



# 25W

REVERSIBLE SPEED CONTROL MOTOR  
 80mm LEAD WIRE TYPE

## ■ SPECIFICATION OF SOCKET SR TYPE SPEED CONTROL MOTORS

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)		(kg-cm)	(N-m)
									(kg-cm)	(N-m)	(kg-cm)	(N-m)					
80	S8R25GA-S12 S8R25GA-S12(TP) S8R25GA-S12CE	SRA02 SRA02CE	4	25	1 $\phi$ 110	60	30min.	90-1700	2.30	0.230	0.80	0.080	1.80	0.180	10.0		
	S8R25GB-S12 S8R25GB-S12(TP) S8R25GB-S12CE	SRB02 SRB02CE	4	25	1 $\phi$ 220	60	30min.	90-1700	2.30	0.230	0.70	0.070	1.80	0.180	2.5		
	S8R25GC-S12 S8R25GC-S12(TP) S8R25GC-S12CE	SRC02 SRC02CE	4	25	1 $\phi$ 100	50 60	30min.	90-1400 90-1700	2.20 1.90	0.220 0.190	0.70	0.070	1.60	0.160	10.0		
	S8R25GD-S12 S8R25GD-S12(TP) S8R25GD-S12CE	SRD02 SRD02CE	4	25	1 $\phi$ 200	50 60	30min.	90-1400 90-1700	2.20 1.90	0.220 0.190	0.70	0.070	1.60	0.160	2.5		
	S8R25GX-S12 S8R25GX-S12CE	SRX02 SRX02CE	4	25	1 $\phi$ 220 1 $\phi$ 240	50	30min.	90-1400	2.00 2.25	0.200 0.225	0.70 0.70	0.070 0.070	1.50 1.70	0.150 0.170	2.0		

- "CE" marked at the end of motor model name indicates that it is thermally protected type which has received CE (File NO. E9766002E01, Certificate Institute: TÜV Rhinland).
- SR type controller model with "CE" appeared at the end of motor model name indicates that the product acquired CE MARK certification. (File NO. E9766429E01, Certificate Institute: TÜV Rhinland).
- "TP" marked at the end of the motor model name indicates that it is standard motor with Thermal Protector mounted. S8R25GX-S12, S8R25GX-S12CE is thermally protected type with TP mounted.
- There is no marked 'L' code for it is an exclusive use.

## ■ SPECIFICATION OF SOCKET SS TYPE SPEED CONTROL MOTORS

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)		(kg-cm)	(N-m)
									(kg-cm)	(N-m)	(kg-cm)	(N-m)					
80	S8R25GA-S24 S8R25GA-S24(TP) S8R25GA-S24CE	SSA02-SRSS SSA03-SRSS	4	15	1 $\phi$ 110	60	30min.	90-1700	2.30	0.230	0.80	0.080	1.80	0.180	10.0		
	S8R25GB-S24 S8R25GB-S24(TP) S8R25GB-S24CE	SSB02-SRSS SSB03-SRSS	4	15	1 $\phi$ 220	60	30min.	90-1700	2.30	0.230	0.70	0.070	1.80	0.180	2.5		
	S8R25GC-S24 S8R25GC-S24(TP) S8R25GC-S24CE	SSC02-SRSS SSC03-SRSS	4	15	1 $\phi$ 100	50 60	30min.	90-1400 90-1700	2.20 1.90	0.220 0.190	0.70	0.070	1.60	0.160	10.0		
	S8R25GD-S24 S8R25GD-S24(TP) S8R25GD-S24CE	SSD02-SRSS SSD03-SRSS	4	15	1 $\phi$ 200	50 60	30min.	90-1400 90-1700	2.20 1.90	0.220 0.190	0.70	0.070	1.60	0.160	2.5		
	S8R25GX-S24 S8R25GX-S24CE	SSX02-SRSS SSX03-SRSS	4	15	1 $\phi$ 220 1 $\phi$ 240	50	30min.	90-1400	2.00 2.25	0.200 0.225	0.70 0.70	0.070 0.070	1.50 1.70	0.150 0.170	2.0		

- "CE" marked at the end of motor model name indicates that it is thermally protected type which has received CE (File NO. E9766002E01, Certificate Institute: TÜV Rhinland).
- "TP" marked at the end of the motor model name indicates that it is standard motor with Thermal Protector mounted. S8R25GX-S24, S8R25GX-S24CE is thermally protected type with TP mounted.
- There is no marked 'L' code for it is an exclusive use.

