

SIZE mm sq.	Motor Type	Controller Type	Poles	Output (W)	Voltage (V)	Freq. (Hz)	Duty	Speed Range (rpm)	Permissible Torque				Starting Torque		Cap. ( $\mu$ F)
									at 1200rpm		at 90rpm		(kg-cm)	(N-m)	
60	S6I06GA-V12 S6I06GA-V12CE	SUA06IA-V12	4	6	1 $\emptyset$ 110	60	Cont.	90-1700	0.55	0.055	0.40	0.040	0.52	0.052	2.5
	S6I06GB-V12 S6I06GB-V12CE	SUA06IB-V12	4	6	1 $\emptyset$ 220	60	Cont.	90-1700	0.55	0.055	0.40	0.040	0.52	0.052	0.7
	S6I06GC-V12 S6I06GC-V12CE	SUA06IC-V12	4	6	1 $\emptyset$ 100	50	Cont.	90-1400	0.48	0.048	0.30	0.030	0.40	0.040	2.5
	60					90-1700									
	S6I06GD-V12 S6I06GD-V12CE	SUA06ID-V12	4	6	1 $\emptyset$ 200	50	Cont.	90-1400	0.48	0.048	0.30	0.030	0.40	0.040	0.7
	60					90-1700									
	S6I06GX-V12 S6I06GX-V12CE	SUA06IX-V12	4	6	1 $\emptyset$ 220	50	Cont.	90-1400	0.35	0.035	0.22	0.022	0.35	0.035	0.7
	1 $\emptyset$ 240				0.45				0.045	0.22	0.022	0.42	0.042		

- ❖ CE marked at the end of motor model name indicates that it is impedance protected type which has received CE.
- ❖ "L" or "H" type does not apply to motors under 40W.

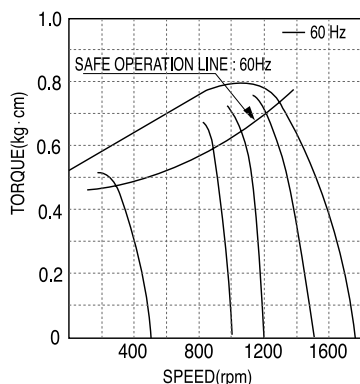
### 50Hz

MODEL	GEAR RATIO	rpm																								
		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	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

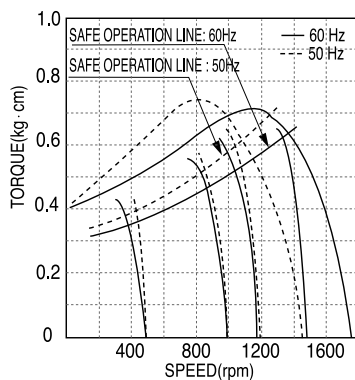
### 60Hz

MODEL	GEAR RATIO	rpm																							
		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
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
	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

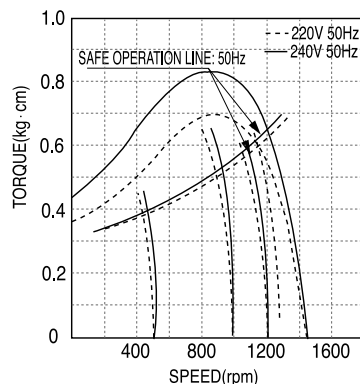
- ❖ The value in □ of gearhead model is for gear ratio.
- ❖ This is permissible torque of the assembled motor and gearhead.
- ❖ The permissible torque of the motor and inter-decimal gearhead is 30 kg-cm.
- ❖ ■ color indicates that the output shaft of the geared motor rotates in the same direction as 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.



