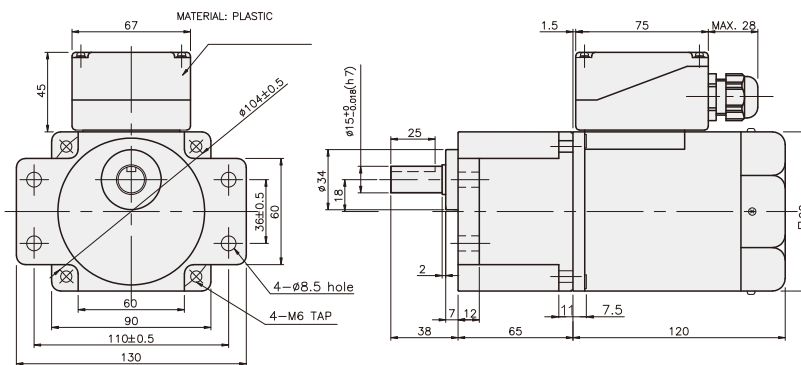
DIMENSION TABLE

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)	
MOTOR	2,68	
DECIMAL GEARHEAD	0,62	
GEAR HEAD	K9P3~10B	1,22
	K9P12.5~20B	1,32
	K9P25~60B	1,42
	K9P75~200B	1,45

K9IP60F□-T5 + 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)	
MOTOR	2,68	
DECIMAL GEARHEAD	0,62	
GEAR HEAD	K9P3~10BF	1,22
	K9P12.5~20BF	1,32
	K9P25~60BF	1,42
	K9P75~200BF	1,45