

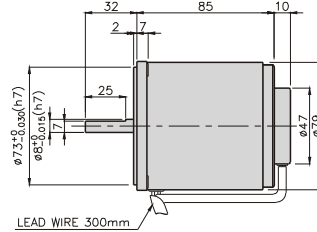
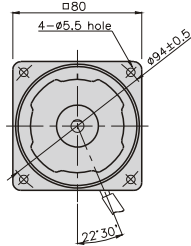
SPEED CONTROL MOTOR - SP SERIES

25W

□80mm

INDUCTION MOTOR

K8IS25N□-SP



SPECIFICATIONS

25W continuous rating, four poles

Model	Maximum Output(W)	Voltage(V)	Frequency (Hz)	Speed Range (rpm)	Permissible Torque		Start T. (N*m/Kgf*cm)	Current (A)	Condenser (μF)
					1200rpm (N*m/kgf*cm)	90rpm (N*m/kgf*cm)			
K8I□25NJ-SP	25	100	50	90 ~ 1400	0,2/2	0,05/0,5	0,08/0,8	0,8	7
			60	90 ~ 1700					
K8I□25NU-SP	25	110	60	90 ~ 1700	0,2/2	0,05/0,5	0,08/0,8	0,67	5
		115						0,68	
K8I□25NL-SP	25	200	50	90 ~ 1400	0,19/1,9	0,047/0,47	0,085/0,085	0,36	1,8
			60	90 ~ 1700	0,13/1,3	0,043/0,43		0,38	
K8I□25NC-SP	25	220	50	90 ~ 1400	0,19/1,9	0,047/0,47	0,08/0,8	0,38	1,5
			60	90 ~ 1700	0,13/1,3	0,043/0,43		0,35	
		230	50	90 ~ 1400	0,19/1,9	0,047/0,47	0,087/0,87	0,4	
			60	90 ~ 1700	0,13/1,3	0,043/0,43		0,36	
K8I□25ND-SP	25	240	50	90 ~ 1400	0,19/1,9	0,047/0,47	0,08/0,8	0,42	1,2

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

RATED TORQUE OF GEARHEAD

● Single-phase 100V/115V

unit = above : N · m / below : kgfcm

Model Motor/Gearhead	Ratio Speed(rpm)	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	
K8IG25N□-SP K8G□B(C)	1200	0,49 4,9	0,58 5,8	0,81 8,1	0,97 9,7	1,22 12,2	1,46 14,6	1,62 16,2	2,03 20,3	2,43 24,3	2,92 29,2	2,92 29,2	3,65 36,5	4,37 43,7	5,25 52,5	5,83 58,3	6,56 65,6	7,87 78,7	8 80	8 80	8 80	8 80	8 80	8 80	8 80	8 80	8 80
	90	0,12 1,2	0,15 1,5	0,20 2,0	0,24 2,4	0,30 3,0	0,36 3,6	0,41 4,1	0,51 5,1	0,61 6,1	0,73 7,3	0,73 7,3	0,91 9,1	1,09 10,9	1,31 13,1	1,46 14,6	1,64 16,4	1,97 19,7	2,46 24,6	2,95 29,5	3,28 32,8	3,94 39,4	4,92 49,2	5,90 59,0	6,56 65,6	8 80	

● Single-phase 200V/240V

unit = above : N · m / below : kgfcm

Model Motor/Gearhead	Ratio Speed(rpm)	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	
K8IG25N□-SP K8G□B(C)	1200	200V/220V/230V/240V/50Hz	0,46 4,6	0,55 5,5	0,77 7,7	0,92 9,2	1,15 11,5	1,39 13,9	1,54 15,4	1,92 19,2	2,31 23,1	2,77 27,7	2,77 27,7	3,46 34,6	4,16 41,6	4,99 49,9	5,54 55,4	6,23 62,3	7,48 74,8	9,35 93,5	11,22 112,2	8 80	8 80	8 80	8 80	8 80	8 80
		200V/220V/230V/60Hz	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	1,32 13,2	1,58 15,8	1,90 19,0	1,90 19,0	2,37 23,7	2,84 28,4	3,41 34,1	3,79 37,9	4,26 42,6	5,12 51,2	6,40 64,0	7,68 76,8	8 80	8 80	8 80	8 80	8 80	8 80
	90	200V/220V/230V/240V/50Hz	0,11 1,1	0,14 1,4	0,19 1,9	0,23 2,3	0,29 2,9	0,34 3,4	0,38 3,8	0,48 4,8	0,57 5,7	0,69 6,9	0,69 6,9	0,86 8,6	1,03 10,3	1,23 12,3	1,37 13,7	1,54 15,4	1,85 18,5	2,31 23,1	2,78 27,8	3,08 30,8	3,70 37,0	4,63 46,3	5,55 55,5	6,17 61,7	7,71 77,1
		200V/220V/230V/60Hz	0,10 1,0	0,13 1,3	0,17 1,7	0,21 2,1	0,26 2,6	0,31 3,1	0,35 3,5	0,44 4,4	0,52 5,2	0,63 6,3	0,63 6,3	0,78 7,8	0,94 9,4	1,13 11,3	1,25 12,5	1,41 14,1	1,69 16,9	2,12 21,2	2,54 25,4	2,82 28,2	3,39 33,9	4,23 42,3	5,08 50,8	5,64 56,4	7,05 70,5

* Gearhead and decimal gearhead are sold separately.

* The code in □ of gearhead model is for gear ratio.

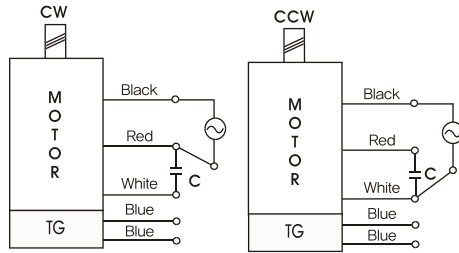
* ■ color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.

* 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 8N · m/80kgfcm. But, if you install 1/25~1/40 gearhead, the permissible torque is 6N · m/60kgfcm.

* 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.

GEARHEADS

CONNECTION DIAGRAMS



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

DIMENSIONS

K8G□B(C)

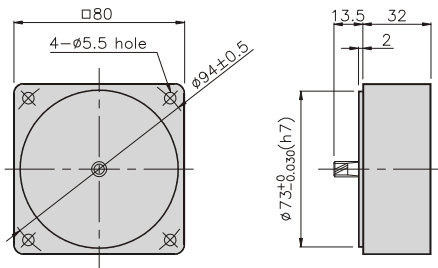


K8IG25N□-SP + K8G□B(C)



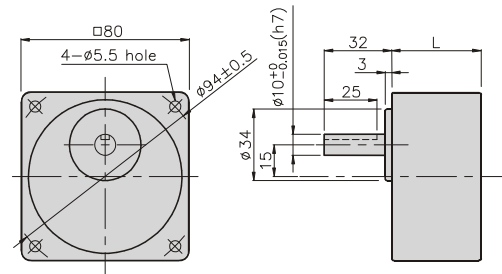
DECIMAL GEARHEAD

K8G10BX



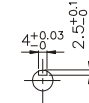
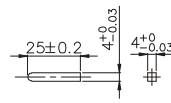
GEARHEAD

K8G□B(C)



• KEY

• KEY GROOVE



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	1,60	
DECIMAL GEAR HEAD	0,46	
GEAR HEAD	K8G3~18B(C)	0,51
	K8G20~40B(C)	0,64
	K8G50~250B(C)	0,70

K8IG25N□-SP + K8G□B(C)

