6W

ELECTROMAGNETIC BRAKE MOTOR
□60㎜ LEAD WIRE TYPE

SIZE mm sq.	Type	Poles	Output	Voltage	Frequency	Duty	Rated Load				Starting Torque		Capacitor
							Current	Speed	Torque				
			(W)	(V)	(Hz)		(A)	(rpm)	(kg-cm)	(N-m)	(kg-cm)	(N-m)	(uF)
60	S6R06GA-E S6R06GA-ECE	4	6	1Ø 110	60	30min.	0.23	1500	0.40	0.040	0.65	0.065	3.0
	S6R06GB-E S6R06GB-ECE	4	6	1Ø 220	60	30min.	0.12	1550	0.40	0.040	0.70	0.070	0.8
	S6R06GC-E	4	6	1Ø 100	50	30min.	0.21	1200	0.50	0.050	0.50	0.050	3.0
	S6R06GC-ECE				60			1450	0.42	0.042			
	S6R06GD-E	4	6	1Ø 200	50	30min.	0.11	1200	0.50	0.050	0.55	0.055	0.8
	S6R06GD-ECE				60			1500	0.42	0.042			
	S6R06GE-E	4	6	1Ø 100	50	30min.	0.20	1200	0.52	0.052	0.60	0.060	3.5
	S6R06GE-ECE				60		0.23	1500	0.43	0.043			
				1Ø 115	60		0.17	1550	0.40	0.040	0.58	0.058	2.3
	S6R06GX-E	4	6	1Ø 220	50	30min.	0.09	1200	0.50	0.050	0.55	0.055	0.7
	S6R06GX-ECE			1Ø 240			0.10		0.52	0.052	0.65	0.065	

❖ S6R06GE-E is UL approved(UL FILE NO. E172722) impedance protected.
❖ Appropriate capacitors shall be used according to the voltage for S6R06GE-E type since the size of the capacitor differs by different voltages. Malfunction may occur when not used properly. Capacitor for 115V will be delivered otherwise the required voltage is informed.
❖ CE marked at the end of model name indicates that it is impedance protected type which has received CE. S6R06GE-ECE is available only for 115V specification.
❖ Above data is measured with brake removed from electromagnetic brake motor.
❖ "L" or "H" type does not apply to motors under 40W.

50Hz

GEAR RATIO / MODEL		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
	rpm	500	416	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12	10	8	7.5	6
S6DA□B	kg-cm	1.3	1.5	2.1	2.6	3.2	3.9	4.3	5.4	6.4	7.7	7.7	9.7	11.6	13.9	15.5	17.5	21.0	26.2	30.0	30.0	30.0	30.0	30.0	30.0	30.0
	N·m	0.127	0.147	0.206	0.255	0.314	0.382	0.421	0.529	0.627	0.755	0.755	0.951	1.137	1.362	1.519	1.715	2.058	2.568	2.942	2.942	2.942	2.942	2.942	2.942	2.942

60Hz

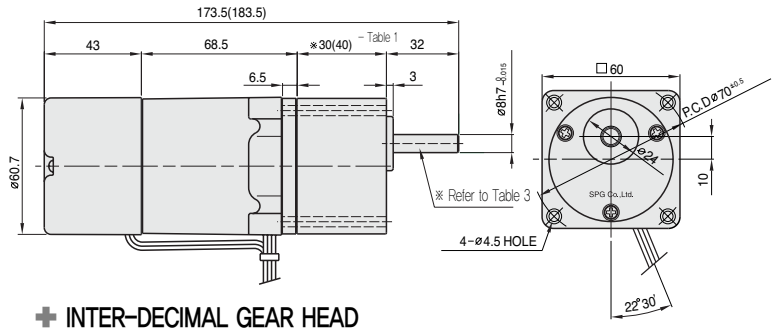
GEAR RATIO / MODEL		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250
	rpm	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9	7.2
S6DA□B	kg.-cm	1.0	1.3	1.7	2.1	2.6	3.1	3.5	4.4	5.2	6.3	6.3	7.8	9.4	11.3	12.6	14.2	17.0	21.3	25.5	28.4	30.0	30.0	30.0	30.0	30.0
	N·m	0.098	0.127	0.167	0.206	0.255	0.304	0.343	0.431	0.510	0.617	0.617	0.764	0.921	1.107	1.235	1.392	1.666	2.087	2.499	2.783	2.942	2.942	2.942	2.942	2.942

❖ The code in □ of gearhead model is for gear ratio.
❖ It is the permissible torque of the assembled motor and gearhead.
❖ The permissible torque of the motor and inter-decimal gearhead is 30 kg-cm.
❖ ■ 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.
❖ Rpm is based on synchronous speed (50Hz: 1500rpm, 60Hz: 1800rpm) divided by gear ratio. The actual rotation speed can be 2~20% less than displayed value depending on the load.
❖ "L" or "H" type does not apply to motors under 40W.

