

180W

INDUCTION MOTOR □90㎜ 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)
90	S9I180GA S9I180GA(TP)	4	180	1 ø 110	60	Cont.	2.60	1600	11.50	1.150	8.00	0.800	25.0
	S9I180GB S9I180GB(TP)	4	180	1 ø 220	60	Cont.	1.32	1600	11.50	1.150	8.00	0.800	6.5
	S9I180GC S9I180GC(TP)	4	180	1 ø 100	50	Cont.	3.20	1250	14.00	1.400	7.00	0.700	25.0
					60		2.90	1550	11.60	1.160			
	S9I180GD S9I180GD(TP)	4	180	1 ø 200	50	Cont.	1.60	1250	14.00	1.400	7.00	0.700	6.5
					60		1.45	1550	11.60	1.160			
	S9I180GTCE	4	180	3 ø 200	50	Cont.	1.18	1250	13.20	1.320	43.20	4.32	
					60		1.02	1500	11.10	1.110	32.90	3.29	
				3 ø 220	50		1.32	1300	12.90	1.290	52.50	5.25	
					60		1.04	1550	10.80	1.080	40.20	4.02	
	S9I180GSCE	4	180	3 ø 380	50	Cont.	0.56	1300	13.4	1.34	39.0	3.90	
					60		0.50	1550	11.2	1.12	30.2	3.02	
				3 ø 400	50		0.57	1350	13.0	1.30	42.6	4.26	
					60		0.50	1600	11.0	1.10	33.0	3.30	

❖ 기종명 맨 끝자리에 (TP)가 명기된 MODEL은 일반 MOTOR의 TP가 내장된 THERMALLY PROTECTED TYPE입니다. (TP marked at the end of the model name indicates that it is standard motor with Thermal Protector mounted.)
❖ 'H' Type 전용으로 기종명에 표시하지 않습니다. (Only "H" type is applicable.)

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	34.0	41.0	57.0	68.0	85.1	102	113	128	153	184	204	230	278	300	300	300	300	300	300	300	300	300	300	300
	N·m	3.336	4.021	5.590	6.672	8.341	10.01	11.12	12.55	15.01	18.04	20.02	22.56	27.26	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42

60Hz

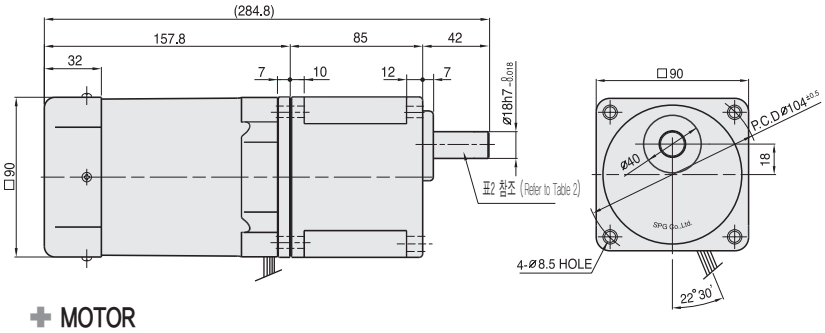
GEAR RATIO / MODEL		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
	rpm	600	500	360	300	240	200	180	144	120	100	90	72	60	50	45	36	30	24	20	18	15	12	10	9
S9KH□B	kg-cm	28.1	34.0	47.0	57.0	71.0	84.2	94.0	105	126	152	168	189	227	273	300	300	300	300	300	300	300	300	300	300	300
	N·m	2.756	3.334	4.609	5.590	6.963	8.257	9.218	10.30	12.39	14.91	16.51	18.58	22.29	26.75	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42

❖ GEAR HEAD 품명중 □은 감속비를 표시합니다. (The code in □ of gearhead model is for gear ratio.)
❖ GEAR HEAD와 조합한 경우의 허용 TORQUE입니다. (It is the permissible torque 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

