40W

INDUCTION MOTOR, REVERSIBLE MOTOR
□90mm TERMINAL BOX TYPE

■ INDUCTION MOTOR - CONTINUOUS RATING

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)
90	S9I40GA( )-T S9I40GA( )-T1	4	40	1 Ø 110	60	Cont.	0.82	1600	2.50	0.250	2.90	0.290	10.0
	S9I40GB( )-T S9I40GB( )-T1	4	40	1 Ø 220	60	Cont.	0.41	1600	2.50	0.250	2.90	0.290	2.5
	S9I40GC( )-T S9I40GC( )-T1	4	40	1 Ø 100	50	Cont.	0.80	1300	3.10	0.310	2.40	0.240	10.0
					60		0.85	1550	2.60	0.260			
	S9I40GD( )-T S9I40GD( )-T1	4	40	1 Ø 200	50	Cont.	0.41	1300	3.10	0.310	2.40	0.240	2.5
					60		0.43	1550	2.60	0.260			
	S9I40GX( )-T S9I40GX( )-T1 S9I40GX( )-TCE S9I40GX( )-T1CE	4	40	1 Ø 220	50	Cont.	0.34	1250	3.15	0.320	1.80	0.180	2.0
				1 Ø 240			0.37		3.35	0.355	2.10	0.210	
	S9I40GU( )-T S9I40GU( )-T1 S9I40GU( )-TCE S9I40GU( )-T1CE	4	40	3 Ø 200	50	Cont.	0.36	1300	3.10	0.310	6.30	0.630	—
					60		0.33	1550	2.60	0.260	5.20	0.520	
	S9I40GT( )-T S9I40GT( )-T1 S9I40GT( )-TCE S9I40GT( )-T1CE	4	40	3 Ø 220	50	Cont.	0.39	1350	3.00	0.300	7.60	0.760	—
					60		0.33	1600	2.50	0.250	6.10	0.610	
	S9I40GS( )-T S9I40GS( )-T1 S9I40GS( )-TCE S9I40GS( )-T1CE	4	40	3 Ø 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	
				3 Ø 400	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	
				3 Ø 415	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	
				3 Ø 440	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	

- "CE" marked at the end of the model name indicates that it is thermally protected type which has received CE marking (File NO. E9766002E01, Certificate Institute: TÜV Rhinland) with built-in TP.
- "TP" marked at the end of the model name indicates that it is standard motor with Thermal Protector mounted. S9I40GX, S9I40GX-T, S9I40GS-T is thermally protected type with TP mounted.
- 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'.

■ REVERSIBLE MOTOR - 30 MINUTES RATING

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)
90	S9R40GA( )-T S9R40GA( )-T1 S9R40GA( )-T(TP) S9R40GA( )-T1(TP) S9R40GA( )-TCE S9R40GA( )-T1CE	4	40	1Ø110	60	30min	1.00	1600	2.50	0.250	3.50	0.350	15.0
	S9R40GB( )-T S9R40GB( )-T1 S9R40GB( )-T(TP) S9R40GB( )-T1(TP) S9R40GB( )-TCE S9R40GB( )-T1CE	4	40	1Ø220	60	30min.	0.46	1600	2.50	0.250	3.50	0.350	3.5
	S9R40GC( )-T S9R40GC( )-T1 S9R40GC( )-T(TP) S9R40GC( )-T1(TP) S9R40GC( )-TCE S9R40GC( )-T1CE	4	40	1Ø100	50	30min.	0.84	1300	3.00	0.300	2.80	0.280	15.0
					60		1.00	1550	2.60	0.260			
	S9R40GD( )-T S9R40GD( )-T1 S9R40GD( )-T(TP) S9R40GD( )-T1(TP) S9R40GD( )-TCE S9R40GD( )-T1CE	4	40	1Ø200	50	30min.	0.39	1300	3.10	0.310	2.80	0.280	3.5
					60		0.47	1550	2.60	0.260			
	S9R40GE( )-T S9R40GE( )-T1 S9R40GE( )-TCE S9R40GE( )-T1CE	4	40	1Ø100	50	30min.	0.86	1300	3.10	0.310	2.90	0.290	15.0
					60		1.00	1550	2.60	0.260			
				1Ø115	60		1.00	1550	2.70	0.270			12.0
	S9R40GX( )-T S9R40GX( )-T1 S9R40GX( )-TCE S9R40GX( )-T1CE	4	40	1Ø220	50	30min.	0.40	1250	3.20	0.320	3.00	0.300	3.0
				1Ø240			0.42		3.40	0.340	3.20	0.320	