DIMENSIONS

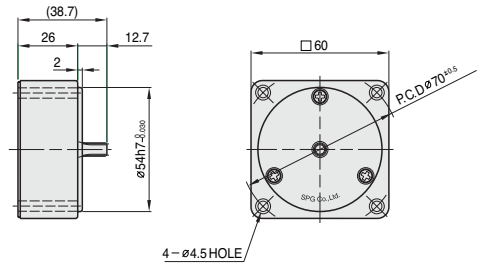
✚ GEARED MOTOR

※MOTOR MODEL : S6R06G□-E
※HEAD MODEL : S6□A3□~S6□A250□



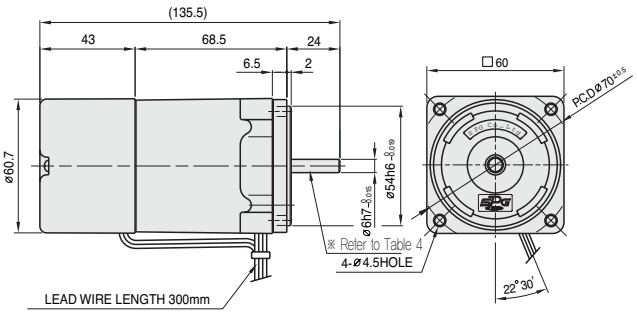
✚ INTER-DECIMAL GEAR HEAD

※MODEL : S6GX10B



✚ MOTOR

※MOTOR MODEL : S6R06□□-E



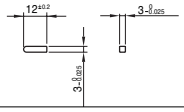
✚ ※30(40) - (Table1)

GEAR RATIO	SIZE(㎜)
S6□A3□ ~ S6□A18□	30
S6□A20□ ~ S6□A250□	40

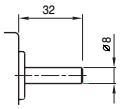
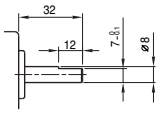
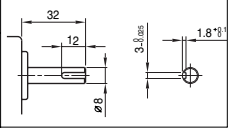
✚ WEIGHT - (Table2)

PART		WEIGHT(kg)
MOTOR		0.95
DECIMAL GEAR HEAD		0.18
GEAR HEAD	S6□A3□ ~S6□A18□	0.24
	S6□A20□ ~S6□A40□	0.30
	S6□A50□ ~S6□A250□	0.33

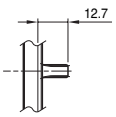
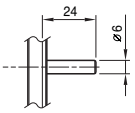
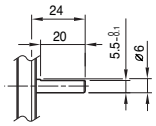
✚ KEY SPEC

GEAR HEAD


✚ SPEC for output shaft of gearhead - (Table3)

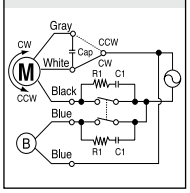
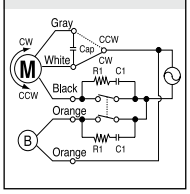
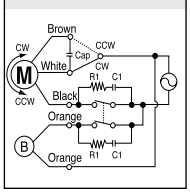
MODEL	TYPES OF OUTPUT SHAFT
STRAIGHT TYPE S6SA3□ ~S6SA250□	
D-CUT TYPE S6DA3□ ~S6DA250□	
KEY TYPE S6KA3□ ~S6KA250□	

✚ SPEC for output shaft of motor - (Table4)

MODEL	TYPES OF OUTPUT SHAFT
GEAR TYPE S6R06G□-E	
STRAIGHT TYPE S6R06S□-E	
D-CUT TYPE S6R06D□-E	

SCHEMATIC DIAGRAMS

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

S6R06GA-E S6R06GA-ECE S6R06GC-E S6R06GE-E S6R06GC-ECE S6R06GE-ECE	S6R06GB-E S6R06GB-ECE S6R06GD-E S6R06GD-ECE	S6R06GX-E S6R06GX-ECE
CW,CCW	**CW,CCW**	**CW,CCW**
		

R_1 = 10 ~ 200 Ω (Min.1/4W)
C_1 = 0.1 ~ 0.33㎌ (AC125WV or AC250WV)