UNIT TYPE SPEED CONTROL MOTOR

UNIT TYPE SPEED CONTROL MOTOR의 특징

- 분리형 UNIT TYPE의 CONTROLLER와 MOTOR가 일체로 사용되는 UNIT 제품입니다.
- MOTOR와 CONNECTOR를 ONE TOUCH로 접속하고, AC 전원을 간단히 연결하여 별도의 결선 방법이 필요치 않으며 속도제어를 외부에 부착되어 있는 KEY 조작으로 간단히 조정하여 사용할 수 있습니다.
  따라서 원격 조작이 필요로 하는 용도에 가장 적합하게 사용할 수 있습니다.
- UNIT TYPE의 CONTROLLER에 속도제어회로, MOTOR용 CONDENSER, 속도설정기 등이 조립되어 있습니다.
  (CONDENSER는 일부 기종에 따라 CONDENSER 크기 때문에 외부에서 취부하는 MODEL도 있습니다. 양지하시어 사용하십시오.)
- UNIT TYPE의 CONTROLLER는 순시정지기능이 없습니다.
- 별매하고 있는 중간 CONNECTOR용 CORD를 사용하면 MOTOR와 CONTROLLER와 최대 2.0m까지 떨어뜨려서 속도제어가 가능합니다.
- 가변범위는 50Hz인 경우 90[rpm]~1400[rpm]이며, 60Hz인 경우 90[rpm]~1700[rpm]의 광범위하게 변속이 가능합니다.(무부하 조건일 때)

MOTOR의 일반사양

항목	사 양
절연저항	상온 상습에서 MOTOR를 정격으로 운전 후 MOTOR의 COIL, MOTOR CASE 사이를 DC 500V MEGGER로 측정하여 100MΩ 이상임.
절연내압	상온 상습에서 MOTOR를 정격으로 운전 후 MOTOR의 COIL, MOTOR CASE 사이에 1500V 50/60Hz를 1분간 인가하여 이상없음
온도상승	MOTOR를 정격으로 운전 후 온도계법으로 측정하여 온도 상승 치(△T)가 80℃(K) 이하 (FAN 부착 MOTOR는 45℃이하임)
절연등급	B종 (130℃)
과열보호 장치 (T/P)	THERMAL PROTECTOR 내장(자동 복귀형) : 개방 120℃±5℃, 복귀 76℃±15℃
사용온도	-10℃~40℃
사용습도	85% 이하(결로없는곳)

6W

INDUCTION SPEED CONTROL MOTOR
□60㎜ CONNECTOR TYPE

SIZE mm sq.	Motor Type	Controller Type	Poles	Output	Voltage	Freq.	Duty	Speed Range	Permissible Torque at 1200rpm		Permissible Torque at 90rpm		Starting Torque		Cap.
				(W)	(V)	(Hz)		(rpm)	(kg-cm)	(N-m)	(kg-cm)	(N-m)	(kg-cm)	(N-m)	(μF)
60	S6I06GA-V12 S6I06GA-V12CE	SUA06IA-V12	4	6	1Ø 110	60	Cont.	90-1700	0.55	0.055	0.40	0.040	0.52	0.052	2.5
	S6I06GB-V12 S6I06GB-V12CE	SUA06IB-V12	4	6	1Ø 220	60	Cont.	90-1700	0.55	0.055	0.40	0.040	0.52	0.052	0.7
	S6I06GC-V12 S6I06GC-V12CE	SUA06IC-V12	4	6	1Ø 100	50 60	Cont.	90-1400 90-1700	0.48	0.048	0.30	0.030	0.40	0.040	2.5
	S6I06GD-V12 S6I06GD-V12CE	SUA06ID-V12	4	6	1Ø 200	50 60	Cont.	90-1400 90-1700	0.48	0.048	0.30	0.030	0.40	0.040	0.7
	S6I06GX-V12 S6I06GX-V12CE	SUA06IX-V12	4	6	1Ø 220 1Ø 240	50	Cont.	90-1400	0.35 0.45	0.035 0.045	0.22 0.22	0.022 0.022	0.35 0.42	0.035 0.042	0.7

❖ 기종명 맨 끝자리에 CE가 명기된 MOTOR MODEL의 인증 관련 내용은 SPG 규격 인증품 현황을 참고하여 주십시오.
❖ 'L' Type 전용으로 기종명에 표시하지 않습니다.

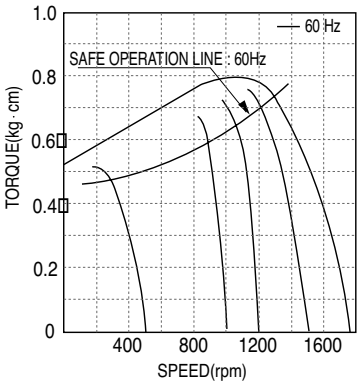
50Hz

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	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
S6DA□B	kg-cm	1.3	1.5	2.1	2.6	3.2	3.9	4.3	5.4	6.4	7.7	7.7	9.7	11.6	13.9	15.5	17.5	21.0	26.2	30.0	30.0	30.0	30.0	30.0	30.0	30.0
	N·m	0.127	0.147	0.206	0.255	0.314	0.382	0.421	0.529	0.627	0.755	0.755	0.951	1.137	1.362	1.519	1.715	2.058	2.568	2.942	2.942	2.942	2.942	2.942	2.942	2.942

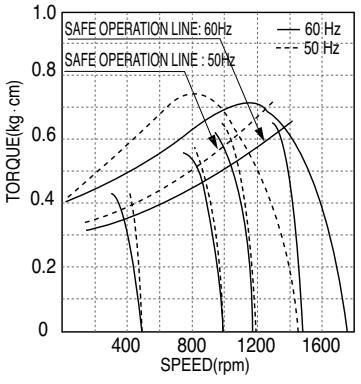
60Hz

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	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
S6DA□B	kg.-cm	1.0	1.3	1.7	2.1	2.6	3.1	3.5	4.4	5.2	6.3	6.3	7.8	9.4	11.3	12.6	14.2	17.0	21.3	25.5	28.4	30.0	30.0	30.0	30.0	30.0
	N·m	0.098	0.127	0.167	0.206	0.255	0.304	0.343	0.431	0.510	0.617	0.617	0.764	0.921	1.107	1.235	1.392	1.666	2.087	2.499	2.783	2.942	2.942	2.942	2.942	2.942

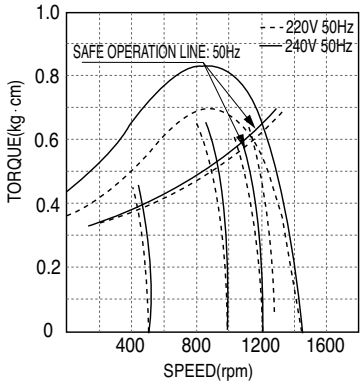
❖ GEAR HEAD 품명 중 □은 감속비를 표시합니다.
❖ GEAR HEAD와 조합한 경우의 허용 TORQUE입니다. 감속비 1/10의 중간 GEAR HEAD를 접속한 경우의 허용 TORQUE는 30㎏-㎝입니다.
❖ 회전방향은 ■색이 MOTOR의 회전방향과 동일방향이고, 기타는 MOTOR 회전방향과 반대방향입니다.
❖ 회전수는 MOTOR의 동기 회전수(50Hz : 1500rpm, 60Hz : 1800rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다.
실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다.
❖ 'L' Type 전용으로 기종명에 표시하지 않습니다.



