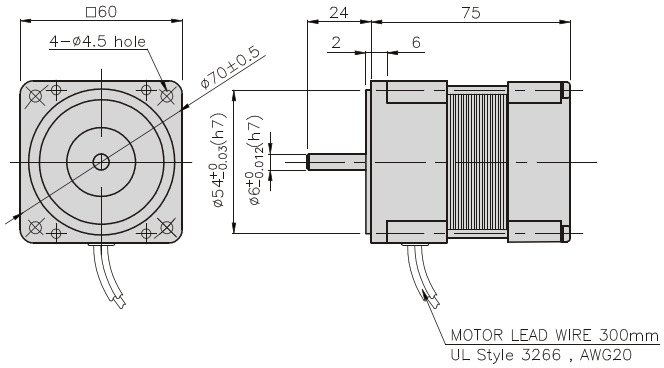
OPEN MOTORS

OPEN TYPE MOTORS

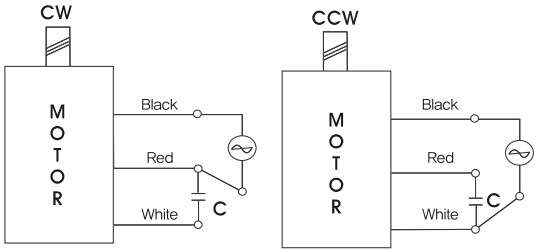
6W □60mm LEAD WIRE TYPE

DIMENSIONS

K6I□6A□



CONNECTION DIAGRAMS



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

SPECIFICATIONS

6W 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)
K6I□6AJ	single-phase	100	50	0.25	0.04/0.4	0.049/0.49	1200	3
			60	0.23		0.04/0.4	1500	
K6I□6AU		110	60	0.18	0.035/0.35	0.04/0.4	1500	2
		115		0.19	0.04/0.4			
K6I□6AL		200	50	0.11	0.045/0.45	0.049/0.49	1200	0.8
			60			0.04/0.4	1500	
K6I□6AC		220	50	0.11	0.04/0.4	0.047/0.47	1250	0.6
			60	0.1	0.035/0.35	0.04/0.4	1500	
		230	50	0.12	0.045/0.45	0.047/0.47	1250	
			60	0.11	0.04/0.4	0.04/0.4	1500	
K6I□6AD		240	50	0.12	0.045/0.45	0.047/0.47	1250	0.5

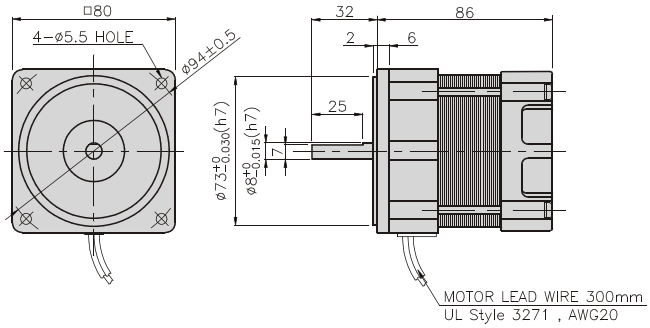
Motor spec is same as induction motor's. Applied gear head is K6G□B(C) Series.
Identify rated torque of gearhead in induction motor in order to find out the torque value of gearhead per gear ratios.
* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