- Please use appropriate capacitors according to the using voltage for S9R40GE-T 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 the model name indicates that it is thermally protected type which has received CE marking (File NO. E9766002E01,Certificate Institute: TÜV Rhinland)S9R40GE-TCE 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-T, S9R40GX-T is thermally protected type with TP mounted.
- Above data is measured with friction brake mounted.
- ( ) 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		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
S9KB□B( )	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

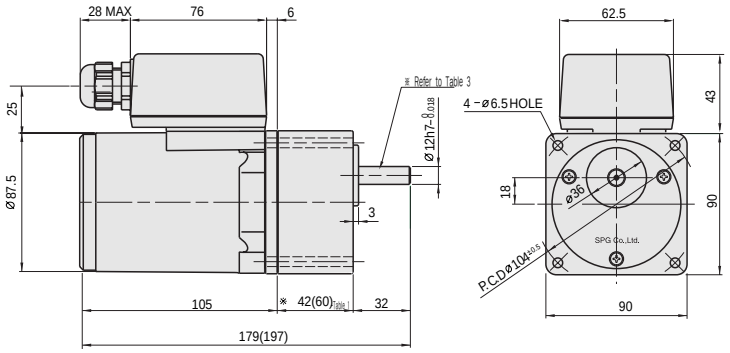
MODEL \ GEAR RATIO		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
	rpm	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
S9KB□B( )	kg-cm	6.8	8.2	11.3	13.6	17.0	20.4	22.7	28.4	34.0	40.8	40.9	51.1	61.3	73.6	81.8	100	100	100	100	100	100	100	100	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 100㎏·㎝.
- ■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

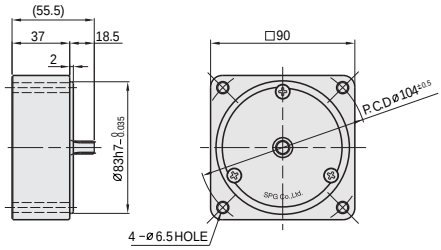
▼ GEARED MOTOR

※MOTOR MODEL : S9(I,R)40G□□-T
※HEAD MODEL : S9□B3□□~S9□B200□□



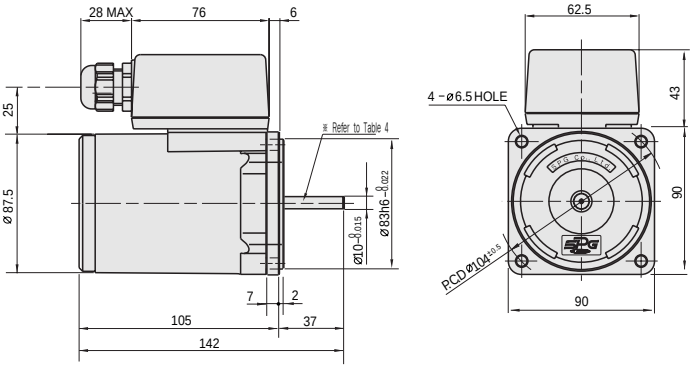
▼ INTER-DECIMAL GEARHEAD

※MODEL : S9GX10B(H,L)



▼ MOTOR

※MOTOR MODEL : S9(I,R)40□□□-T



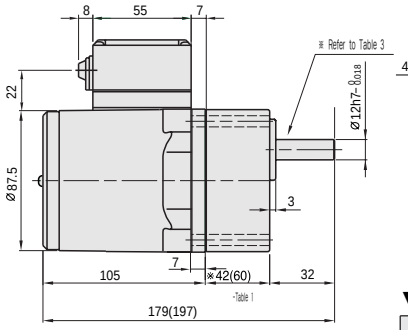
▼ WEIGHT-(Table 2)