▲ S6I06GA-V12 , S6I06GB-V12
S6I06GA-V12CE , S6I06GB-V12CE



▲ S6I06GC-V12 , S6I06GD-V12
S6I06GC-V12CE , S6I06GD-V12CE

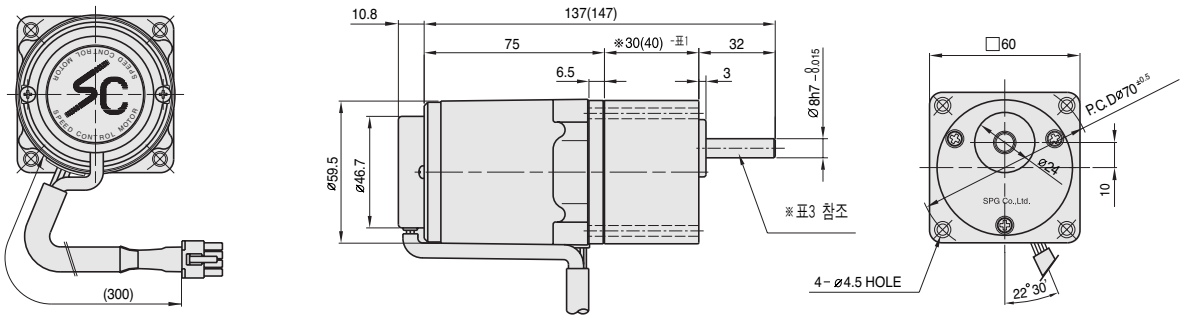


▲ S6I06GX-V12
S6I06GX-V12CE

DIMENSIONS

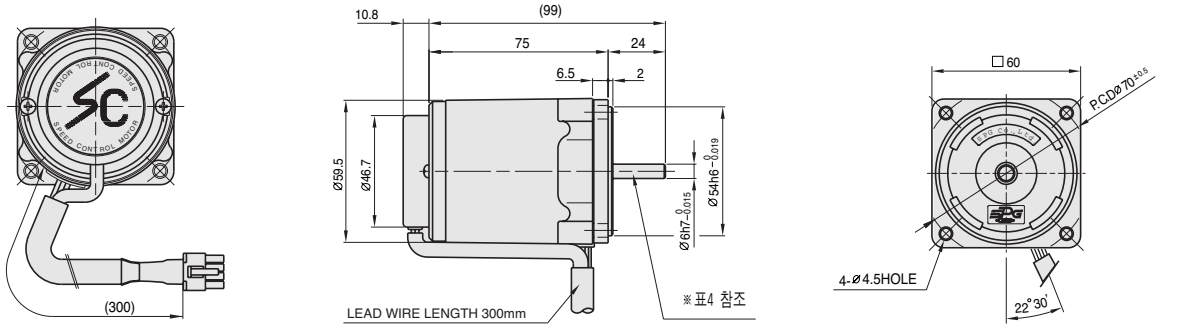
✚ GEARED MOTOR

※MOTOR MODEL : S6I06G□-V12
※HEAD MODEL : S6□A3□~S6□A250□



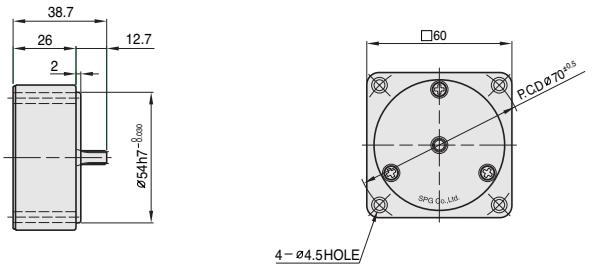
✚ MOTOR

※MOTOR MODEL : S6I06□□-V12

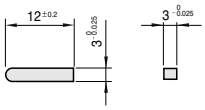


✚ INTER-DECIMAL GEAR HEAD

※MODEL : S6GX10B



✚ KEY SPEC

GEAR HEAD


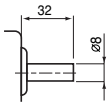
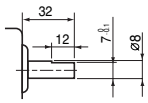
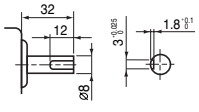
✚ ※30(40) - (표1)

GEAR RATIO	SIZE(㎜)
S6□A3□ ~ S6□A18□	30
S6□A20□ ~ S6□A250□	40

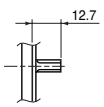
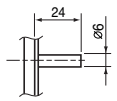
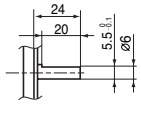
✚ WEIGHT - (표2)

PART		WEIGHT(kg)
MOTOR		0.76
DECIMAL GEAR HEAD		0.18
GEAR HEAD	S6□A3□ ~S6□A18□	0.24
	S6□A20□ ~S6□A40□	0.30
	S6□A50□ ~S6□A250□	0.33

✚ GEAR HEAD 출력축 사양 - (표3)

MODEL	출력축 구분
STRAIGHT TYPE S6SA3□ ~S6SA250□	
D-CUT TYPE S6DA3□ ~S6DA250□	
KEY TYPE S6KA3□ ~S6KA250□	

✚ MOTOR 출력축 사양 - (표4)