OPEN TYPE MOTORS

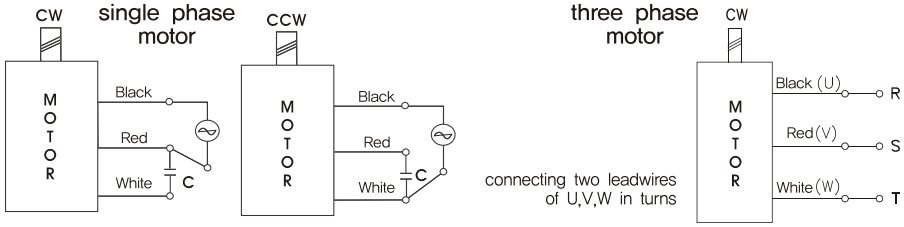
25W □80mm LEAD WIRE TYPE

DIMENSIONS

K8I□25A□



CONNECTION DIAGRAMS



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

SPECIFICATIONS

25W 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)
K8I□25AJ	single-phase	100	50	0.59	0.11/1.1	0.195/1.95	1250	7
			60	0.54		0.16/1.6	1550	
K8I□25AU		110	60	0.48	0.09/0.9	0.165/1.65	1500	5
		115		0.5	0.095/0.95			
K8I□25AL		200	50	0.26	0.115/1.15	0.195/1.95	1250	1.8
			60	0.28		0.16/1.6	1550	
K8I□25AC		220	50	0.28	0.11/1.1	0.195/1.95	1250	1.5
			60	0.25		0.16/1.6	1550	
		230	50	0.29	0.12/1.2	0.195/1.95	1250	
			60	0.26		0.16/1.6	1550	
K8I□25AD		240	50	0.3	0.11/1.1	0.195/1.95	1250	1.2
K8I□25AT	three-phase	200	50	0.27	0.5/5	0.19/1.9	1300	–
			60	0.24	0.4/4	0.16/1.6	1550	
K8I□25AH		220	50	0.28	0.6/6	0.185/1.85	1350	–
			60	0.24	0.48/4.8	0.155/1.55	1600	
		230	50	0.29	0.65/6.5	0.185/1.85	1350	
			60	0.25	0.52/5.2	0.155/1.55	1600	
K8I□25AM		380	50	0.17	0.6/6	0.19/1.9	1300	–
			60	0.14	0.48/4.8	0.155/1.55	1600	
K8I□25AV		400	50	0.17	0.73/7.3	0.19/1.9	1300	–
			60	0.15	0.6/6	0.155/1.55	1600	
K8I□25AQ		415	50	0.13	0.55/5.5	0.19/1.9	1300	–
			60	0.11	0.4/4	0.155/1.55	1600	
K8I□25AZ		440	50	0.14	0.63/6.3	0.19/1.9	1300	–
			60	0.12	0.5/5	0.155/1.55	1600	

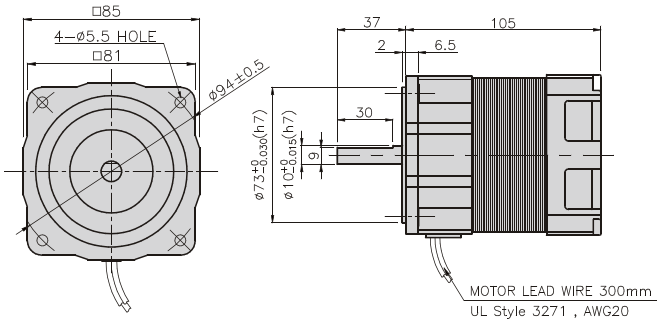
Motor spec is same as induction motor's. Applied gear head is K6G□B(C) Series.
Identify rated torque of gearhead in induction motor in order to find out the torque value of gearhead per gear ratios.
* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

OPEN TYPE MOTORS

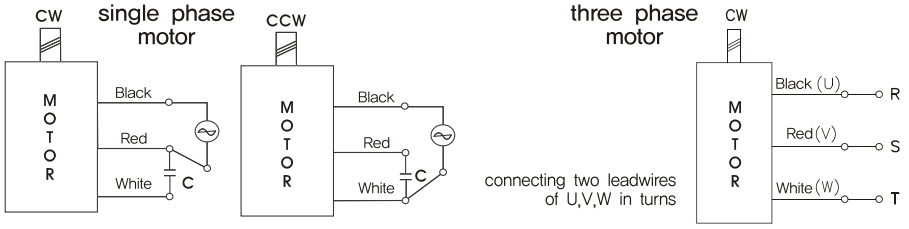
40W □80mm – 83MM LEAD WIRE TYPE

DIMENSIONS

K8I□40A□



CONNECTION DIAGRAMS



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

SPECIFICATIONS

40W 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)
K8I□40AJ	single–phase	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	
K8I□40AU		110	60	0.65	0.19/1.9	0.255/2.55	1550	8
		115		0.68	0.2/2			
K8I□40AL		200	50	0.4	0.22/2.2	0.315/3.15	1250	3
			60	0.41		0.255/2.55	1550	
K8I□40AC		220	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	
K8I□40AD		240	50	0.37	0.2/2	0.3/3	1300	2
K8I□40AT	three–phase	200	50	0.39	1/10	0.3/3	1300	–
			60	0.32	0.78/7.8	0.245/2.45	1600	
K8I□40AH		220	50	0.33	0.95/9.5	0.29/2.9	1350	–
			60	0.31	0.78/7.8	0.245/2.45	1600	
		230	50	0.41	1/10	0.29/2.9	1350	
			60	0.32	0.83/8.3	0.245/2.45	1600	
K8I□40AM		380	50	0.18	1/10	0.29/2.9	1350	–
			60		0.78/7.8	0.245/2.45	1600	
K8I□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	1600	
K8I□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	1600	
K8I□40AZ		440	50	0.19	1/10	0.29/2.9	1350	–
			60	0.16	0.79/7.9	0.245/2.45	1600	

