25W

REVERSIBLE MOTOR □80㎜ LEAD WIRE TYPE

SIZE mm sq.	Type	Poles	Output	Voltage	Frequency	Duty	Rated Load				Starting Torque		Capacitor
							Current	Speed	Torque				
			(W)	(V)	(Hz)		(A)	(rpm)	(kg-cm)	(N-m)	(kg-cm)	(N-m)	(uF)
80	S8R25GA S8R25GA(TP) S8R25GACE	4	25	1Ø 110	60	30min.	0.71	1550	1.70	0.170	2.30	0.230	10.0
	S8R25GB S8R25GB(TP) S8R25GBCE	4	25	1Ø 220	60	30min.	0.35	1600	1.65	0.165	2.30	0.230	2.5
	S8R25GC S8R25GC(TP) S8R25GCCE	4	25	1Ø 100	50	30min.	0.63	1250	2.10	0.210	1.80	0.180	10.0
					60		0.70	1500	1.70	0.170			
	S8R25GD S8R25GD(TP) S8R25GDCE	4	25	1Ø 200	50	30min.	0.33	1250	2.10	0.210	1.80	0.180	2.5
					60			1550	1.70	0.170			
	S8R25GE S8R25GECE	4	25	1Ø 100	50	30min.	0.60	1250	2.10	0.210	1.30	0.130	8.0
					60		0.65	1450	1.80	0.180			
				1Ø 115	60		0.63	1550	1.70	0.170			7.0
	S8R25GX S8R25GXCE	4	25	1Ø 220	50	30min.	0.26	1200	2.00	0.200	1.70	0.170	2.0
				1Ø 240			0.28		2.20	0.220	2.20	0.220	

❖ S8R25GE is UL approved (UL FILE No. E172720) thermally protected type.
❖ Appropriate capacitors shall be used according to the voltage for S8R25GE 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.
S8R25GECE 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.
S8R25GE, S8R25GX is thermally protected type with TP mounted.
❖ Data is measured with friction brake mounted.
❖ "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
	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
S8KA□B	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
	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

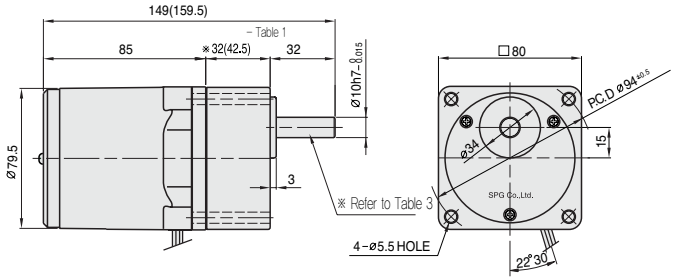
MODEL \ GEAR RATIO		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
	rpm	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
S8KA□B	kg-cm	4.4	5.2	7.3	8.7	10.9	13.1	14.6	18.2	21.9	26.2	26.3	32.9	39.4	47.3	52.6	59.4	71.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0
	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 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

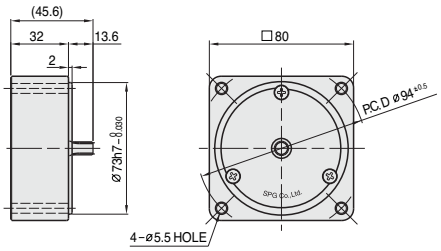
GEARED MOTOR

※MOTOR MODEL : S8R25G□
※HEAD MODEL : S8□A3□~S8□A200□



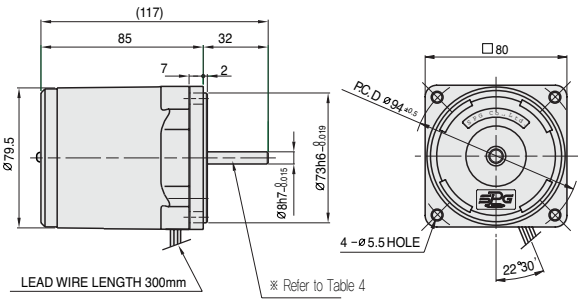
INTER-DECIMAL GEAR HEAD

※MODEL : S8GX10B



MOTOR

※MOTOR MODEL : S8R25□□



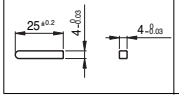
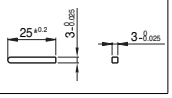
※32(42.5) - (Table1)

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

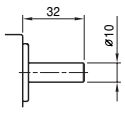
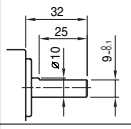
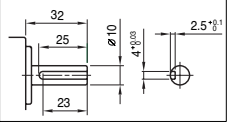
WEIGHT - (Table2)

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

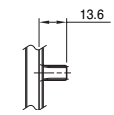
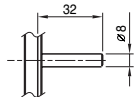
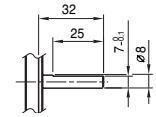
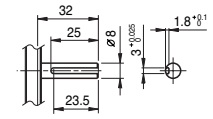
KEY SPEC

GEAR HEAD	MOTOR
	

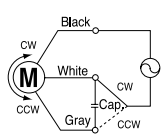
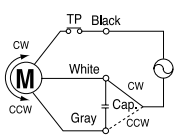
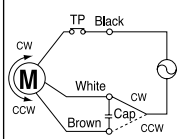
SPEC for output shaft of gearhead - (Table3)

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

SPEC for output shaft of motor - (Table4)

MODEL	TYPES OF OUTPUT SHAFT
GEAR TYPE S8R25G□	
STRAIGHT TYPE S8R25S□	
D-CUT TYPE S8R25D□	
KEY TYPE S8R25K□	

SCHEMATIC DIAGRAMS

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

S8R25GA S8R25GB S8R25GC S8R25GD	S8R25GA(TP) S8R25GB(TP) S8R25GC(TP) S8R25GD(TP) S8R25GACE S8R25GBCE S8R25GE S8R25GCCE S8R25GDCE S8R25GECE	S8R25GX S8R25GXCE
CW,CCW	**CW,CCW**	**CW,CCW**