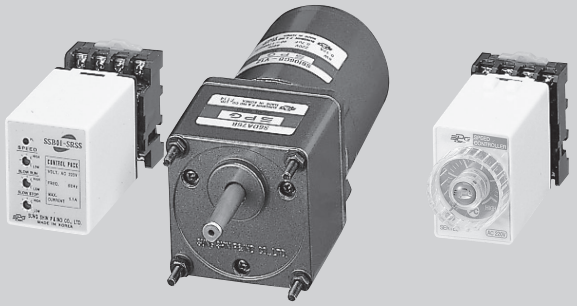
Powermec



6W

INDUCTION SPEED CONTROL MOTOR
□60㎜ LEAD WIRE TYPE

SPECIFICATION OF SR TYPE SPEED CONTROL MOTORS

SIZE mm sq.	Motor Type	Controller Type	Poles	Output	Voltage	Freq.	Duty	Speed Range	Permissible Torque at 1200rpm		Permissible Torque at 90rpm		Starting Torque		Cap.
				(W)	(V)	(Hz)		(rpm)	(kg-cm)	(N-m)	(kg-cm)	(N-m)	(kg-cm)	(N-m)	(μF)
60	S6I06GA-S12 S6I06GA-S12CE	SRA01 SRA01CE	4	6	1Ø 110	60	Cont.	90-1700	0.55	0.055	0.40	0.040	0.52	0.052	2.5
	S6I06GB-S12 S6I06GB-S12CE	SRB01 SRB01CE	4	6	1Ø 220	60	Cont.	90-1700	0.55	0.055	0.40	0.040	0.52	0.052	0.7
	S6I06GC-S12 S6I06GC-S12CE	SRC01 SRC01CE	4	6	1Ø 100	50 60	Cont.	90-1400 90-1700	0.48	0.048	0.30	0.030	0.40	0.040	2.5
	S6I06GD-S12 S6I06GD-S12CE	SRD01 SRD01CE	4	6	1Ø 200	50 60	Cont.	90-1400 90-1700	0.48	0.048	0.30	0.030	0.40	0.040	0.7
	S6I06GX-S12 S6I06GX-S12CE	SRX01 SRX01CE	4	6	1Ø 220 1Ø 240	50	Cont.	90-1400	0.35 0.45	0.035 0.045	0.22 0.22	0.022 0.022	0.35 0.42	0.035 0.042	0.7

❖ CE marked at the end of motor model name indicates that it is impedance protected type which has received CE.
❖ SR type controller model with "CE" appeared at the end of motor model name indicates that the product acquired CE MARK certification.
❖ "L" or "H" type does not apply to motors under 40W.

SPECIFICATION OF SS TYPE SPEED CONTROL MOTORS

SIZE mm sq.	Motor Type	Controller Type	Poles	Output	Voltage	Freq.	Duty	Speed Range	Permissible Torque at 1200rpm		Permissible Torque at 90rpm		Starting Torque		Cap.
				(W)	(V)	(Hz)		(rpm)	(kg-cm)	(N-m)	(kg-cm)	(N-m)	(kg-cm)	(N-m)	(μF)
60	S6I06GA-S24 S6I06GA-S24CE	SSA01-SRSS SSA03-SRSS	4	6	1Ø 110	60	Cont.	90-1700	0.55	0.055	0.40	0.040	0.52	0.052	2.5
	S6I06GB-S24 S6I06GB-S24CE	SSB01-SRSS SSB03-SRSS	4	6	1Ø 220	60	Cont.	90-1700	0.55	0.055	0.40	0.040	0.52	0.052	0.7
	S6I06GC-S24 S6I06GC-S24CE	SSC01-SRSS SSC03-SRSS	4	6	1Ø 100	50 60	Cont.	90-1400 90-1700	0.48	0.048	0.30	0.030	0.40	0.040	2.5
	S6I06GD-S24 S6I06GD-S24CE	SSD01-SRSS SSD03-SRSS	4	6	1Ø 200	50 60	Cont.	90-1400 90-1700	0.48	0.048	0.30	0.030	0.40	0.040	0.7
	S6I06GX-S24 S6I06GX-S24CE	SSX01-SRSS SSX03-SRSS	4	6	1Ø 220 1Ø 240	50	Cont.	90-1400	0.35 0.45	0.035 0.045	0.22 0.22	0.022 0.022	0.35 0.42	0.035 0.042	0.7

❖ 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.

