

3W

INDUCTION MOTOR □60㎜ 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)
60	S6I03GA S6I03GACE	4	3	1Ø 110	60	Cont.	0.15	1500	0.21	0.021	0.25	0.025	2.0
	S6I03GC S6I03GCCE	4	3	1Ø 100	50	Cont.	0.15	1200	0.25	0.025	0.25	0.025	2.0
					60			1450	0.21	0.021			
	S6I03GE S6I06GECE	4	3	1Ø 100	50	Cont.	0.15	1200	0.25	0.025	0.25	0.025	2.0
					60			1450	0.21	0.021			
				1Ø 115	60		0.15	1450	0.21	0.021			1.5

❖ 기종명 S6I03GE는 사용하는 전압사양에 따라 CONDENSER 용량이 다르게 사용됩니다. 사용전압에 맞게 CONDENSER용량을 바르게 사용하여 주십시오. 고장의 원인이 됩니다. 주문 시 사용전압을 제시하여 주십시오. 별도의 제시가 없으면 115V용 CONDENSER로 포장되어 출하됩니다. (Appropriate capacitors shall be used according to the voltage for S6I03GE type since the size of the capacitor differs by different voltages. Malfunction may occur when not used properly. Capacitor for 115V will be delivered otherwise the required voltage is informed.)

❖ 기종명 끝자리에 CE가 명기된 MODEL의 인증 관련 내용은 SPG 규격 인증품 현황을 참고하여 주십시오. 기종명 S6I03GECE는 115V 사양으로만 출하 됩니다. (CE marked at the end of model name indicates that it is impedance protected type which has received CE. S6I03GECE is available only for 115V specification.)

❖ 'L' TYPE 전용으로 기종명에 표시하지 않습니다. ("L"or "H"type does not apply to motors under 40W.)

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	250
	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	6
S6DT□B	kg-cm	0.6	0.7	1.0	1.2	1.5	1.8	2.0	2.5	3.0	3.6	3.6	4.6	5.5	6.6	7.3	8.2	9.8	12.3	15.0	15.0	15.0	15.0	15.0	15.0	15.0
	N·m	0.06	0.07	0.10	0.12	0.15	0.18	0.20	0.25	0.30	0.36	0.36	0.46	0.55	0.66	0.73	0.82	0.98	1.23	1.5	1.5	1.5	1.5	1.5	1.5	1.5

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	250
	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	7.2
S6DT□B	kg-cm	0.5	0.6	0.8	1.0	1.3	1.5	1.7	2.1	2.6	3.1	3.4	3.8	4.6	5.5	6.8	6.9	8.3	10.0	12.0	14.0	15.0	15.0	15.0	15.0	15.0
	N·m	0.05	0.06	0.08	0.10	0.13	0.15	0.17	0.21	0.26	0.31	0.34	0.38	0.46	0.55	0.68	0.69	0.83	1.0	1.2	1.4	1.5	1.5	1.5	1.5	1.5

❖ 상기 표는 GEAR HEAD와 조립된 경우의 허용 TORQUE 입니다. (The code in□of gearhead model is for gear ratio.)

❖ GEAR HEAD 품명 중 □은 감속비를 표시 합니다. (It is the permissible torque of the assembled motor and gearhead.)

❖ 표의 감속비 보다 더 감속이 필요한 경우에는, 감속비 1/10인 중간 GEARHEAD의 사용이 가능합니다. 이 경우 허용 TORQUE는 15㎏-㎝입니다. (The permissible torque of the motor and inter-decimal gearhead is 15 kg-cm.)

❖ 회전방향은 ■색이 MOTOR와 동일한 회전방향이고, 기타는 MOTOR와 반대방향으로 회전합니다. (■ 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.)