MODEL	출력축 구분
GEAR TYPE S6I06G□-V12	
STRAIGHT TYPE S6I06S□-V12	
D-CUT TYPE S6I06D□-V12	

15W

INDUCTION SPEED CONTROL MOTOR
□70㎜ CONNECTOR TYPE

SIZE mm sq.	Motor Type	Controller Type	Poles	Output (W)	Voltage (V)	Freq. (Hz)	Duty	Speed Range (rpm)	Permissible Torque at 1200rpm (kg-cm)	Permissible Torque at 1200rpm (N-m)	Permissible Torque at 90rpm (kg-cm)	Permissible Torque at 90rpm (N-m)	Starting Torque (kg-cm)	Starting Torque (N-m)	Cap. (μF)
70	S7I15GA-V12 S7I15GA-V12(TP) S7I15GA-V12CE	SUA715A-V12	4	15	1Ø 110	60	Cont.	90-1700	1.15	0.115	0.60	0.060	0.90	0.090	5.0
	S7I15GB-V12 S7I15GB-V12(TP) S7I15GB-V12CE	SUA715B-V12	4	15	1Ø 220	60	Cont.	90-1700	1.15	0.115	0.60	0.060	0.90	0.090	1.2
	S7I15GC-V12 S7I15GC-V12(TP) S7I15GC-V12CE	SUA715C-V12	4	15	1Ø 100	50	Cont.	90-1400	1.10	0.110	0.40	0.040	0.75	0.075	5.0
						60		90-1700	1.00	0.100					
	S7I15GD-V12 S7I15GD-V12(TP) S7I15GD-V12CE	SUA715D-V12	4	15	1Ø 200	50	Cont.	90-1400	1.10	0.110	0.40	0.040	0.75	0.075	1.2
						60		90-1700	1.00	0.100					
	S7I15GX-V12 S7I15GX-V12CE	SUA715X-V12	4	15	1Ø 220	50	Cont.	90-1400	1.05	0.105	0.50	0.050	0.70	0.070	0.9
					1Ø 240				1.25	0.125	0.60	0.060	0.85	0.085	

❖ 기종명 맨 끝자리에 CE가 명기된 MOTOR MODEL의 인증 관련 내용은 SPG 규격 인증품 현황을 참고하여 주십시오.
❖ 기종명 맨 끝자리에 (TP)가 명기된 MOTOR MODEL은 일반 MOTOR의 TP가 내장된THERMALLY PROTECTED TYPE입니다.
또한 기종명 S7I15GX-V12, S7I15GX-V12CE는 TP가 내장된 THERMALLY PROTECTED TYPE입니다.
❖ 'L' Type 전용으로 기종명에 표시하지 않습니다.

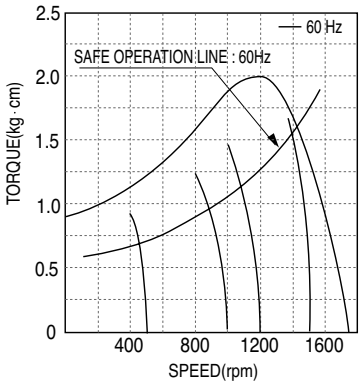
50Hz

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
S7KA□B	kg-cm	3.2	3.9	5.4	6.5	8.1	9.7	10.8	13.5	16.2	19.4	19.4	24.2	29.1	34.9	38.8	43.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
	N·m	0.314	0.382	0.530	0.637	0.794	0.951	1.059	1.324	1.587	1.902	1.902	2.373	2.854	3.423	3.805	4.276	4.900	4.900	4.900	4.900	4.900	4.900	4.900	4.900

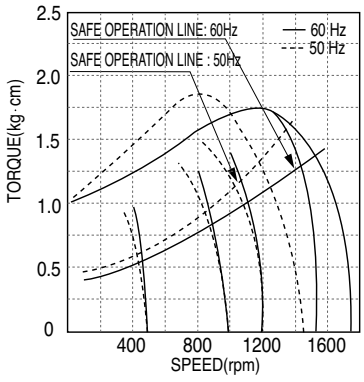
60Hz

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
S7KA□B	kg-cm	3.0	3.6	5.1	6.1	7.6	9.1	10.1	12.7	15.2	18.2	18.2	22.8	27.3	32.8	36.5	41.0	49.2	50.0	50.0	50.0	50.0	50.0	50.0	50.0
	N·m	0.294	0.353	0.500	0.598	0.745	0.892	0.990	1.245	1.491	1.785	1.785	2.236	2.677	3.217	3.579	4.021	4.825	4.900	4.900	4.900	4.900	4.900	4.900	4.900

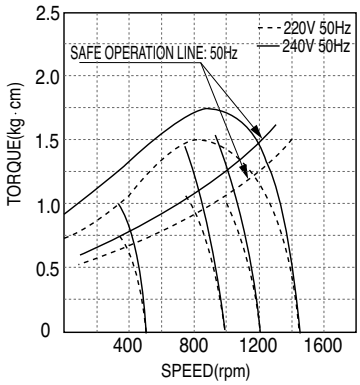
❖ GEAR HEAD 품명 중 □은 감속비를 표시합니다.
❖ GEAR HEAD와 조합한 경우의 허용 TORQUE입니다. 감속비 1/10의 중간 GEAR HEAD를 접속한 경우의 허용 TORQUE는 50㎏-㎝입니다.
❖ 회전방향은 ■색이 MOTOR의 회전방향과 동일방향이고, 기타는 MOTOR 회전방향과 반대방향입니다.
❖ 회전수는 MOTOR의 동기 회전수(50Hz : 1500rpm, 60Hz : 1800rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다. 실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다.
❖ 'L' Type 전용으로 기종명에 표시하지 않습니다.