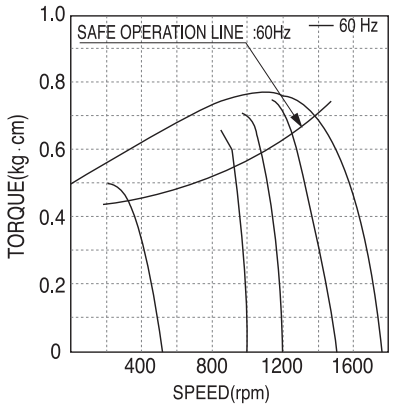
50Hz

MODEL \ GEAR RATIO		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

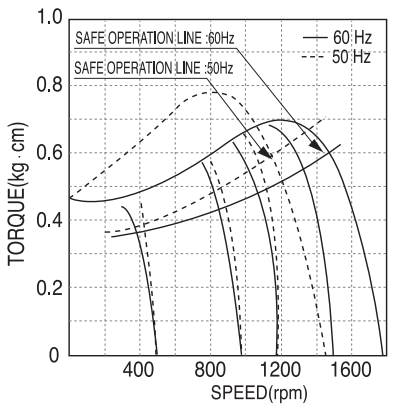
60Hz

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
	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

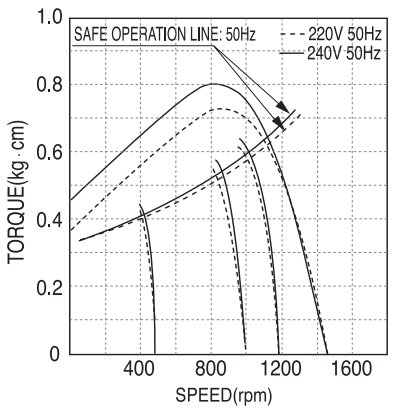
❖ The code in □ of gearhead model is for gear ratio.
❖ It is the permissible torque of the assembled motor and gearhead.
❖ The permissible torque of the motor and inter-decimal gearhead is 30 kg-cm.
❖ ■ color indicates that the output shaft of the geared motor rotates in the same direction as the output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