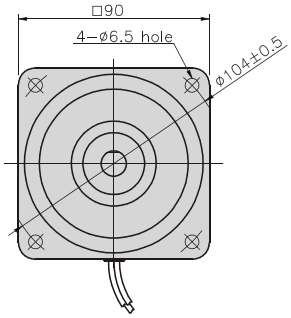
Motor spec is same as induction motor's. Applied gear head is K6G□B(C) Series.
Identify rated torque of gearhead in induction motor in order to find out the torque value of gearhead per gear ratios.
* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

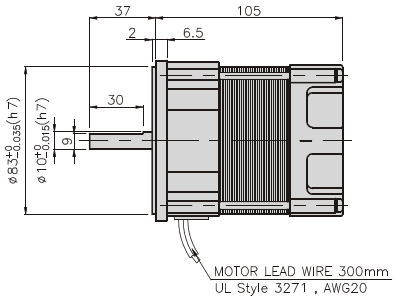
OPEN TYPE MOTORS

40W □90mm LEAD WIRE TYPE

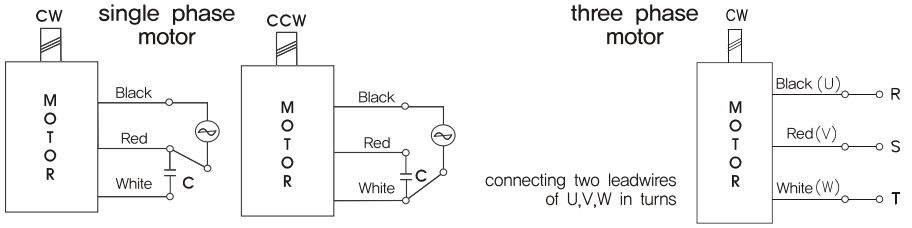
DIMENSIONS

K9I□40A□





CONNECTION DIAGRAMS



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

SPECIFICATIONS

40W continuous rating, four poles 60W

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N∗m/ kgf∗Cm)	Rated T. (N∗m/ kgf∗Cm)	Speed (rpm)	Condenser (μF)
K9I□40AJ	single-phase	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
		115		0.68	0.2/2			
K9I□40AL		200	50	0.4	0.22/2.2	0.315/3.15	1250	3
			60	0.41		0.255/2.55	1550	
K9I□40AC		220	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□40AD		240	50	0.39	0.2/2	0.3/3	1300	2
K9I□40AT	three-phase	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	–
			60	0.31	0.78/7.8	0.245/2.45	1600	
		230	50	0.41	1/10	0.29/2.9	1350	
			60	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	1600	
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	1600	
K9I□40AZ		440	50	0.19	1/10	0.29/2.9	1350	–
			60	0.16	0.79/7.9	0.245/2.45	1600	

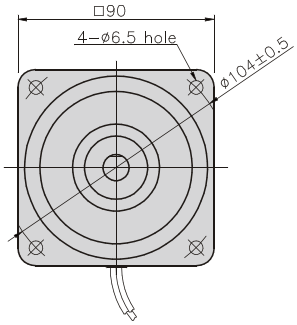
Motor spec is same as induction motor's. Applied gear head is K6G□B(C) Series.
Identify rated torque of gearhead in induction motor in order to find out the torque value of gearhead per gear ratios.
* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