▲ S7I15GA-V12 S7I15GB-V12
S7I15GA-V12(TP) S7I15GB-V12(TP)
S7I15GA-V12CE S7I15GB-V12CE



▲ S7I15GC-V12 S7I15GD-V12
S7I15GC-V12(TP) S7I15GD-V12(TP)
S7I15GC-V12CE S7I15GD-V12CE

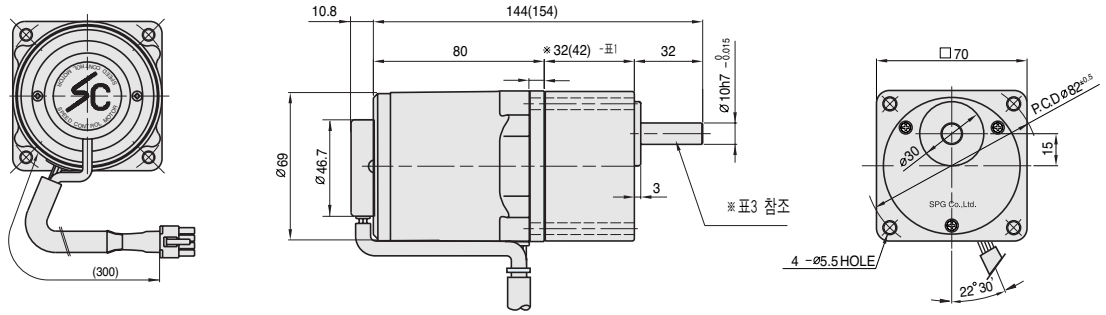


▲ S7I15GX-V12
S7I15GX-V12CE

DIMENSIONS

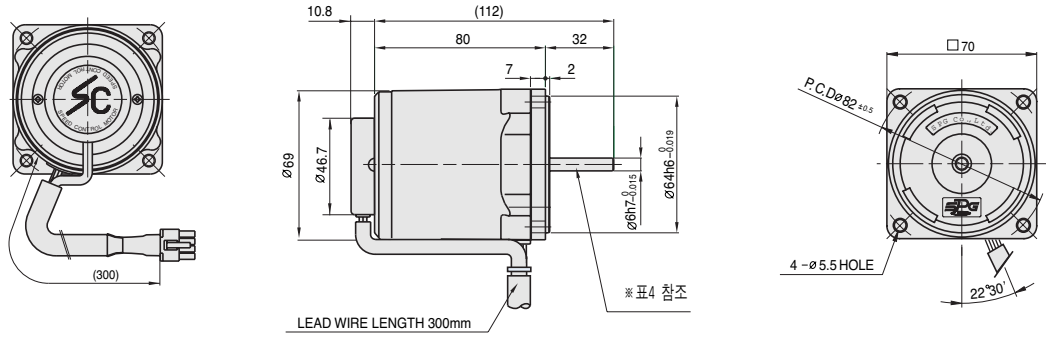
✚ GEARED MOTOR

※MOTOR MODEL : S7I15G□-V12
※HEAD MODEL : S7□A3□~S7□A200□



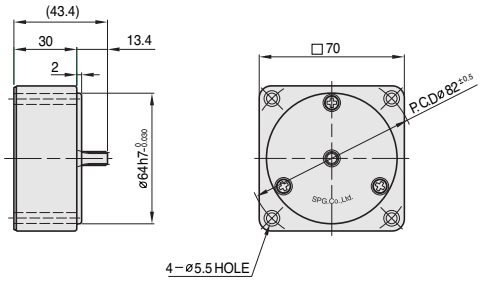
✚ MOTOR

※MOTOR MODEL : S7I15G□-V12

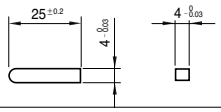


✚ INTER-DECIMAL GEAR HEAD

※MODEL : S7GX10B



✚ KEY SPEC

GEAR HEAD


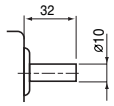
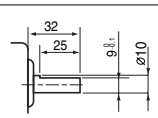
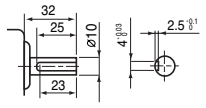
✚ ※32(42) - (표1)

GEAR RATIO	SIZE(㎜)
S7□A3□ ~ S7□A18□	32
S7□A20□ ~ S7□A200□	42

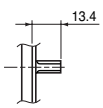
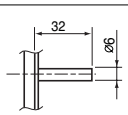
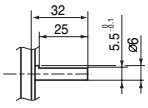
✚ WEIGHT - (표2)

PART		WEIGHT(kg)
MOTOR		1.04
DECIMAL GEAR HEAD		0.32
GEAR HEAD	S7□A3□ ~S7□A18□	0.38
	S7□A20□ ~S7□A40□	0.47
	S7□A50□ ~S7□A200□	0.52

✚ GEAR HEAD 출력축 사양 - (표3)

MODEL	출력축 구분
STRAIGHT TYPE S7SA3□ ~S7SA200□	
D-CUT TYPE S7DA3□ ~S7DA200□	
KEY TYPE S7KA3□ ~S7KA200□	

✚ MOTOR 출력축 사양 - (표4)

MODEL	출력축 구분
GEAR TYPE S7I15G□-V12	
STRAIGHT TYPE S7I15S□-V12	
D-CUT TYPE S7I15D□-V12	

15W

INDUCTION SPEED CONTROL MOTOR
□80㎜ CONNECTOR TYPE

SIZE mm sq.	Motor Type	Controller Type	Poles	Output (W)	Voltage (V)	Freq. (Hz)	Duty	Speed Range (rpm)	Permissible Torque at 1200rpm (kg-cm)	Permissible Torque at 1200rpm (N-m)	Permissible Torque at 90rpm (kg-cm)	Permissible Torque at 90rpm (N-m)	Starting Torque (kg-cm)	Starting Torque (N-m)	Cap. (μF)
80	S8I15GA-V12 S8I15GA-V12(TP) S8I15GA-V12CE	SUA15IA-V12	4	15	1Ø 110	60	Cont.	90-1700	1.50	0.150	0.35	0.035	0.75	0.075	4.0
	S8I15GB-V12 S8I15GB-V12(TP) S8I15GB-V12CE	SUA15IB-V12	4	15	1Ø 220	60	Cont.	90-1700	1.50	0.150	0.35	0.035	0.75	0.075	1.0
	S8I15GC-V12 S8I15GC-V12(TP) S8I15GC-V12CE	SUA15IC-V12	4	15	1Ø 100	50	Cont.	90-1400	1.20	0.120	0.32	0.032	0.60	0.060	4.0
						60		90-1700	1.00	0.100					
	S8I15GD-V12 S8I15GD-V12(TP) S8I15GD-V12CE	SUA15ID-V12	4	15	1Ø 200	50	Cont.	90-1400	1.20	0.120	0.32	0.032	0.60	0.060	1.0
						60		90-1700	1.00	0.100					
	S8I15GX-V12 S8I15GX-V12CE	SUA15IX-V12	4	15	1Ø 220	50	Cont.	90-1400	1.20	0.120	0.35	0.035	0.55	0.055	1.0
					1Ø 240				1.40	0.140	0.35	0.035	0.60	0.060	

❖ 기종명 맨 끝자리에 CE가 명기된 MOTOR MODEL의 인증 관련 내용은 SPG 규격 인증품 현황을 참고하여 주십시오.
❖ 기종명 맨 끝자리에 (TP)가 명기된 MOTOR MODEL은 일반 MOTOR의 TP가 내장된 THERMALLY PROTECTED TYPE입니다.
또한 기종명 S8I15GX-V12, S8I15GX-V12CE는 TP가 내장된 THERMALLY PROTECTED TYPE 입니다.
❖ 'L' Type 전용으로 기종명에 표시하지 않습니다.