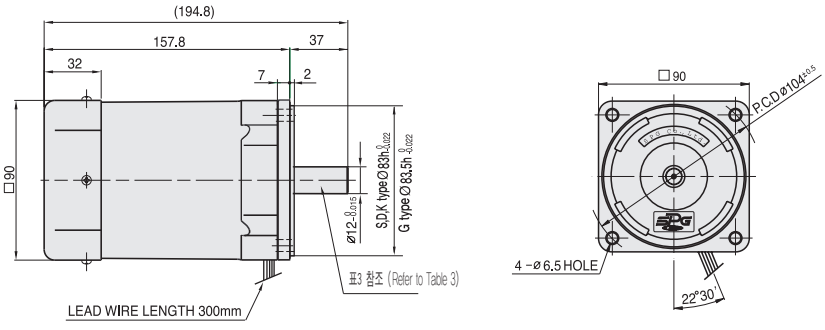
✚ GEARED MOTOR

※MOTOR MODEL : S9I180G□
※HEAD MODEL : S9□H3B~S9□H200B



✚ MOTOR

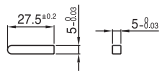
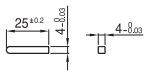
※MOTOR MODEL : S9I180□□



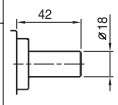
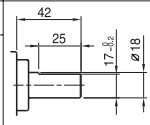
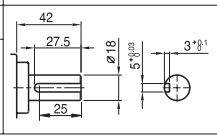
✚ WEIGHT – (표1 (Table1))

PART		WEIGHT(kg)
MOTOR		3.70
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

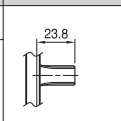
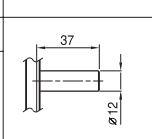
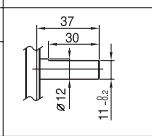
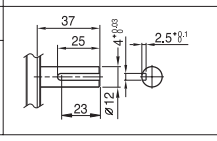
✚ KEY SPEC

GEAR HEAD	MOTOR
	

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

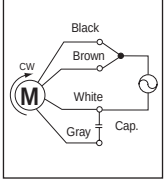
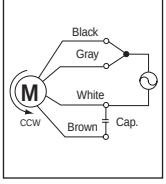
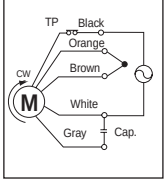
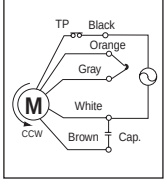
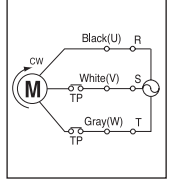
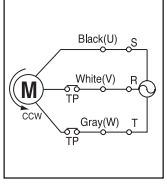
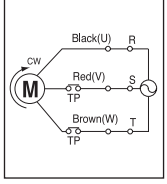
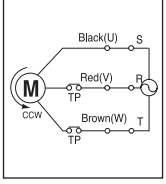
MODEL	출력축 구분 (TYPES OF OUTPUT SHAFT)
STRAIGHT TYPE S9SH3B ~S9SH200B	
D-CUT TYPE S9DH3B ~S9DH200B	
KEY TYPE S9KH3B ~S9KH200B	

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

MODEL	출력축 구분 (TYPES OF OUTPUT SHAFT)
GEAR TYPE S9I180G□	
STRAIGHT TYPE S9I180S□	
D-CUT TYPE S9I180D□	
KEY TYPE S9I180K□	

SCHEMATIC DIAGRAMS

회전방향은 MOTOR의 SHAFT 끝쪽에서 볼 때의 회전방향입니다. (The direction of motor rotation is as viewed from the front shaft end of the motor.)

S9I180GA S9I180GB S9I180GC S9I180GD		S9I180GA(TP) S9I180GB(TP) S9I180GC(TP) S9I180GD(TP)		S9I180GTCE		S9I180GSCE	
CW	**CCW**	**CW**	**CCW**	**CW**	**CCW**	**CW**	**CCW**
							

주의 : MOTOR 회전 방향의 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.)