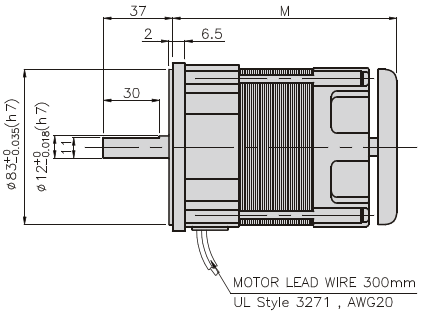
OPEN TYPE MOTORS

60W ~200W □90mm LEAD WIRE TYPE

DIMENSIONS

K9I□60B□~K9I□200B□

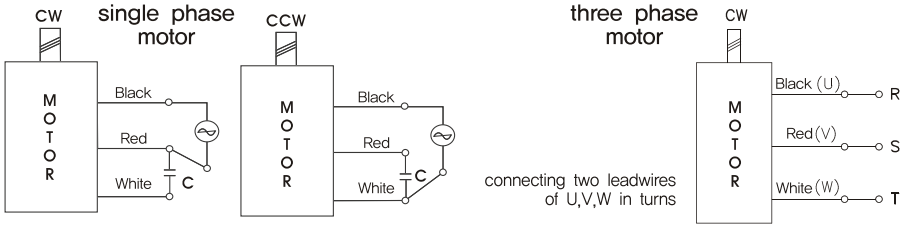




CONNECTION DIAGRAMDS

DIMENSION TABLE

M	MOTOR
120	K9I□60B□
135	K9I□90B□, K9I□120B□(60Hz)~K9I□150B□ (60Hz)
165	K9I□120B□(50Hz)~K9I□150B□ (50Hz) K9I□180B□~K9I□200B□



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

SPECIFICATIONS

60W

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N*m/ kgf*Cm)	Rated T. (N*m/ kgf*Cm)	Speed (rpm)	Condenser (μF)
K9I□60BJ	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□60BU		110	60	1.21	0.37/3.7	0.38/3.8	1550	16
		115		1.27				
K9I□60BL		200	50	0.67	0.4/4	0.47/4.7	1250	5
			60	0.69		0.38/3.8	1550	
K9I□60BC		220	50	0.58	0.38/3.8	0.47/4.7	1250	4
			60	0.57		0.38/3.8	1550	
		230	50	0.63	0.4/4	0.47/4.7	1250	
			60			0.38/3.8	1550	
K9I□60BD		240	50	0.69	0.44/4.4	0.47/4.7	1250	4
K9I□60BT	three-phase	200	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□60BH		220	50	0.55	1.6/16	0.435/4.35	1350	–
			60	0.47	1.2/12	0.37/3.7	1600	
		230	50	0.6	1.65/16.5	0.435/4.35	1350	
			60	0.52	1.3/13	0.37/3.7	1600	
K9I□60BM		380	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□60BV		400	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□60BQ		415	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□60BZ		440	50	0.28	1.6/16	0.45/4.5	1300	–
			60	0.23	1.25/12.5	0.37/3.7	1600	

Motor spec is same as induction motor's. Applied gear head is K6G□B(C) Series.
Identify rated torque of gearhead in induction motor in order to find out the torque value of gearhead per gear ratios.
* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

OPEN TYPE MOTORS

SPECIFICATIONS

90W

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N∗m/ kgf∗Cm)	Rated T. (N∗m/ kgf∗Cm)	Speed (rpm)	Condenser (μF)
K9I□90BJ	single-phase	100	50	2.07	0.55/5.5	0.675/6.75	1300	30
			60	1.97		0.55/5.5	1600	
K9I□90BU		110	60	1.47	0.44/4.4	0.55/5.5	1600	20
		115		1.52	0.485/4.85			
K9I□90BL		200	50	0.75	0.5/5	0.675/6.75	1300	7
			60	0.97		0.57/5.7	1550	
K9I□90BC		220	50	0.8	0.45/4.5	0.675/6.75	1300	6
			60	0.9	0.5/5	0.57/5.7	1550	
		230	50	0.87	0.55/5.5	0.675/6.75	1300	
			60	0.93		0.57/5.7	1550	
K9I□90BD		240	50	0.85	0.5/5	0.675/6.75	1300	5
K9I□90BT	three-phase	200	50	0.79	2.25/22.5	0.65/6.5	1350	–
			60	0.72	1.75/17.5	0.55/5.5	1600	
K9I□90BH		220	50	0.72	2.35/23.5	0.65/6.5	1350	–
			60	0.63	1.8/18	0.55/5.5	1600	
		230	50	0.86	2.45/24.5	0.65/6.5	1350	
			60	0.66	1.95/19.5	0.55/5.5	1600	
K9I□90BM		380	50	0.43	2.35/23.5	0.65/6.5	1350	–
			60	0.37	1.7/17	0.55/5.5	1600	
K9I□90BV		400	50	0.52	2.65/26.5	0.65/6.5	1350	–
			60	0.45	2.1/21	0.55/5.5	1600	
K9I□90BQ		415	50	0.39	2/20	0.68/6.8	1300	–
			60	0.31	1.5/15	0.55/5.5	1600	
K9I□90BZ		440	50	0.45	2.1/21	0.68/6.8	1300	–
			60	0.39	1.7/17	0.55/5.5	1600	