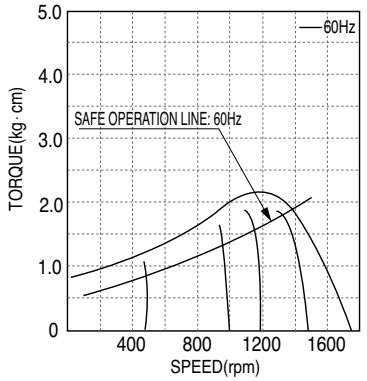
50Hz

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
S8KA□B	kg-cm	3.4	4.1	5.7	6.8	8.5	10.2	11.3	14.2	17.0	20.4	20.4	25.6	30.7	36.8	40.9	46.2	55.4	69.2	80	80	80	80	80	80
	N·m	0.333	0.402	0.559	0.666	0.833	1.000	1.107	1.392	1.666	1.999	1.999	2.509	3.009	3.606	4.008	4.530	5.433	6.786	7.840	7.840	7.840	7.840	7.840	7.840

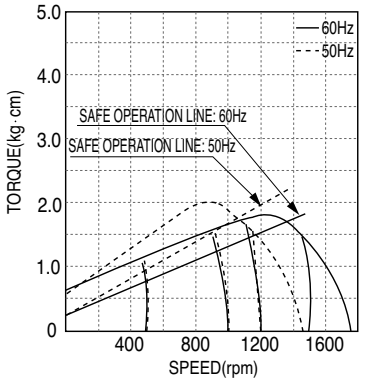
60Hz

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
S8KA□B	kg-cm	2.9	3.5	4.9	5.8	7.3	8.7	9.7	12.2	14.6	17.5	17.5	21.9	26.3	31.5	35.0	39.6	47.5	59.4	71.3	79.2	80	80	80	80
	N·m	0.284	0.343	0.481	0.568	0.715	0.853	0.951	1.196	1.432	1.715	1.715	2.146	2.577	3.087	3.430	3.881	4.658	5.825	6.992	7.767	7.840	7.840	7.840	7.840

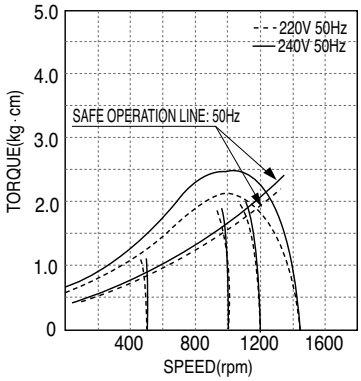
❖ GEAR HEAD 품명 중 □은 감속비를 표시합니다.
❖ GEAR HEAD와 조합한 경우의 허용 TORQUE입니다. 감속비 1/10의 중간 GEAR HEAD를 접속한 경우의 허용 TORQUE는 80㎏-㎝입니다.
❖ 회전방향은 ■색이 MOTOR의 회전방향과 동일방향이고, 기타는 MOTOR 회전방향과 반대방향입니다.
❖ 회전수는 MOTOR의 동기 회전수(50Hz : 1500rpm, 60Hz : 1800rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다. 실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다.
❖ 'L' Type 전용으로 기종명에 표시하지 않습니다.



▲ S8I15GA-V12 S8I15GB-V12
S8I15GA-V12(TP) S8I15GB-V12(TP)
S8I15GA-V12CE S8I15GB-V12CE



▲ S8I15GC-V12 S8I15GD-V12
S8I15GC-V12(TP) S8I15GD-V12(TP)
S8I15GC-V12CE S8I15GD-V12CE



▲ S8I15GX-V12
S8I15GX-V12CE

25W

INDUCTION SPEED CONTROL MOTOR
□80㎜ CONNECTOR TYPE

SIZE mm sq.	Motor Type	Controller Type	Poles	Output (W)	Voltage (V)	Freq. (Hz)	Duty	Speed Range (rpm)	Permissible Torque at 1200rpm (kg-cm)	Permissible Torque at 1200rpm (N-m)	Permissible Torque at 90rpm (kg-cm)	Permissible Torque at 90rpm (N-m)	Starting Torque (kg-cm)	Starting Torque (N-m)	Cap. (μF)
80	S8I25GA-V12 S8I25GA-V12(TP) S8I25GA-V12CE	SUA25IA-V12	4	25	1Ø 110	60	Cont.	90-1700	1.70	0.170	0.08	0.080	1.50	0.150	6.0
	S8I25GB-V12 S8I25GB-V12(TP) S8I25GB-V12CE	SUA25IB-V12	4	25	1Ø 220	60	Cont.	90-1700	1.70	0.170	0.08	0.080	1.50	0.150	1.5
	S8I25GC-V12 S8I25GC-V12(TP) S8I25GC-V12CE	SUA25IC-V12	4	25	1Ø 100	50	Cont.	90-1400	1.60	0.160	0.55	0.055	1.10	0.110	6.0
						60		90-1700	1.50	0.150					
	S8I25GD-V12 S8I25GD-V12(TP) S8I25GD-V12CE	SUA25ID-V12	4	25	1Ø 200	50	Cont.	90-1400	1.60	0.160	0.55	0.055	1.10	0.110	1.5
						60		90-1700	1.50	0.150					
	S8I25GX-V12 S8I25GX-V12CE	SUA25IX-V12	4	25	1Ø 220	50	Cont.	90-1400	1.50	0.150	0.50	0.050	1.00	0.100	1.5
					1Ø 240				1.80	0.180	0.50	0.050	1.20	0.120	

❖ 기종명 맨 끝자리에 CE가 명기된 MOTOR MODEL의 인증 관련 내용은 SPG 규격 인증품 현황을 참고하여 주십시오.
❖ 기종명 맨 끝자리에 (TP)가 명기된 MOTOR MODEL은 일반 MOTOR의 TP가 내장된 THERMALLY PROTECTED TYPE입니다.
또한 기종명 S8I25GX-V12, S8I25GX-V12CE는 TP가 내장된 THERMALLY PROTECTED TYPE입니다.
❖ 'L' Type 전용으로 기종명에 표시하지 않습니다.

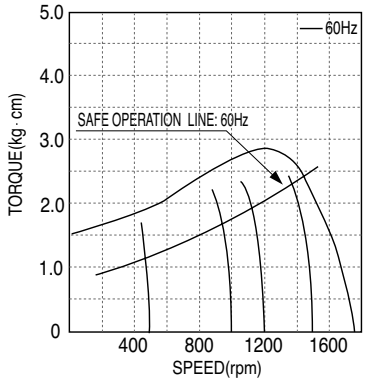
50Hz

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
S8KA□B	kg-cm	5.3	6.4	8.9	10.7	13.4	16.0	17.8	22.3	26.7	32.1	32.1	40.2	48.2	57.8	64.2	72.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
	N·m	0.519	0.627	0.872	1.049	1.313	1.568	1.744	2.185	2.617	3.146	3.146	3.940	4.724	5.664	6.292	7.115	7.840	7.840	7.840	7.840	7.840	7.840	7.840	7.840

