



40W

ELECTROMAGNETIC BRAKE MOTOR
 90mm 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)		(kg-cm)	(N-m)	
90	S9R40GA()-E S9R40GA()-E(TP) S9R40GA()-ECE	4	40	1 ∅ 110	60	30min.	1.00	1600	2.50	0.250	4.00	0.400	15.0
	S9R40GB()-E S9R40GB()-E(TP) S9R40GB()-ECE	4	40	1 ∅ 220	60	30min.	0.48	1600	2.50	0.250	4.00	0.400	3.5
	S9R40GC()-E S9R40GC()-E(TP) S9R40GC()-ECE	4	40	1 ∅ 100	50 60	30min.	0.85 1.00	1300 1550	3.10 2.60	0.310 0.260	3.50	0.350	15.0
	S9R40GD()-E S9R40GD()-E(TP) S9R40GD()-ECE	4	40	1 ∅ 200	50 60	30min.	0.40 0.48	1300 1550	3.10 2.60	0.310 0.260	3.35	0.335	3.5
	S9R40GE()-E S9R40GE()-ECE	4	40	1 ∅ 100 1 ∅ 115	50 60	30min.	0.85 1.00 0.86	1300 1550 1600	3.10 2.60 2.60	0.310 0.260 0.260	3.45	0.345	15.0 12.0
	S9R40GX()-E S9R40GX()-ECE	4	40	1 ∅ 220	50	30min.	0.40 0.43	1250	3.20 3.40	0.320 0.340	3.30 4.00	0.330 0.400	3.0
	S9I40GU()-E S9I40GU()-ECE	4	40	3 ∅ 200	50 60	Cont.	0.36 0.33	1300 1550	3.10 2.60	0.310 0.260	6.30 5.20	0.630 0.520	—
	S9I40GT()-E S9I40GT()-ECE	4	40	3 ∅ 220	50 60	Cont.	0.39 0.33	1350 1600	3.00 2.50	0.300 0.250	7.60 6.10	0.760 0.610	—
	S9I40GS()-E S9I40GS()-ECE	4	40	3 ∅ 380	50	Cont.	0.21	1300	3.20	0.320	6.30	0.630	—
					60	0.19	1550	2.70	0.270	4.85	0.485		
					50	Cont.	0.21	1300	3.30	0.330	6.90	0.690	
					60	0.19	1550	2.80	0.280	5.25	0.525		
					50	Cont.	0.21	1350	3.10	0.310	7.30	0.730	
					60	0.19	1600	2.60	0.260	5.70	0.570		
	50	Cont.	0.21	1350	3.20	0.320	8.20	0.820					
	60	0.19	1600	2.70	0.270	6.30	0.630						

- S9R40GE-E is UL approved(UL FILE NO. E172720) thermally protected type.
- Please use appropriate capacitors according to the using voltage for S9R40GE-E type since the size of the capacitors differ to the different voltages and when not used properly, it may cause malfunction. Please inform required voltage when ordering or capacitor for 115V will be delivered.
- "CE" marked at the end of model name indicates that it is thermally protected type which has received CE (File NO. E9766002E01, Certificate Institute: TÜV Rheinland) with built-in TP S9R40GE()-ECE 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.
- S9R40GE-E, S9R40GX-E is thermally protected type with TP mounted.
- Above data is measured with brake removed from electromagnetic brake motor.
- In case 3 phase 380V motor is controlled with inverter, please be careful to use considerin
- () is for marking 'L' type or 'H'. 'L' should be used with gearhead 'L' and 'H' should be used with gearhead 'H'.

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
S9KB()	kg-cm	8.3	9.9	13.8	16.5	20.7	24.8	27.5	34.4	41.3	49.6	49.6	62.1	74.5	89.4	99.3	100	100	100	100	100	100	100	100	100
	N·m	0.813	0.970	1.352	1.617	2.029	2.430	2.695	3.371	4.047	4.861	4.861	6.086	7.301	8.761	9.731	9.800	9.800	9.800	9.800	9.800	9.800	9.800	9.800	9.800

60Hz

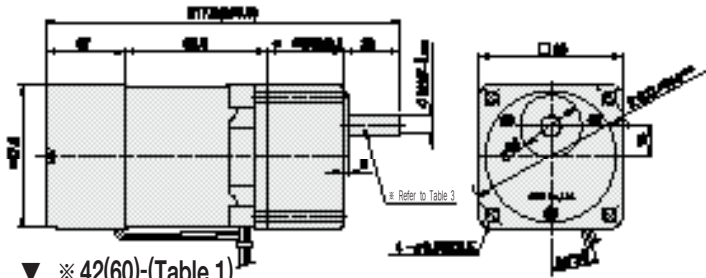
MODEL	GEAR RATIO	rpm																							
		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
S9KB()	kg-cm	6.8	8.2	11.3	13.6	17.0	20.4	22.7	28.4	34.0	40.8	40.9	51.1	61.3	73.6	81.8	100	100	100	100	100	100	100	100	100
	N·m	0.666	0.804	1.107	1.333	1.666	1.999	2.225	2.783	3.332	3.998	4.008	5.008	6.007	7.213	8.016	9.800	9.800	9.800	9.800	9.800	9.800	9.800	9.800	9.800

- 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 100kg · 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.
- () is for marking 'L' type or 'H'. 'L' should be used with motor 'L' and 'H' should be used with motor 'H'.

