

150W

INDUCTION MOTOR
□90㎜ 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	S9I150GU-T S9I150GU-T1 S9I150GU-TCE S9I150GU-T1CE	4	150	3Ø 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-T S9I150GT-T1 S9I150GT-TCE S9I150GT-T1CE	4	150	3Ø 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-T S9I150GS-T1 S9I150GS-TCE S9I150GS-T1CE	4	150	3Ø 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	
				3Ø 400	50	Cont.	0.49	1250	11.70	1.170	19.00	1.900	
					60		0.43	1500	9.70	0.970	16.00	1.900	

❖ 상기 MODEL은 TP가 내장된 THERMALLY PROTECTED TYPE입니다. (Above model is a TP embeded and thermally protected type.)
❖ 기종명 맨 끝자리에 CE가 명기된 MODEL의 인증 관련 내용은 SPG 규격 인증품 현황을 참고하여 주십시오. (CE marked at the end of the model name indicates that it is t hermally protected type which has received CE with built-in TP.)
❖ H Type전용으로 기종명에 표시하지 않습니다. (Only "H" type is applicable.)
❖ 삼상 380V~440V 모터에서는 인버터 사용을 주의하여 주십시오. 인버터 사용시 권선의 절연이 열화되어 모터가 파손될 수 있습니다. (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 / MODEL		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	2.26	2.72	3.77	4.53	5.66	6.79	7.55	8.49	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

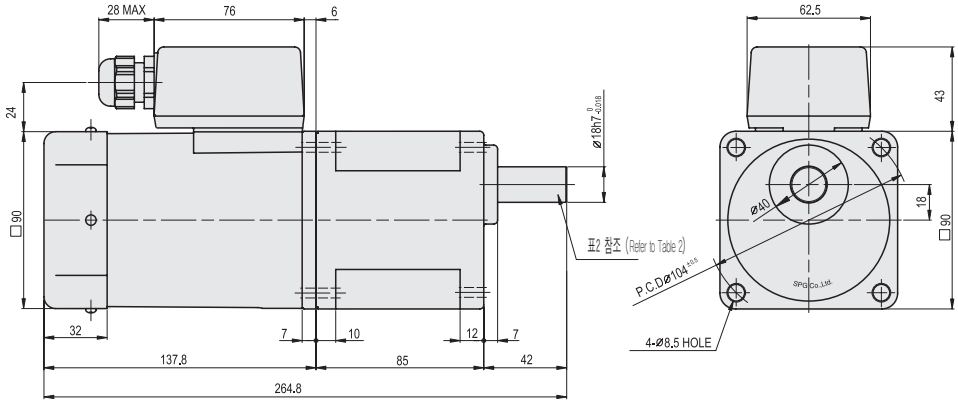
GEAR RATIO / MODEL		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
	rpm	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
S9KH□B	kg-cm	23.2	27.8	38.7	46.4	58.0	69.6	77.4	87.0	104	125	139	156	188	225	250	300	300	300	300	300	300	300	300	300
	N·m	2.28	2.73	3.79	4.55	5.69	6.83	7.59	8.53	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

❖ GEAR HEAD 품명 중 □은 감속비를 표시합니다. (The code in □ of gearhead model is for gear ratio.)
❖ GEAR HEAD와 조합한 경우의 허용 TORQUE입니다. (It is the permissible torque (in small letters to be consistent with others) of the assembled motor and gearhead.)
❖ 회전방향은 ■색이 MOTOR의 회전방향과 동일방향이고, 기타는 MOTOR 회전방향과 반대방향입니다. (■ 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.)
❖ 회전수는 MOTOR의 동기 회전수(50Hz : 1500rpm, 60Hz : 1800rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다. 실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다. (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.)
❖ 'H' Type 전용으로 기종명에 표시하지 않습니다. (Only "H" type is applicable.)