▲ S6I06GA-V12, S6I06GB-V12  
S6I06GA-V12CE, S6I06GB-V12CE



▲ S6I06GC-V12, S6I06GD-V12  
S6I06GC-V12CE, S6I06GD-V12CE

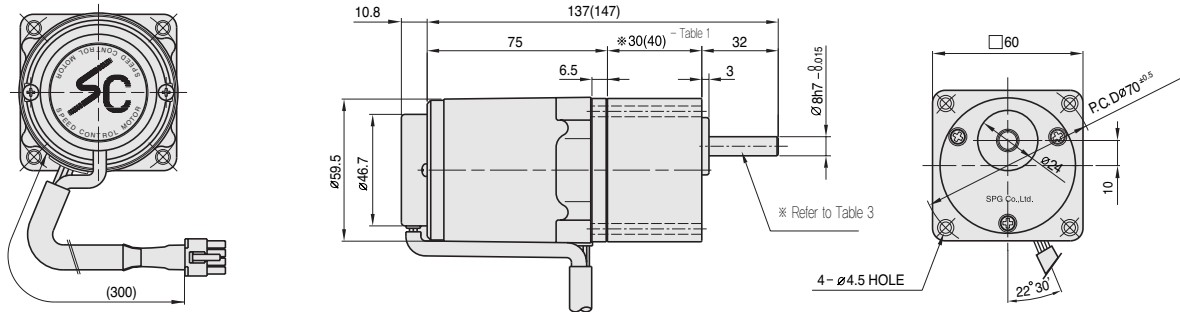


▲ S6I06GX-V12  
S6I06GX-V12CE

# DIMENSIONS

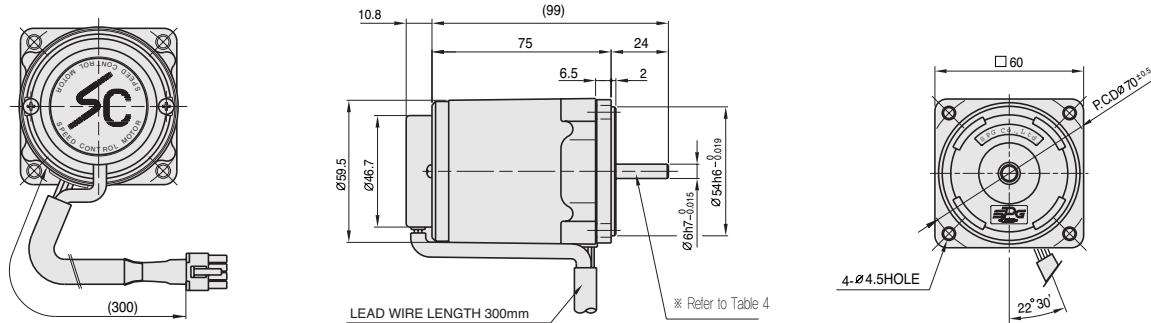
## + GEARED MOTOR

※ MOTOR MODEL : S6I06G□-V12  
 ※ HEAD MODEL : S6□A3□~S6□A250□



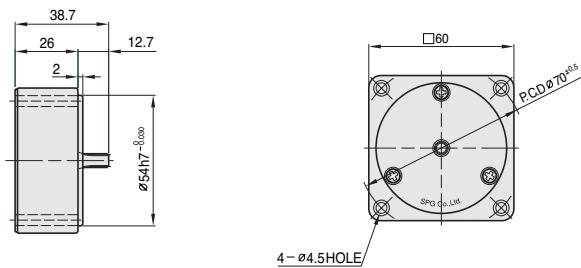
## + MOTOR

※ MOTOR MODEL : S6I06□□-V12

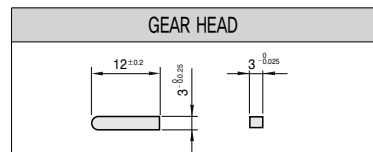


## + INTER-DECIMAL GEAR HEAD

※ MODEL : S6GX10B



## + KEY SPEC



## + ※30(40) - (Table 1)

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

## + WEIGHT - (Table 2)

PART	WEIGHT(kg)	
MOTOR	0.76	
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

## + SPEC for output shaft of gearhead - (Table 3)

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

## + SPEC for output shaft of motor - (Table 4)

MODEL	TYPES OF OUTPUT SHAFT
S6I06G□-V12	GEAR TYPE 
	STRAIGHT TYPE 
S6I06D□-V12	D-CUT TYPE 
	STRAIGHT TYPE 