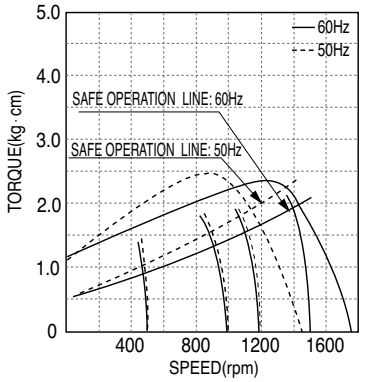
60Hz

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
S8KA□B	kg-cm	4.4	5.2	7.3	8.7	10.9	13.1	14.6	18.2	21.9	26.2	26.3	32.9	39.4	47.3	52.6	59.4	71.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0
	N·m	0.431	0.510	0.715	0.853	1.068	1.284	1.431	1.784	2.146	2.568	2.577	3.224	3.861	4.635	5.155	5.821	6.987	7.840	7.840	7.840	7.840	7.840	7.840	7.840

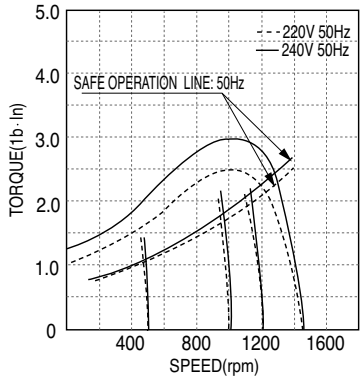
❖ GEAR HEAD 품명 중 □은 감속비를 표시합니다.
❖ GEAR HEAD와 조합한 경우의 허용 TORQUE입니다. 감속비 1/10의 중간 GEAR HEAD를 접속한 경우의 허용 TORQUE는 80kg-cm입니다.
❖ 회전방향은 ■색이 MOTOR의 회전방향과 동일방향이고, 기타는 MOTOR 회전방향과 반대방향입니다.
❖ 회전수는 MOTOR의 동기 회전수(50Hz : 1500rpm, 60Hz : 1800rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다. 실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다.
❖ 'L' Type 전용으로 기종명에 표시하지 않습니다.



▲ S8I25GA-V12 S8I25GB-V12
S8I25GA-V12(TP) S8I25GB-V12(TP)
S8I25GA-V12CE S8I25GB-V12CE



▲ S8I25GC-V12 S8I25GD-V12
S8I25GC-V12(TP) S8I25GD-V12(TP)
S8I25GC-V12CE S8I25GD-V12CE

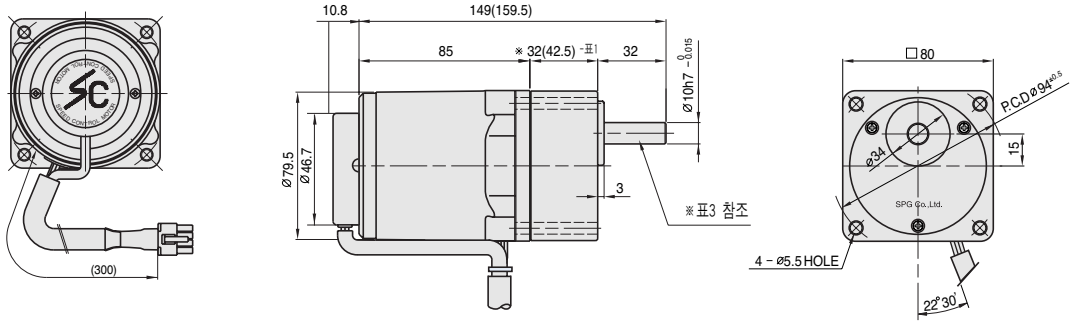


▲ S8I25GX-V12
S8I25GX-V12CE

DIMENSIONS

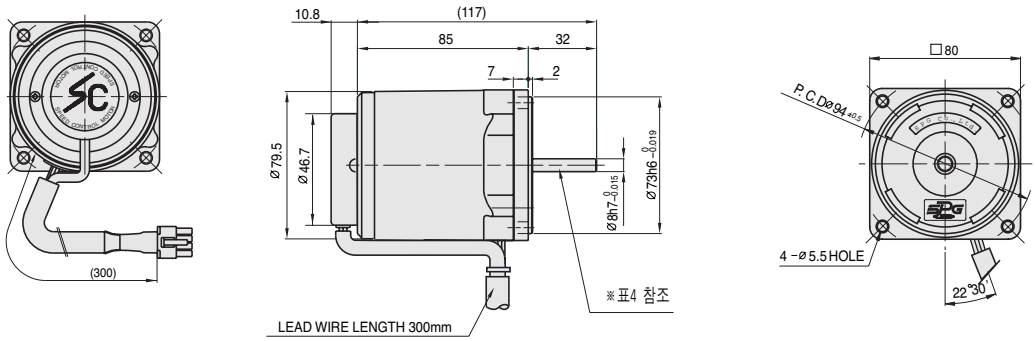
✚ GEARED MOTOR

※MOTOR MODEL : S8(15,25)G□-V12
※HEAD MODEL : S8□A3□~S8□A200□



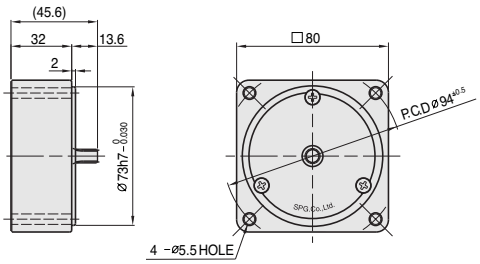
✚ MOTOR

※MOTOR MODEL : S8I(15,25)□□-V12

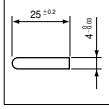
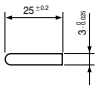


✚ INTER-DECIMAL GEAR HEAD

※MODEL : S8GX10B



✚ KEY SPEC

GEAR HEAD	MOTOR
	

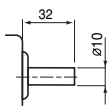
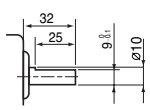
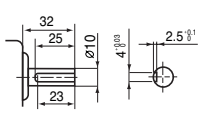
✚ ※32(42.5) - (표1)

GEAR RATIO	SIZE(㎜)
S8□A3□ ~ S8□A18□	32
S8□A20□ ~ S8□A200□	42.5

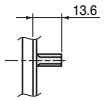
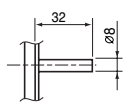
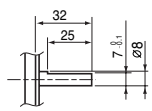
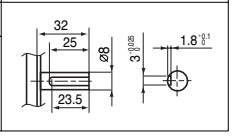
✚ WEIGHT - (표2)

PART		WEIGHT(kg)
15W MOTOR		1.6
25W MOTOR		1.6
DECIMAL GEAR HEAD		0.43
GEAR HEAD	S8□A3□ ~S8□A18□	0.43
	S8□A20□ ~S8□A40□	0.57
	S8□A50□ ~S8□A200□	0.61