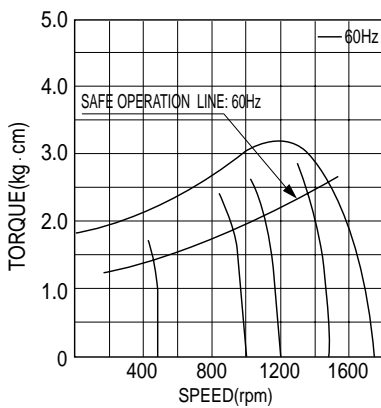
## 50Hz

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
MODEL	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
	kg·cm	5.3	6.4	8.9	10.7	13.4	16.0	17.8	22.3	26.7	32.1	32.1	40.2	48.2	57.8	64.2	72.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
S8KA□B	N·m	0.519	0.627	0.872	1.049	1.313	1.568	1.744	2.185	2.617	3.146	3.146	3.940	4.724	5.664	6.292	7.115	7.840	7.840	7.840	7.840	7.840	7.840	7.840	7.840

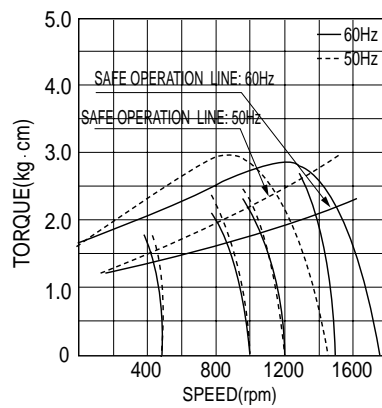
## 60Hz

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
MODEL	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
	kg·cm	4.4	5.2	7.3	8.7	10.9	13.1	14.6	18.2	21.9	26.2	26.3	32.9	39.4	47.3	52.6	59.4	71.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0
S8KA□B	N·m	0.431	0.510	0.715	0.853	1.068	1.284	1.431	1.784	2.146	2.568	2.577	3.224	3.861	4.635	5.155	5.821	6.987	7.840	7.840	7.840	7.840	7.840	7.840	7.840

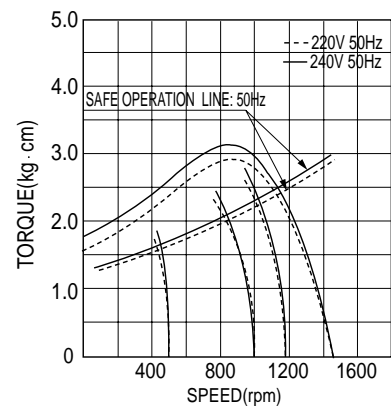
- The code in □ of gearhead model is for gear ratio.
- It is the permissible torque of the assembled motor and gearhead.
- The permissible torque of the assembled with motor and inter-decimal gearhead is 80kg·cm.
- ■ color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor. Others indicate rotation in the opposite direction.
- Rotational speed based on synchronous speed (50Hz:1500rpm, 60Hz:1800rpm) divided by gear ratio. The actual rotation speed is less 2-20% than the displayed value according to the load.



- ▲ S8R25GA-S12      S8R25GA-S24
- S8R25GA-S12(TP)      S8R25GA-S24(TP)
- S8R25GA-S12CE      S8R25GA-S24CE
- S8R25GB-S12      S8R25GB-S24
- S8R25GB-S12(TP)      S8R25GB-S24(TP)
- S8R25GB-S12CE      S8R25GB-S24



- ▲ S8R25GC-S12      S8R25GC-S24
- S8R25GC-S12(TP)      S8R25GC-S24(TP)
- S8R25GC-S12CE      S8R25GC-S24CE
- S8R25GD-S12      S8R25GD-S24
- S8R25GC-S12      S8R25GC-S24(TP)
- S8R25GD-S12CE      S8R25GD-S24CE