DIMENSIONS

▼ GEARED MOTOR

- * MOTOR MODEL : S9R40G□□-E
- * HEAD MODEL : S9□B3□□~S9□B200□□



▼ * 42(60)-(Table 1)

GEAR RATIO	SIZE(mm)
S9□B3□□~S9□B18□□	42
S9□B20□□~S9□B200□□	60

WEIGHT-(Table 2) ▶

PART	WEIGHT(Kg)	
MOTOR	2.74	
DECIMAL GEARHEAD	0.59	
GEAR HEAD	S9□B3□□ ~S9□B18□□	0.73
	S9□B20□□ ~S9□B40□□	1.03
	S9□B50□□ ~S9□B200□□	1.13

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

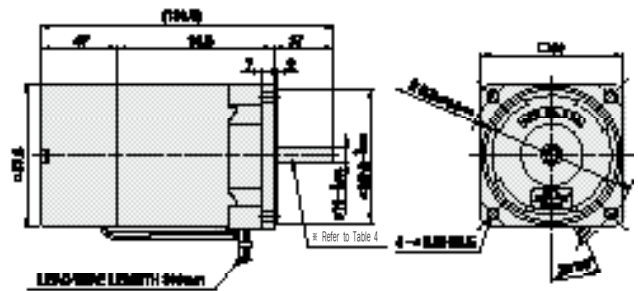
MODEL	TYPES OF OUTPUT SHAFT
STRAIGHT TYPE	
S9SB3□□ ~S9SB200□□	
D-CUT TYPE	
S9DB3□□ ~S9DB200□□	
KEY TYPE	
S9KB3□□ ~S9KB200□□	

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

MODEL	TYPES OF OUTPUT SHAFT
GEAR TYPE	
S9R40G□□-E	
STRAIGHT TYPE	
S9R40S□□-E	
D-CUT TYPE	
S9R40D□□-E	
KEY TYPE	
S9R40K□□-E	

▼ MOTOR

- * MOTOR MODEL : S9R40□□□-E

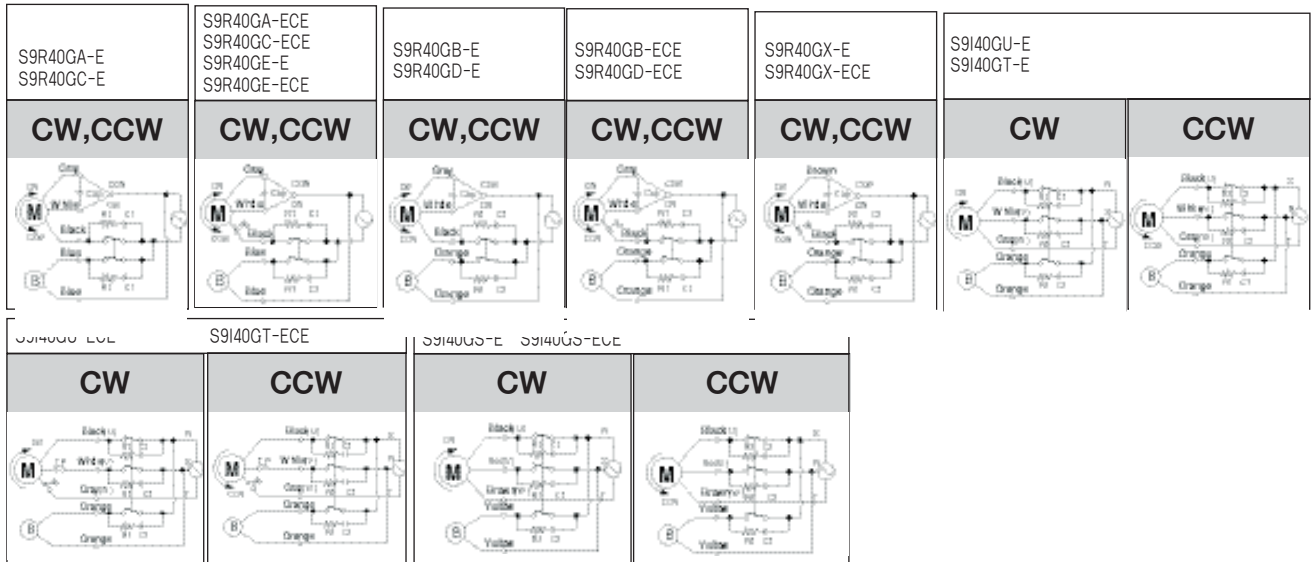


▼ KEY SPEC

GEARHEAD	MOTOR

SCHEMATIC DIAGRAMS

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



R1 = 10~200 Ω (Min.1/4W) C1 = 0.1~0.33μF (AC125WV or AC250WV)