✚ GEAR HEAD 출력축 사양 - (표3)

MODEL	출력축 구분
STRAIGHT TYPE S8SA3□ ~S8SA200□	
D-CUT TYPE S8DA3□ ~S8DA200□	
KEY TYPE S8KA3□ ~S8KA200□	

✚ MOTOR 출력축 사양 - (표4)

MODEL	출력축 구분
GEAR TYPE S8I15G□-V12 S8I25G□-V12	
STRAIGHT TYPE S8I15S□-V12 S8I25S□-V12	
D-CUT TYPE S8I15D□-V12 S8I25D□-V12	
KEY TYPE S8I15K□-V12 S8I25K□-V12	

40W

INDUCTION SPEED CONTROL MOTOR
□90㎜ CONNECTOR TYPE

SIZE mm sq.	Motor Type	Controller Type	Poles	Output (W)	Voltage (V)	Freq. (Hz)	Duty	Speed Range (rpm)	Permissible Torque at 1200rpm (kg-cm)	Permissible Torque at 1200rpm (N-m)	Permissible Torque at 90rpm (kg-cm)	Permissible Torque at 90rpm (N-m)	Starting Torque (kg-cm)	Starting Torque (N-m)	Cap. (μF)
90	S9I40GA()-V12 S9I40GA()-V12(TP) S9I40GA()-V12CE	SUA40IA-V12	4	40	1Ø 110	60	Cont.	90-1700	2.70	0.270	1.00	0.100	2.20	0.220	10.0
	S9I40GB()-V12 S9I40GB()-V12(TP) S9I40GB()-V12CE	SUA40IB-V12	4	40	1Ø 220	60	Cont.	90-1700	2.70	0.270	1.00	0.100	2.20	0.220	2.5
	S9I40GC()-V12 S9I40GC()-V12(TP) S9I40GC()-V12CE	SUA40IC-V12	4	40	1Ø 100	50	Cont.	90-1400	2.70	0.270	0.90	0.090	1.80	0.180	10.0
						60		90-1700	2.00	0.200					
	S9I40GD()-V12 S9I40GD()-V12(TP) S9I40GD()-V12CE	SUA40ID-V12	4	40	1Ø 200	50	Cont.	90-1400	2.70	0.270	0.90	0.090	1.80	0.180	2.5
						60		90-1700	2.00	0.200					
	S9I40GX()-V12 S9I40GX()-V12CE	SUA40IX-V12	4	40	1Ø 220	50	Cont.	90-1400	2.50	0.250	0.70	0.070	1.70	0.170	2.0
					1Ø 240				3.00	0.300	0.70	0.070	2.10	0.210	

❖ 기종명 맨 끝자리에 CE가 명기된 MOTOR MODEL의 인증 관련 내용은 SPG 규격 인증품 현황을 참고하여 주십시오.
❖ 기종명 맨 끝자리에 (TP)가 명기된 MOTOR MODEL은 일반 MOTOR의 TP가 내장된 THERMALLY PROTECTED TYPE입니다.
또한 기종명 S9I40GX( )-V12, S9I40GX( )-V12CE는 TP가 내장된 THERMALLY PROTECTED TYPE입니다.
❖ ( )는 L, H Type을 표시합니다. L은 GEAR HEAD의 L과, H는 GEAR HEAD의 H와 사용하여 주십시오.

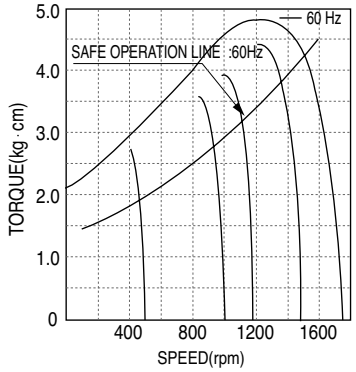
50Hz

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
MODEL	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

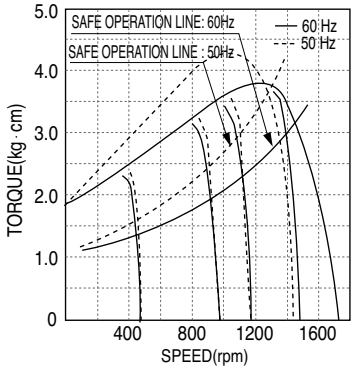
60Hz

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
MODEL	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

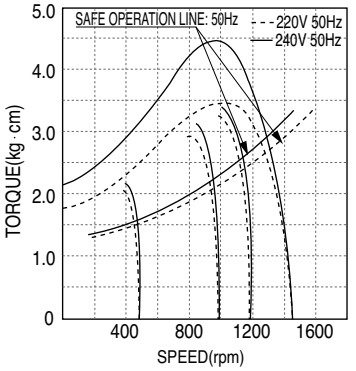
❖ GEAR HEAD 품명 중 □은 감속비를 표시합니다.
❖ GEAR HEAD와 조합한 경우의 허용 TORQUE입니다. 감속비 1/10의 중간 GEAR HEAD를 접속한 경우의 허용 TORQUE는 100㎏-㎝입니다.
❖ 회전방향은 ■색이 MOTOR의 회전방향과 동일방향이고, 기타는 MOTOR 회전방향과 반대방향입니다.
❖ 회전수는 MOTOR의 동기 회전수(50Hz : 1500rpm, 60Hz : 1800rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다. 실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다.
❖ ( )는 L, H Type을 표시합니다. L은 MOTOR의 L과, H는 MOTOR의 H와 사용하여 주십시오.