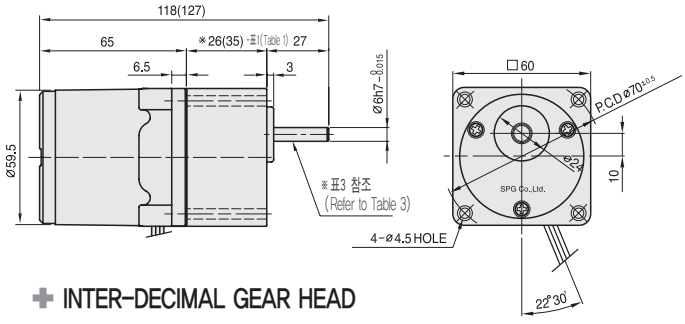
❖ 회전수는 MOTOR의 동기 회전수(50Hz : 1500rpm, 60Hz : 1800rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다. 실제의 회전수는 부하의 크기에 따라 2~20% 적습니다. (Rpm is based on synchronous speed (50Hz: 1500rpm, 60Hz: 1800rpm) divided by gear ratio. The actual rotation speed can be 2~20% less than displayed value depending on the load.)

❖ 'L' TYPE 전용으로 기종명에 표시하지 않습니다. ("L"or "H"type does not apply to motors under 40W.)

DIMENSIONS

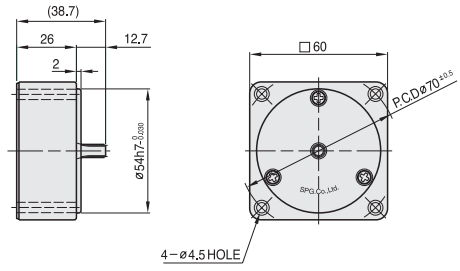
✚ GEARED MOTOR

※MOTOR MODEL : S6I03G□
※HEAD MODEL : S6□T3□~S6□T250□



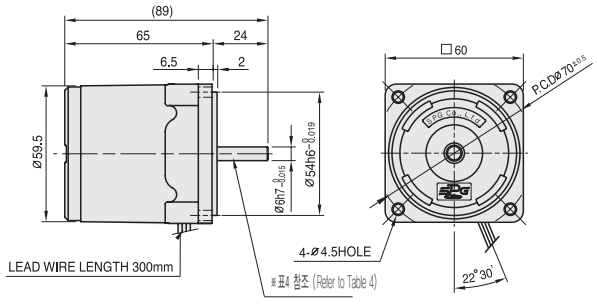
✚ INTER-DECIMAL GEAR HEAD

※ MODEL : S6GX10B



✚ MOTOR

※MOTOR MODEL : S6I03□□



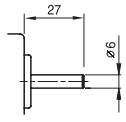
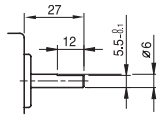
✚ ※26(35) – (표1 (Table1))

GEAR RATIO	SIZE(㎜)
S6□T3□ ~ S6□T18□	26
S6□T20□ ~ S6□T250□	35

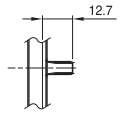
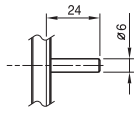
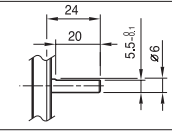
✚ WEIGHT – (표2 (Table2))

PART		WEIGHT(kg)
MOTOR		0.60
DECIMAL GEAR HEAD		0.18
GEAR HEAD	S6□T3□ ~S6□T18□	0.21
	S6□T20□ ~S6□T40□	0.27
	S6□T50□ ~S6□T250□	0.30

✚ GEAR HEAD 출력축 사양 (SPEC for output shaft of gearhead) – (표3 (Table3))

MODEL	출력축 구분 (TYPES OF OUTPUT SHAFT)
STRAIGHT TYPE S6ST3□ ~S6ST250□	
D-CUT TYPE S6DT3□ ~S6DT250□	

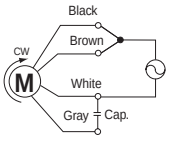
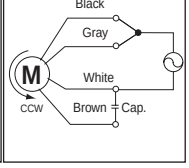
✚ MOTOR 출력축 사양 (SPEC for output shaft of motor) – (표4 (Table4))

MODEL	출력축 구분 (TYPES OF OUTPUT SHAFT)
GEAR TYPE S6I03G□	
STRAIGHT TYPE S6I03S□	
D-CUT TYPE S6I03D□	

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.)

S6I03GA S6I03GACE
S6I03GC S6I03GACE
S6I03GE S6I03GECE

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.)