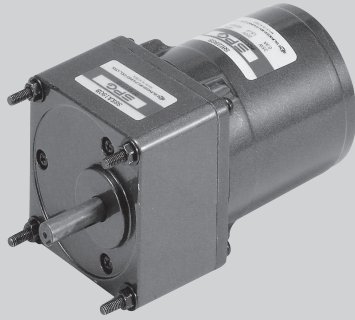




25W

INDUCTION MOTOR □ 80mm LEAD WIRE TYPE

SIZE mm sq.	Type	Poles	Output (W)	Voltage (V)	Frequency (Hz)	Duty	Rated Load				Starting Torque		Capacitor (uF)
							Current (A)	Speed (rpm)	Torque		(kg-cm)	(N-m)	
80	S8I25GA S8I25GA(TP) S8I25GACE	4	25	1 ∅ 110	60	Cont.	0.51	1600	1.60	0.160	1.80	0.180	6.0
	S8I25GB S8I25GB(TP) S8I25GBCE	4	25	1 ∅ 220	60	Cont.	0.23	1550	1.65	0.165	1.80	0.180	1.5
	S8I25GC S8I25GC(TP) S8I25GCCE	4	25	1 ∅ 100	50	Cont.	0.57	1250	2.00	0.200	1.45	0.145	6.0
					60		0.52	1550	1.65	0.165			
	S8I25GD S8I25GD(TP) S8I25GDCE	4	25	1 ∅ 200	50	Cont.	0.30	1250	2.00	0.200	1.45	0.145	1.5
					60		0.29	1500	1.70	0.170			
	S8I25GE S8I25GECE	4	25	1 ∅ 100	50	Cont.	0.54	1250	2.00	0.200	1.20	0.120	6.0
					60		0.55	1500	1.70	0.170			4.5
					60		0.59	1500	1.70	0.170			
	S8I25GX S8I25GXCE	4	25	1 ∅ 220	50	Cont.	0.23	1200	2.10	0.210	1.10	0.110	1.3
				1 ∅ 240			0.25		2.20	0.220	1.30	0.130	
	S8I25GU S8I25GUCE	4	25	3 ∅ 200	50	Cont.	0.26	1300	1.95	0.195	3.50	0.350	—
					60		0.24	1550	1.65	0.165	2.90	0.290	
	S8I25GT S8I25GTCE	4	25	3 ∅ 220	50	Cont.	0.28	1350	1.90	0.190	4.20	0.420	—
					60		0.24	1600	1.60	0.160	3.50	0.350	
	S8I25GS S8I25GSCE	4	25	3 ∅ 380	50	Cont.	0.14	1250	2.00	0.200	3.15	0.315	—
					60		0.12	1500	1.70	0.170	2.50	0.250	
				3 ∅ 400	50	Cont.	0.14	1250	2.10	0.210	3.50	0.350	
					60		0.12	1500	1.80	0.180	2.75	0.275	
				3 ∅ 415	50	Cont.	0.15	1300	1.95	0.195	3.75	0.375	
					60		0.13	1550	1.65	0.165	3.00	0.300	
				3 ∅ 440	50	Cont.	0.15	1300	2.10	0.210	4.40	0.440	
					60		0.13	1550	1.80	0.180	3.40	0.340	

❖ S8I25GE is UL approved (UL FILE No. E172720) thermally protected type.

❖ Appropriate capacitors shall be used according to the voltage for S8I25GE 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 thermally protected type which has received CE with built-in TP. S8I25GECE is available only for 115V specification.

❖ TP marked at the end of the model name indicates that it is standard motor with Thermal Protector mounted.

S8I25GE, S8I25GX, S8I25GS is thermally protected type with TP mounted.

❖ Be cautious when using a three-phase 380V motor controlled with inverter.

❖ "L" or "H" type does not apply to motors under 40W.

❖ For a three-phase 380V~440V motor, be cautious when using the inverter. When inverter is used, the insulation of winding becomes hot and may cause damage to motor.

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		Nm	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

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		Nm	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

❖ 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 80 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.

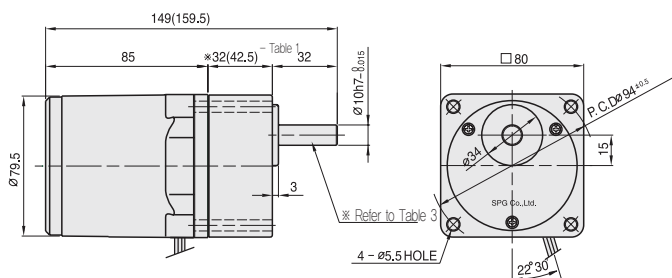
❖ Rpm is based on synchronous speed (50Hz: 1500rpm, 60Hz: 1800rpm) divided by gear ratio.

The actual rotation speed can be 2~20% less than displayed value depending on the load.