DIMENSIONS

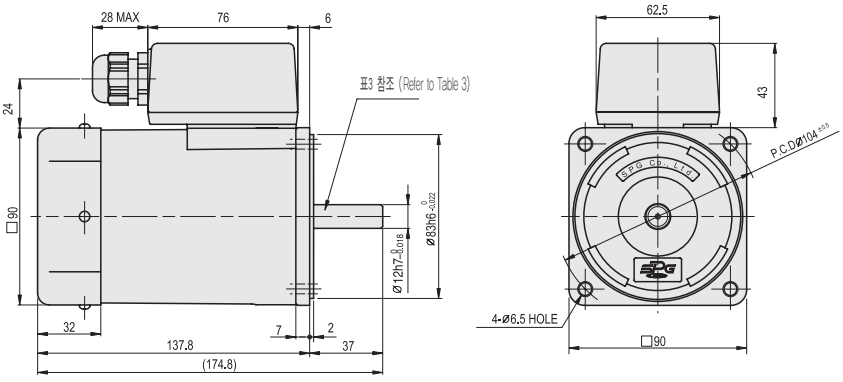
GEARED MOTOR

※MOTOR MODEL : S9I150G□-T
※HEAD MODEL : S9□H3B~S9□H200B



MOTOR

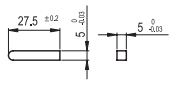
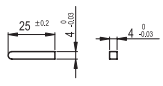
※MOTOR MODEL : S9I150□□-T



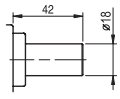
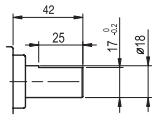
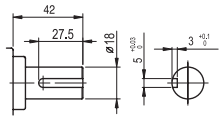
WEIGHT – (표1 (Table1))

PART		WEIGHT(kg)
MOTOR		3.10
GEAR HEAD	S9□H3B ~S9□H10B	1.65
	S9□H12.5B ~S9□H20 B	1.80
	S9□H25B ~S9□H60B	1.90
	S9□H75B ~S9□H200B	1.95

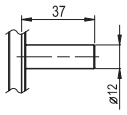
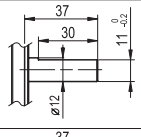
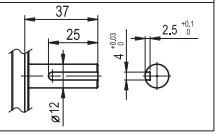
KEY SPEC

GEAR HEAD	MOTOR
	

GEAR HEAD 출력축 사양 (SPEC for output shaft of gearhead) – (표2 (Table2))

MODEL	출력축 구분 (TYPES OF OUTPUT SHAFT)
STRAIGHT TYPE S9SH3B ~S9SH200B	
D-CUT TYPE S9DH3B ~S9DH200B	
KEY TYPE S9KH3B ~S9KH200B	

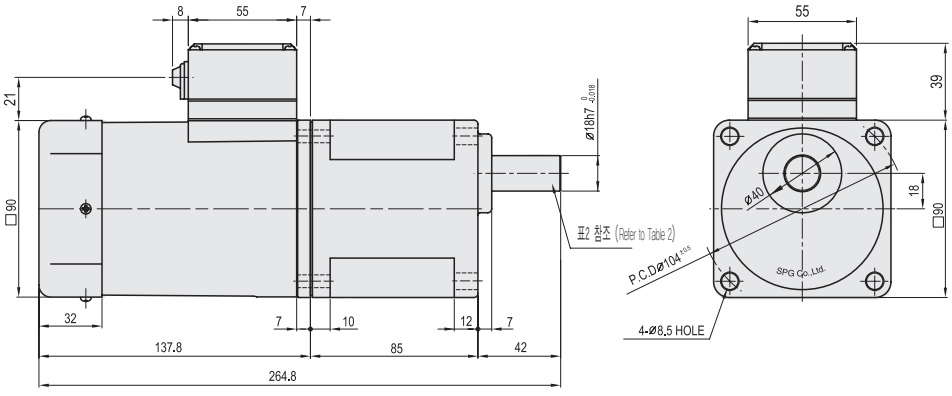
MOTOR 출력축 사양 (SPEC for output shaft of motor) – (표3 (Table3))

MODEL	출력축 구분 (TYPES OF OUTPUT SHAFT)
GEAR TYPE S9I150G□-T	
STRAIGHT TYPE S9I150S□-T	
D-CUT TYPE S9I150D□-T	
KEY TYPE S9I150K□-T	