120W

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N∗m/ kgf∗Cm)	Rated T. (N∗m/ kgf∗Cm)	Speed (rpm)	Condenser (μF)
K9I□120BJ	single-phase	100	50	2.2	0.6/6	0.9/9	1300	35
			60		0.65/6.5	0.735/7.35	1600	
K9I□120BU		110	60	2.13	0.65/6.6	0.735/7.35	1600	30
		115		2.3	0.7/7			
K9I□120BL		200	50	1.07	0.65/6.5	0.9/9	1300	8.5
			60	1.22	0.6/6	0.755/7.55	1550	8
K9I□120BC		220	50	0.82	0.55/5.5	0.9/9	1300	6
		230		0.85	0.6/6			
		220	60	1	0.6/6	0.735/7.35	1600	7
		230		1.1	0.65/6.5			
K9I□120BD		240	50	0.9	0.6/6	0.9/9	1300	6

Motor spec is same as induction motor's. Applied gear head is K6G□B(C) Series.
Identify rated torque of gearhead in induction motor in order to find out the torque value of gearhead per gear ratios.
* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

OPEN TYPE MOTORS

SPECIFICATIONS

150W

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N∗m/ kgf∗Cm)	Rated T. (N∗m/ kgf∗Cm)	Speed (rpm)	Condenser (μF)
K9I□150BT	three-phase	200	50	1.2	3.5/35	1.13/11.3	1300	–
			60	0.95	2.65/26.5	0.915/9.15	1600	
K9I□150BH		220	50	0.99	2.95/29.5	1.13/11.3	1300	–
		230		1.1	3/30			
		220	60	0.97	2.5/25	0.915/9.15	1600	–
		230		1.02	2.7/27			
K9I□150BM		380	50	0.57	3/30	1.13/11.3	1300	–
			60		2.25/22.5	0.915/9.15	1600	
K9I□150BV		400	50	0.6	3.5/35	1.13/11.3	1300	–
			60		2.5/25	0.915/9.15	1600	
K9I□150BQ		415	50	0.57	3.15/31.5	1.13/11.3	1300	–
			60	0.42	2.35/23.5	0.915/9.15	1600	
K9I□150BZ		440	50	0.53	3.3/33	1.085/10.85	1350	–
			60	0.44	2.6/26	0.915/9.15	1600	

Motor spec is same as induction motor's. Applied gear head is K6G□B(C) Series.
Identify rated torque of gearhead in induction motor in order to find out the torque value of gearhead per gear ratios.
* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)

OPEN TYPE MOTORS

SPECIFICATIONS

180W

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N∗m/ kgf∗Cm)	Rated T. (N∗m/ kgf∗Cm)	Speed (rpm)	Condenser (μF)
K9I□180BJ	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□180BU		110	60	2.85	0.8/8	1.1/11	1600	35
		115		3.06				
K9I□180BL		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□180BC		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□180BD		240	50	1.2	0.8/8	1.35/13.5	1300	8

200W

Model		Voltage (V)	Frequency (Hz)	Current (A)	Start T. (N∗m/ kgf∗Cm)	Rated T. (N∗m/ kgf∗Cm)	Speed (rpm)	Condenser (μF)
K9I□200BT	three-phase	200	50	1.62	4/40	1.5/15	1300	–
			60	1.29	3.15/31.5	1.22/12.2	1600	
K9I□200BH		220	50	1.36	4.25/42.5	1.45/14.5	1350	–
			60	1.06	3.4/34	1.22/12.2	1600	
		230	50	1.51	4.3/43	1.45/14.5	1350	–
			60	1.15	3.5/35	1.22/12.2	1600	
K9I□200BM		380	50	0.81	4.3/43	1.45/14.5	1350	–
			60	0.58	3.6/36	1.22/12.2	1600	
K9I□200BV		400	50	0.91	4.5/45	1.45/14.5	1350	–
			60	0.67	4/40	1.22/12.2	1600	
K9I□200BQ		415	50	0.62	3.8/38	1.5/15	1300	–
			60	0.58	3/30	1.26/12.6	1550	
K9I□200BZ		440	50	0.68	4.1/41	1.5/15	1300	–
			60	0.54	3/30	1.22/12.2	1600	

Motor spec is same as induction motor's. Applied gear head is K6G□B(C) Series.
Identify rated torque of gearhead in induction motor in order to find out the torque value of gearhead per gear ratios.
* □ : SHAFT SHAPE (S : STRAIGHT, G : PINION)