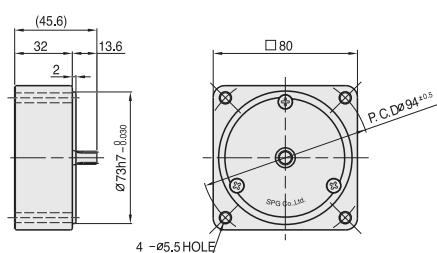
❖ "L" or "H" type does not apply to motors under 40W.

DIMENSIONS

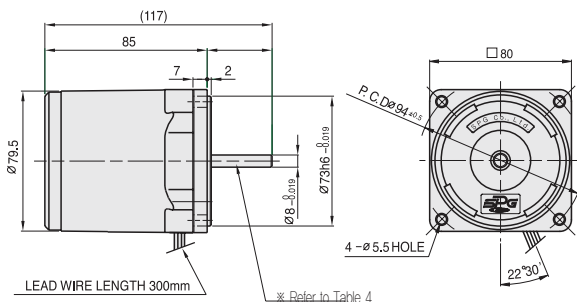
- ✚ GEARED MOTOR ※ MOTOR MODEL : S8I25G□
※ HEAD MODEL : S8□A3□~S8□A200□



- ✚ INTER-DECIMAL GEAR HEAD
※ MODEL : S8GX10B



- ✚ MOTOR ※ MOTOR MODEL : S8I25□□



- ✚ ※26(35) - (Table1)

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

- ✚ WEIGHT - (Table2)

PART	WEIGHT(kg)
MOTOR	1.46
DECIMAL GEAR HEAD	0.43
GEAR HEAD	S8□A3□ ~ S8□A18□
	0.43
	S8□A20□ ~ S8□A40□
	0.57
	S8□A50□ ~ S8□A200□
	0.61

- ✚ KEY SPEC

GEAR HEAD	MOTOR
25±0.2	25±0.2
4±0.03	3±0.025
4±0.03	3±0.025

- ✚ SPEC for output shaft of gearhead - (Table3)

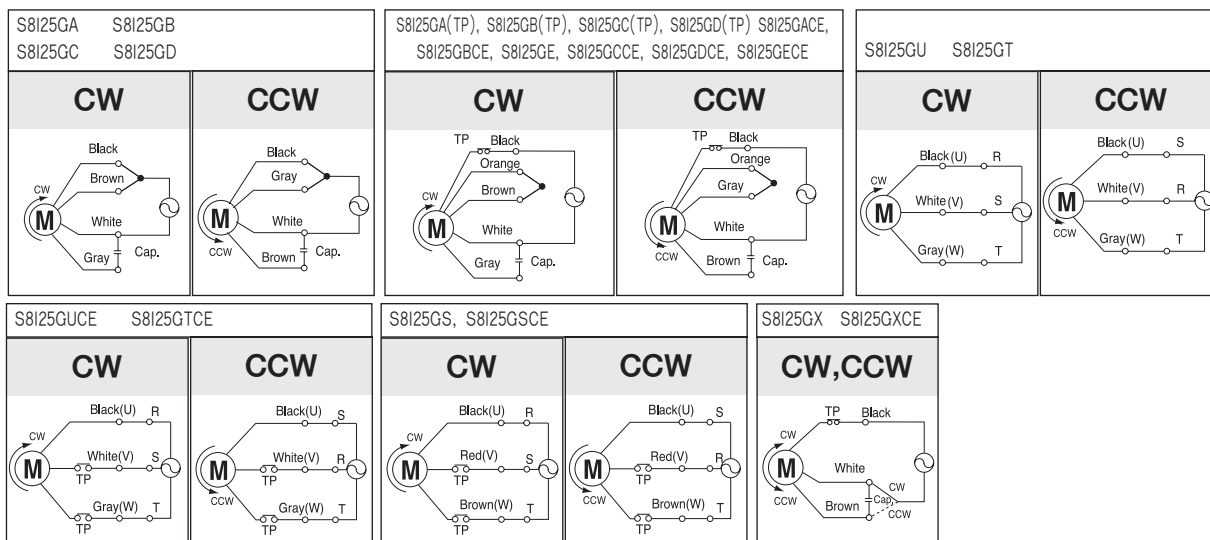
MODEL	TYPES OF OUTPUT SHAFT
STRAIGHT TYPE	32 28
S8SA3□ ~ S8SA200□	
D-CUT TYPE	32 25 7-0.1 28
S8DA3□ ~ S8DA200□	
KEY TYPE	32 25 28 1.8±0.1 3±0.025 23.5
S8KA3□ ~ S8KA200□	

- ✚ SPEC for output shaft of motor - (Table4)

MODEL	TYPES OF OUTPUT SHAFT
GEAR TYPE	13.6
S8I25G□	
STRAIGHT TYPE	32 28
S8I25S□	
D-CUT TYPE	32 25 7-0.1 28
S8I25D□	
KEY TYPE	32 25 28 1.8±0.1 3±0.025 23.5
S8I25K□	

SCHEMATIC DIAGRAMS

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



Change the direction of motor rotation only after the motor stops completely. If an attempt is made to change the direction of rotation while the motor is running, the motor may ignore the reversing command or change its direction of rotation after some delay.