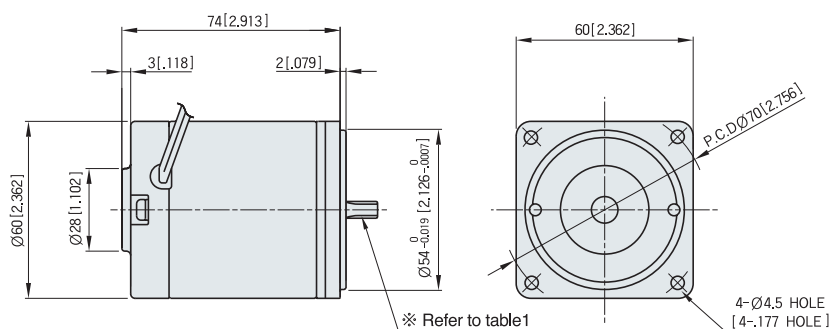




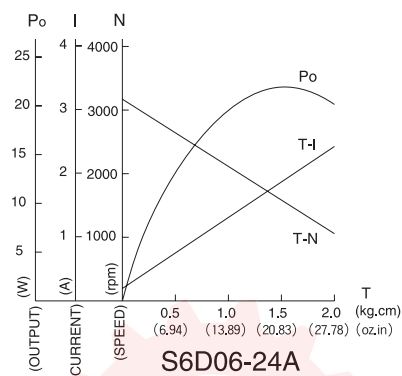
STANDARD TYPE S6D SERIES [6~10W]

MOTOR DIMENSION

UNIT : mm[inch]



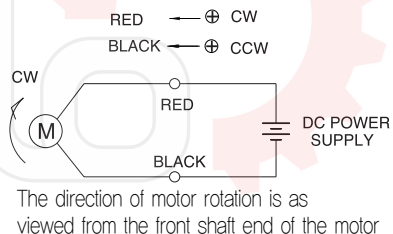
CHARACTERISTIC CURVE



▼ SPEC for output shaft of motor-(Table1)

MODEL	GEARED TYPE	STRAIGHT TYPE	D-CUT TYPE
	S6D06-□A S6D10-□A	S6D06-□S S6D10-□S	S6D06-□D S6D10-□D
TYPE OF OUTPUT SHAFT			

CIRCUIT DIAGRAM



MOTOR SPECIFICATION

(Voltage : DC 24V)

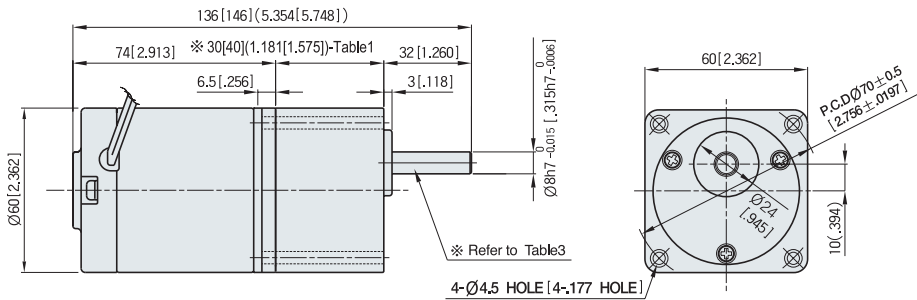
Type	Voltage	Output	No Load		At Rated Lod				Run Duty	Weight
			Speed	Current(MAX.)	Speed	Torque		Current		
	V	W	RPM	A	RPM			A	Hr	Kg
S6D06-12□	12	6	3100	0.70	2800	0.021	N-m	0.80	2000	0.6
						2.9	oz-in			
						0.21	kgf · cm			
S6D06-24□	24	6	3200	0.40	2950	0.020	N-m	0.50	2000	0.6
						2.8	oz-in			
						0.20	kgf · cm			
S6D06-90□	90	6	3000	0.10	2800	0.021	N-m	0.15	2000	0.6
						2.9	oz-in			
						0.21	kgf · cm			
S6D10-12□	12	10	3300	0.90	3000	0.032	N-m	1.60	2000	0.6
						4.6	oz-in			
						0.33	kgf · cm			
S6D10-24□	24	10	3300	0.50	3000	0.032	N-m	0.80	2000	0.6
						4.6	oz-in			
						0.33	kgf · cm			
S6D10-90□	90	10	3300	0.15	3100	0.030	N-m	0.20	2000	0.6
						4.3	oz-in			
						0.31	kgf · cm			