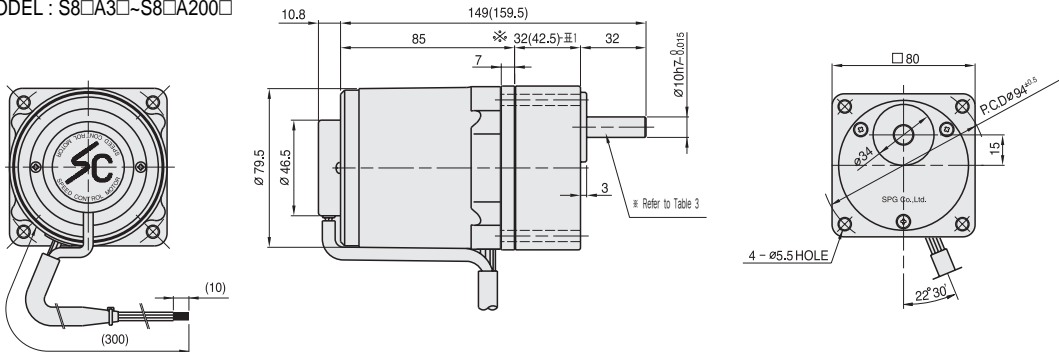


- ▲ S8R25GX-S12      S8R25GX-S24
- S8R25GX-S12CE      S8R25GX-S24CE

# DIMENSIONS

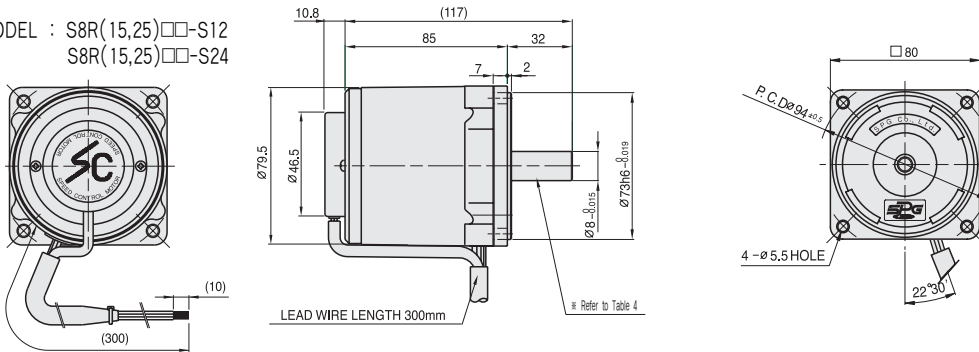
## ▼ GEARED MOTOR

- ※ MOTOR MODEL : S8R(15,25)G□-S12, S8R(15,25)G□-S24
- ※ HEAD MODEL : S8□A3□~S8□A200□



## ▼ MOTOR

- MOTOR MODEL : S8R(15,25)□□-S12, S8R(15,25)□□-S24



※ 32(42.5)-(Table 1)

GEAR RATIO	SIZE(mm)
S8□A3□~S8□A18□	32
S8□A20□~S8□A200□	42.5

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

MODEL	TYPES OF OUTPUT SHAFT
STRAIGHT TYPE	
S8SA3□ ~S8SA200□	
D-CUT TYPE	
S8DA3□ ~S8DA200□	
KEY TYPE	
S8KA3□ ~S8KA200□	

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

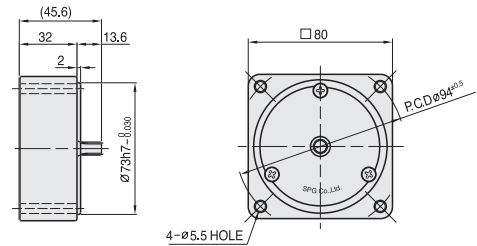
MODEL	TYPES OF OUTPUT SHAFT
GEAR TYPE	
S8R15G□-S12 S8R25G□-S12 S8R15G□-S24 S8R25G□-S24	
STRAIGHT TYPE	
S8R15S□-S12 S8R25S□-S12 S8R15S□-S24 S8R25S□-S24	
D-CUT TYPE	
S8R15D□-S12 S8R25D□-S12 S8R15D□-S24 S8R25D□-S24	
KEY TYPE	
S8R15K□-S12 S8R25K□-S12 S8R15K□-S24 S8R25K□-S24	

## ▼ KEY SPEC

GEARHEAD	MOTOR

## ▼ INTER-DECIMAL GEARHEAD

- MODEL : S8GX10B



## ▼ WEIGHT-(Table 2)

PART	WEIGHT(kg)
15W MOTOR	1.6
25W MOTOR	1.6
DECIMAL GEARHEAD	0.43
S8□A3□ ~S8□A18□	0.43
S8□A20□ ~S8□A40□	0.57
S8□A50□ ~S8□A200□	0.61