▲ S6I06GA-S12 S6I06GA-S24
S6I06GA-S12CE S6I06GA-S24CE
S6I06GB-S12 S6I06GB-S24
S6I06GB-S12CE S6I06GB-S24



▲ S6I06GC-S12 S6I06GC-S24
S6I06GC-S12CE S6I06GC-S24CE
S6I06GD-S12 S6I06GD-S24
S6I06GD-S12CE S6I06GD-S24

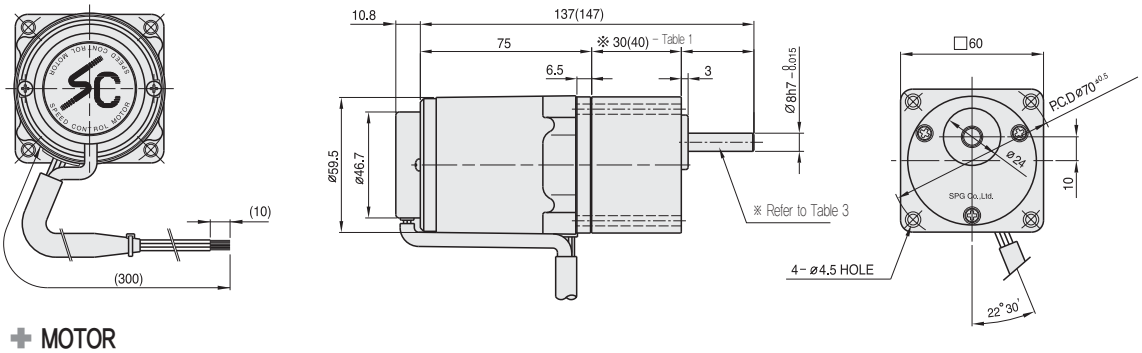


▲ S6I06GX-S12 S6I06GX-S24
S6I06GX-S12CE S6I06GX-S24CE

DIMENSIONS

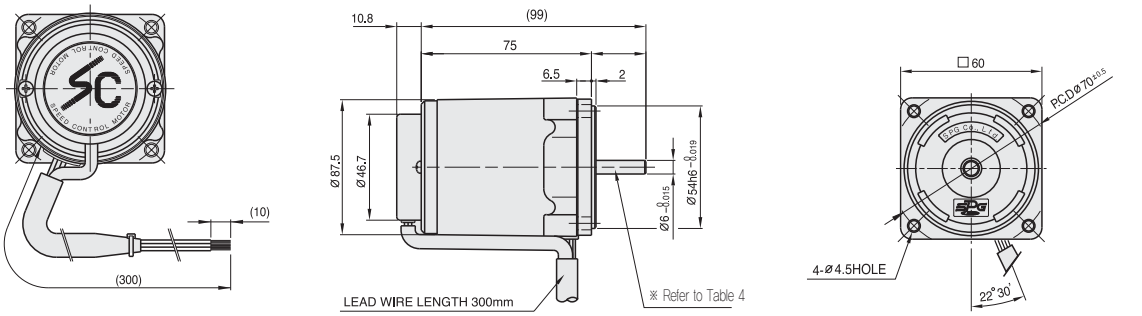
✚ GEARED MOTOR

※MOTOR MODEL : S6I06G□-S12, S6I06G□-S24
※HEAD MODEL : S6□A3□~S6□A250□



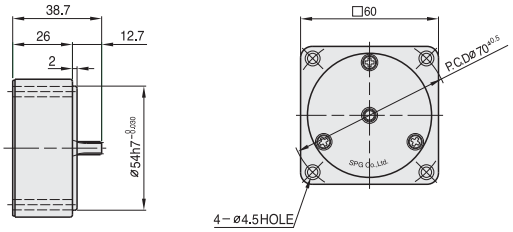
✚ MOTOR

※MOTOR MODEL : S6I06□□-S12
S6I06□□-S24

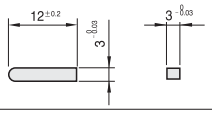


✚ INTER-DECIMAL GEAR HEAD

※MODEL : S6GX10B



✚ KEY SPEC

GEAR HEAD


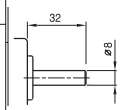
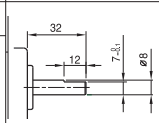
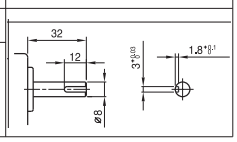
✚ ※26(35) - (Table1)

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

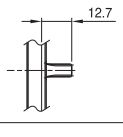
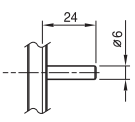
✚ WEIGHT - (Table2)

PART		WEIGHT(kg)
MOTOR		0.76
DECIMAL GEAR HEAD		0.18
GEAR HEAD	S6□A3□ ~S6□A18B□	0.24
	S6□A20□ ~S6□A40□	0.30
	S6□A50□ ~S6□A250□	0.33

✚ SPEC for output shaft of gearhead - (Table3)

MODEL	TYPES OF OUTPUT SHAFT
STRAIGHT TYPE S6SA3□ ~S6SA250B□	
D-CUT TYPE S6DA3□ ~S6DA250□	
KEY TYPE S6KA3B□ ~S6KA250□	

✚ SPEC for output shaft of motor - (Table4)

MODEL	TYPES OF OUTPUT SHAFT
GEAR TYPE S6I06G□-S12 S6I06G□-S24	
STRAIGHT TYPE S6I06S□-S24 S6I06S□-S24	
D-CUT TYPE S6I06D□-S12 S6I06D□-S24