DIMENSIONS

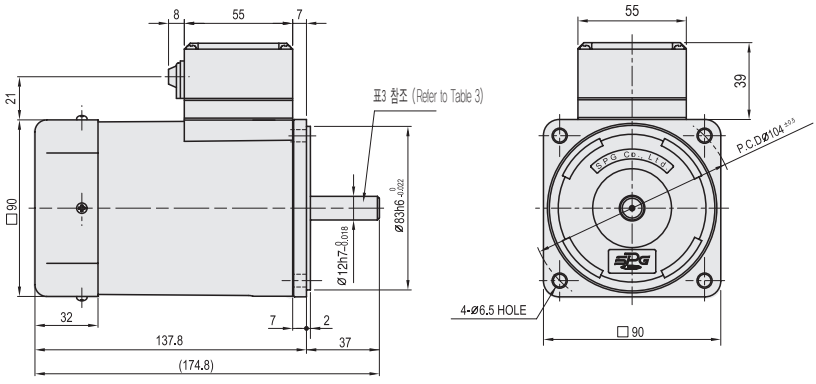
GEARED MOTOR

※MOTOR MODEL : S9I150G□-T1
※HEAD MODEL : S9□H3B~S9□H200B



MOTOR

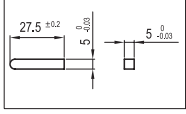
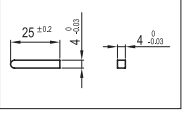
※MOTOR MODEL : S9I150□□-T1



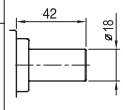
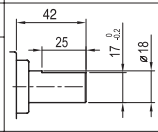
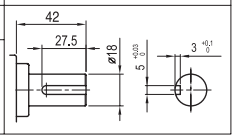
WEIGHT – (표1 (Table1))

PART		WEIGHT(kg)
MOTOR		3.05
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

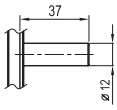
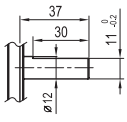
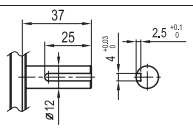
KEY SPEC

GEAR HEAD	MOTOR
	

GEAR HEAD 출력축 사양 (SPEC for output shaft of gearhead) – (표2 (Table2))

MODEL	출력축 구분 (TYPES OF OUTPUT SHAFT)
STRAIGHT TYPE S9SH3B ~S9SH200B	
D-CUT TYPE S9DH3B ~S9DH200B	
KEY TYPE S9KH3B ~S9KH200B	

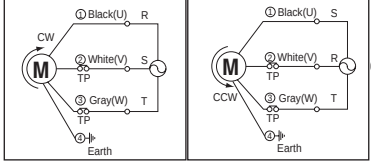
MOTOR 출력축 사양 (SPEC for output shaft of motor) – (표3 (Table3))

MODEL	출력축 구분 (TYPES OF OUTPUT SHAFT)
GEAR TYPE S9I150G□-T1	
STRAIGHT TYPE S9I150S□-T1	
D-CUT TYPE S9I150D□-T1	
KEY TYPE S9I150K□-T1	

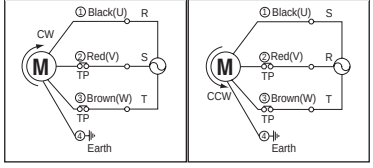
SCHEMATIC DIAGRAMS

회전방향은 MOTOR의 SHAFT 끝쪽에서 볼 때의 회전방향입니다. 원안의 번호는 TERMINAL BOX 내의 단자 번호입니다. (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.)

S9I150GU-T	S9I150GU-T
S9I150GU-T1	S9I150GU-T1
S9I150GU-TCE	S9I150GU-TCE
S9I150GU-T1CE	S9I150GU-T1CE



S9I150GS-TCE	S9I150GS-T
S9I150GS-T1CE	S9I150GS-T1



주의 : INDUCTION MOTOR 회전방향의 교환은 MOTOR가 완전히 정지한 후에 실시하여 주십시오. MOTOR가 회전 중에 회전방향을 교환할 경우 회전방향이 바뀌지 않거나, 회전방향이 바뀌어지는 데 있어서 시간이 걸리는 수도 있습니다. (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.)