



150W

INDUCTION 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	S9I150GU S9I150GUCE	4	150	3 ∅ 200	50	Cont.	1.0	1250	11.70	1.170	18.0	1.800	—
					60		0.9	1500	9.70	0.970	15.0	1.500	
	S9I150GT S9I150GTCE	4	150	3 ∅ 220	50	Cont.	1.0	1300	11.30	1.130	22.0	2.200	—
					60		0.9	1550	9.40	0.940	19.0	1.900	
	S9I150GS S9I150GSCE	4	150	3 ∅ 380	50	Cont.	0.46	1250	11.70	1.170	18.00	1.800	—
					60		0.42	1500	9.70	0.970	15.00	1.500	
				3 ∅ 400	50	Cont.	0.49	1250	11.70	1.170	19.00	1.900	
					60		0.43	1500	9.70	0.970	16.00	1.600	

- ❖ CE marked at the end of model name indicates that it is thermally protected type which has received CE with built-in TP.
- ❖ TP marked at the end of the model name indicates that it is standard motor with Thermal Protector mounted.
- ❖ Only "H" type is applicable.
- ❖ 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

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
S9KH□B	kg-cm	23.1	27.7	38.5	46.2	57.7	69.3	77.0	86.6	104	125	139	156	187	224	249	300	300	300	300	300	300	300	300	300
	N·m	2.264	2.717	3.773	4.528	5.660	6.792	7.546	8.489	10.24	12.29	13.65	15.36	18.34	21.97	24.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42

60Hz

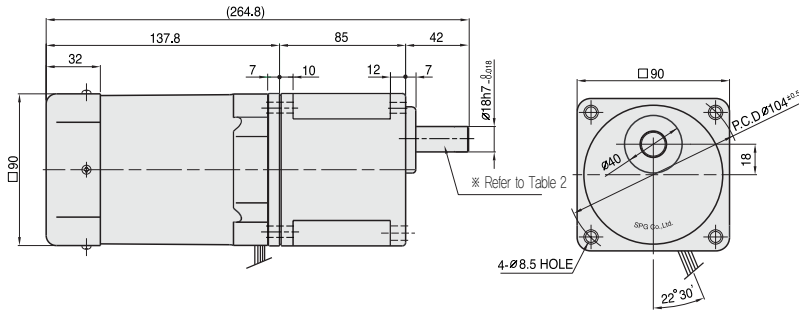
MODEL	GEAR RATIO	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
	rpm	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
S9KH□B	kg-cm	23.2	27.8	38.7	46.4	58.0	69.6	77.4	87.0	104	125	139	156	188	225	250	300	300	300	300	300	300	300	300	300
	N·m	2.276	2.731	3.793	4.552	5.689	6.827	7.586	8.534	10.24	12.29	13.65	15.36	18.43	22.06	24.52	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42

- ❖ The code in □ of gearhead model is for gear ratio.
- ❖ It is the permissible TORQUE of the assembled motor and gearhead.
- ❖ ■ 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.
- ❖ Only "H" type is applicable.

DIMENSIONS

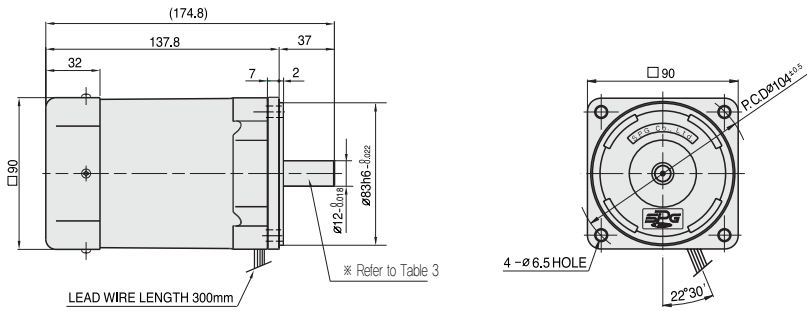
+ GEARED MOTOR

- * MOTOR MODEL : S9I150G□
- * HEAD MODEL : S9□H3B~S9□H200B



+ MOTOR

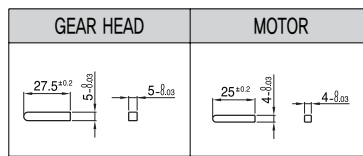
- * MODEL : S9I150□□



+ WEIGHT - (Table1)

PART		WEIGHT(kg)
MOTOR		2.93
GEAR HEAD	S9□H3B ~S9□H10B	1.65
	S9□H12.5B ~S9□H20B	1.80
	S9□H25B ~S9□H60B	1.90
	S9□H75B ~S9□H200B	1.95

+ KEY SPEC



+ SPEC for output shaft of gearhead - (Table2)

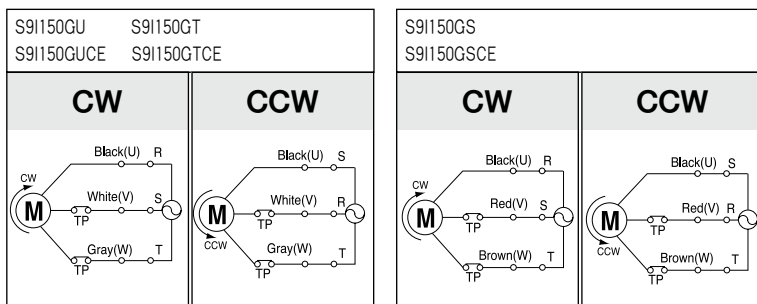
MODEL	TYPES OF OUTPUT SHAFT
STRAIGHT TYPE	
S9SH3B ~S9SH200B	
D-CUT TYPE	
KEY TYPE	
S9KH3B ~S9KH200B	

+ SPEC for output shaft of motor - (Table3)

MODEL	TYPES OF OUTPUT SHAFT
GEAR TYPE	
S9I150G□	
STRAIGHT TYPE	
S9I150S□	
D-CUT TYPE	
S9I150D□	
KEY TYPE	
S9I150K□	

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.