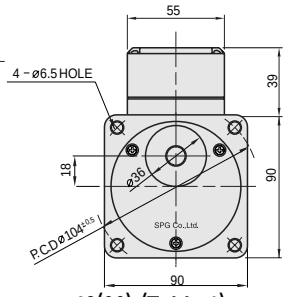
PART		WEIGHT(Kg)
INDUCTION MOTOR		2.45
REVERSIBLE MOTOR		2.50
DECIMAL GEARHEAD		0.60
GEAR	S9□B3□□ ~S9□B18□□	0.73
HEAD	S9□B20□□ ~S9□B40□□	1.03
	S9□B50□□ ~S9□B200□□	1.13

DIMENSIONS

▲ GEARED MOTOR

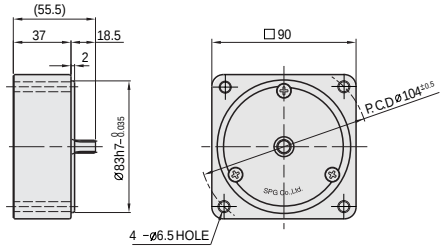
※MOTOR MODEL : S9(I,R)40G□□-T1
※HEAD MODEL : S9□B3□□~S9□B200□





▼ INTER-DECIMAL GEARHEAD

※MODEL : S9GX10B(H,L)



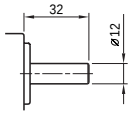
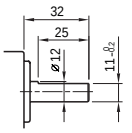
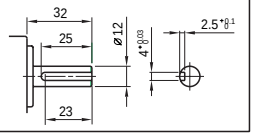
▼ ※42(60)-(Table 1)

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

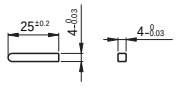
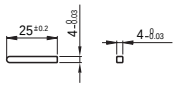
▼ WEIGHT-(Table 2)

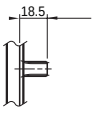
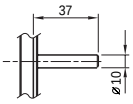
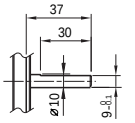
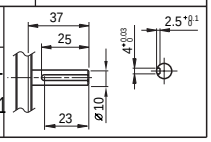
PART		WEIGHT(Kg)
INDUCTION MOTOR		2.40
REVERSIBLE MOTOR		2.45
DECIMAL GEARHEAD		0.60
GEAR HEAD	S9□B3□□ ~S9□B18□□	0.73
	S9□B20□□ ~S9□B40□□	1.03
	S9□B50□□ ~S9□B200□□	1.13

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

MODEL	TYPES OF OUTPUT SHAFT
STRAIGHT TYPE S9SB3□□ ~S9SB200□□	
D-CUT TYPE S9DB3□□ ~S9DB200□□	
KEY TYPE S9IRB3□□ ~S9IR200□□	

▼ KEY SPEC

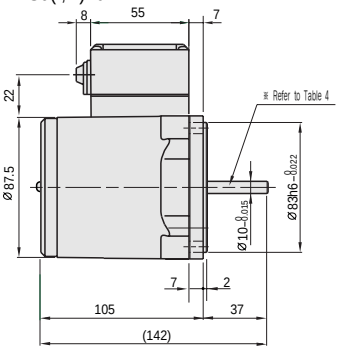
GEARHEAD	MOTOR
	

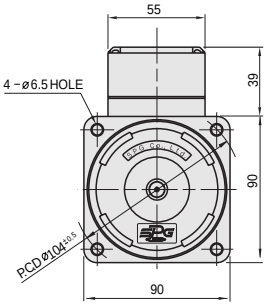
MODEL	TYPES OF OUTPUT SHAFT
GEAR TYPE S9(I,R)40G□□-T S9(I,R)40G□□-T1	
STRAIGHT TYPE S9(I,R)40S□-T S9(I,R)40S□-T1	
D-CUT TYPE S9(I,R)40D□-T S9(I,R)40D□-T1	
KEY TYPE S9(I,R)40K□-T S9(I,R)40K□-T1	