※ Run duty is valued at rated Voltage and No load

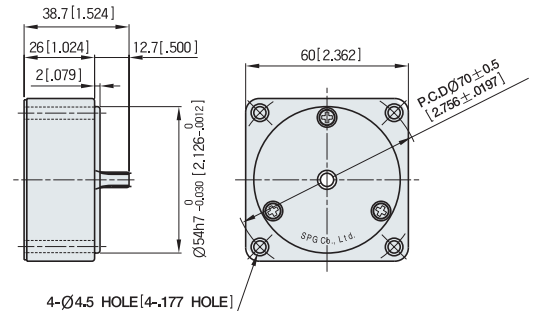
GEARED MOTOR SPECIFICATION

UNIT : mm[inch]

▼ GEARED MOTOR ※ MOTOR MODEL : S6D06-□A, S6D10-□A ※ HEAD MODEL : S6□A3□~S6□A250□



▼ INTER-DECIMAL GEAR HEAD ※ MODEL : S6GX10B



▼ ※30[40] – (Table1)

GEAR RATIO	SIZE:mm[inch]
S6 □ A3 □ ~ S6 □ A18 □	30[1.181]
S6 □ A20 □ ~ S6 □ A250 □	40[1.575]

▼ WEIGHT – (Table2)

PART		WEIGHT:kg(oz)
MOTOR		0.6/0.7(21.2/24.7)
DECIMAL GEAR HEAD		0.18(6.3)
GEAR HEAD	S6 □ A3 □ ~ S6 □ A18 □	0.24(8.5)
	S6 □ A20 □ ~ S6 □ A40 □	0.30(10.6)
	S6 □ A50 □ ~ S6 □ A250 □	0.33(11.6)

▼ SPEC for output shaft of gearhead-(Table3)

MODEL	TYPES OF OUTPUT SHAFT
STRAIGHT TYPE S6SA3 □ ~ S6SA250 □	
KEY TYPE S6KA3 □ ~ S6KA250 □	

▼ KEY SPEC

GEAR HEAD

GEAR HEAD RATED LOAD

1. S6D06-24A

MODEL	GEAR 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
S6DA□B	No Load rpm	1067	889	640	533	427	356	320	256	213	178	160	128	107	89	80	64	53	43	36	32	27	21	18	16	13
	N-m	0.05	0.06	0.08	0.10	0.12	0.14	0.16	0.20	0.24	0.29	0.29	0.36	0.43	0.51	0.57	0.64	0.77	0.96	1.16	1.29	1.54	1.93	2.31	2.57	2.94
	oz-in	6.7	8.1	11.2	13.5	16.9	20.2	22.5	28.1	33.7	40.5	40.5	50.6	60.7	72.8	80.9	91.0	109.3	136.6	163.9	182.1	218.5	273.1	327.8	364.2	416.3
S6DA□B	kgf · cm	0.5	0.6	0.8	1.0	1.2	1.5	1.6	2.0	2.4	2.9	2.9	3.6	4.4	5.2	5.8	6.6	7.9	9.8	11.8	13.1	15.7	19.7	23.6	26.2	30.0

2. S6D10-24A

MODEL	GEAR 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
S6DA□B	No Load rpm	1100	917	660	550	440	367	330	264	220	183	165	132	110	92	83	66	55	44	37	33	28	22	18	17	13
	N-m	0.08	0.09	0.13	0.16	0.20	0.24	0.26	0.33	0.39	0.47	0.47	0.59	0.71	0.85	0.94	1.06	1.27	1.59	1.91	2.12	2.55	2.94	2.94	2.94	2.94
	oz-in	11.1	13.4	18.5	22.3	27.8	33.4	37.1	46.4	55.6	66.8	66.8	83.5	100.2	120.2	133.5	150.2	180.3	225.3	270.4	300.5	360.5	416.3	416.3	416.3	416.3
S6DA□B	kgf · cm	0.8	1.0	1.3	1.6	2.0	2.4	2.7	3.3	4.0	4.8	4.8	6.0	7.2	8.7	9.6	10.8	13.0	16.2	19.5	21.7	26.0	30.0	30.0	30.0	30.0

■ 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 combination of the regular gearhead and the inter-decimal gearhead is 30kgf · 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.

■ No Load rpm equals Motor no load rpm divided by gear ratio. The actual rotation speed is less 2-20% than the displayed value according to the load

■ There is no marked the 'L' code for it is an exclusive use.