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

▼ MOTOR

※MOTOR MODEL : S9(I,R)40□□□-T1



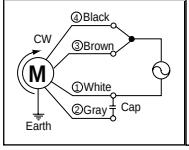
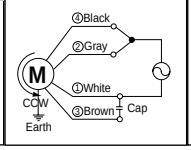
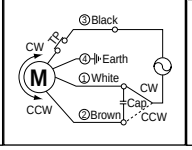
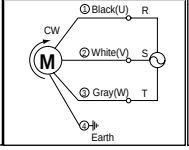
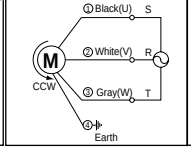
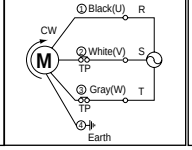
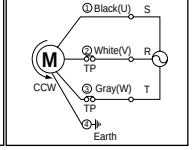


TERMINAL BOX TYPE MOTORS

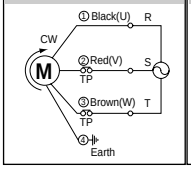
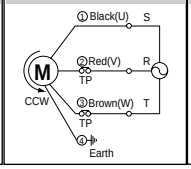
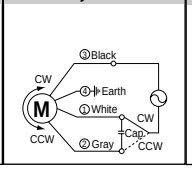
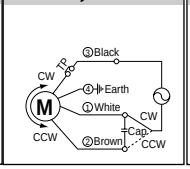
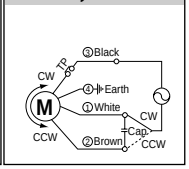
SCHEMATIC DIAGRAMS

The direction of motor rotation is as viewed from the front shaft end of the motor
Circled number is the terminal number inside terminal box.

■INDUCTION MOTOR

S9I40GA( )-T S9I40GB( )-T S9I40GC( )-T S9I40GD( )-T S9I40GA( )-T1S9I40GB( )-T1 S9I40GC( )-T1 S9I40GD( )-T1	S9I40GX( )-T S9I40GX( )-TCE S9I40GX( )-T1 S9I40GX( )-T1CE	S9I40GU( )-T S9I40GT( )-T S9I40GU( )-T1 S9I40GT( )-T1		S9I40GU( )-TCE S9I40GT( )-TCE S9I40GU( )-T1CE S9I40GT( )-T1CE	
CW	CCW	CW,CCW	CW	CCW	CW	CCW
						

■REVERSIBLE MOTOR

S9I40GS( )-TCE S9I40GS( )-T S9I40GS( )-T1CE S9I40GS( )-T1	S9R40GA( )-T, S9R40GB( )-T S9R40GA( )-T1, S9R40GB( )-T1 S9R40GC( )-T, S9R40GD( )-T S9R40GC( )-T1, S9R40GD( )-T1	S9R40GX( )-T, S9R40GX( )-TCE S9R40GX( )-T1, S9R40GX( )-T1CE	S9R40GA( )-T(TP), S9R40GB( )-T(TP), S9R40GC( )-T(TP), S9R40GD( )-T(TP), S9R40GA( )-T1(TP), S9R40GB( )-T1(TP), S9R40GC( )-T1(TP), S9R40GD( )-T1(TP), S9R40GA( )-TCE , S9R40GB( )-TCE , S9R40GC( )-TCE S9R40GD( )-TCE , S9R40GE( )-T , S9R40GE( )-TCE S9R40GA( )-T1CE , S9R40GB( )-T1CE , S9R40GC( )-T1CE S9R40GD( )-T1CE , S9R40GE( )-T1 , S9R40GE( )-T1CE
CW	CCW	CW,CCW	CW,CCW	CW,CCW
				

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. ①, ②, ③, ④:Terminal NO.