▲ S9I40GA()-V12 S9I40GB()-V12
S9I40GA()-V12(TP) S9I40GB()-V12(TP)
S9I40GA()-V12CE S9I40GB()-V12CE



▲ S9I40GC()-V12 S9I40GD()-V12
S9I40GC()-V12(TP) S9I40GD()-V12(TP)
S9I40GC()-V12CE S9I40GD()-V12CE

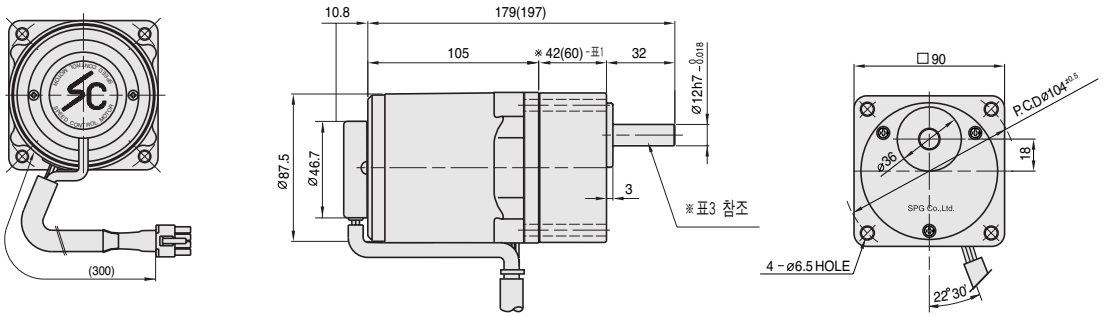


▲ S9I40GX()-V12
S9I40GX()-V12CE

DIMENSIONS

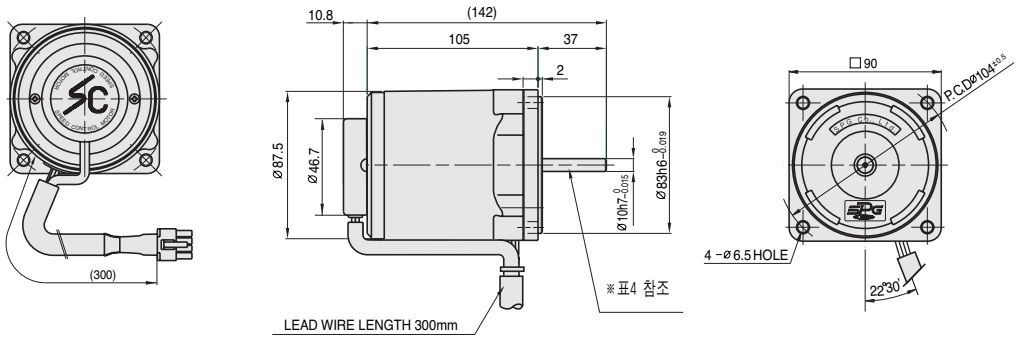
✚ GEARED MOTOR

※MOTOR MODEL : S8(15,25)G□-V12
※HEAD MODEL : S8□A3□~S8□A200□



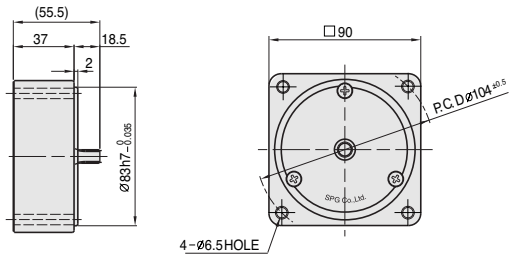
✚ MOTOR

※MOTOR MODEL : S8I(15,25)□□-V12

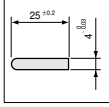
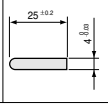


✚ INTER-DECIMAL GEAR HEAD

※MODEL : S8GX10B



✚ KEY SPEC

GEAR HEAD	MOTOR
	

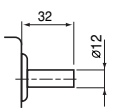
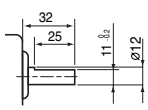
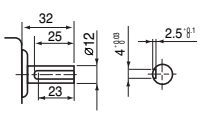
✚ ※42(60) - (표1)

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

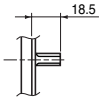
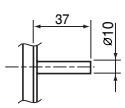
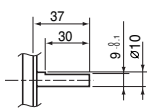
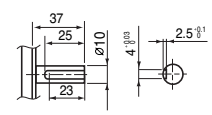
✚ WEIGHT - (표2)

PART		WEIGHT(kg)
MOTOR		2.42
DECIMAL GEAR HEAD		0.60
GEAR HEAD	S9□B3□□ ~S9□B18□□	0.73
	S9□B20□□ ~S9□B40□□	1.03
	S9□B50□□ ~S9□B200□□	1.13

✚ GEAR HEAD 출력축 사양 - (표3)

MODEL	출력축 구분
STRAIGHT TYPE S9SB3□ ~S9SB200□	
D-CUT TYPE S9DB3□ ~S9DB200□	
KEY TYPE S9KB3□□ ~S9KB200□□	

✚ MOTOR 출력축 사양 - (표4)

MODEL	출력축 구분
GEAR TYPE S9I40G□□-V12	
STRAIGHT TYPE S9I40S□-V12	
D-CUT TYPE S9I40D□-V12	
KEY TYPE S9I40K□-V12	

60W

INDUCTION SPEED CONTROL MOTOR
□90㎜ CONNECTOR TYPE

SIZE mm sq.	Motor Type	Controller Type	Poles	Output	Voltage	Freq.	Duty	Speed Range	Permissible Torque at 1200rpm		Permissible Torque at 90rpm		Starting Torque		Cap.
				(W)	(V)	(Hz)		(rpm)	(kg-cm)	(N-m)	(kg-cm)	(N-m)	(kg-cm)	(N-m)	(μF)
90	S9I60GA( )-V12 S9I60GA( )-V12(TP) S9I60GA( )-V12CE	SUA60IA-V12	4	60	1Ø 110	60	Cont.	90-1700	5.50	0.550	2.00	0.200	5.00	0.500	20.0
	S9I60GB( )-V12 S9I60GB( )-V12(TP) S9I60GB( )-V12CE	SUA60IB-V12	4	60	1Ø 220	60	Cont.	90-1700	5.50	0.550	2.00	0.200	5.00	0.500	5.0
	S9I60GC( )-V12 S9I60GC( )-V12(TP) S9I60GC( )-V12CE	SUA60IC-V12	4	60	1Ø 100	50	Cont.	90-1400	5.50	0.550	1.20	0.120	4.00	0.400	20.0
						60		90-1700	5.00	0.500					
	S9I60GD( )-V12 S9I60GD( )-V12(TP) S9I60GD( )-V12CE	SUA60ID-V12	4	60	1Ø 200	50	Cont.	90-1400	5.50	0.550	1.20	0.120	4.00	0.400	5.0
						60		90-1700	5.00	0.500					
	S9I60GX( )-V12 S9I60GX( )-V12CE	SUA60IX-V12	4	60	1Ø 220	50	Cont.	90-1400	5.20	0.520	0.90	0.090	3.10	0.310	3.5
					1Ø 240				5.80	0.580	0.90	0.090	3.60	0.360	

❖ 기종명 맨 끝자리에 CE가 명기된 MOTOR MODEL의 인증 관련 내용은 SPG 규격 인증품 현황을 참고하여 주십시오.
❖ 기종명 맨 끝자리에 (TP)와 명기된 MOTOR MODEL은 일반 MOTOR의 TP가 내장된 THERMALLY PROTECTED TYPE입니다.
또한 기종명 S9I60GX( )-V12, S9I60GX( )-V12CE는 TP가 내장된 THERMALLY PROTECTED TYPE입니다.
❖ ( )는 L, H Type을 표시합니다. L은 GEAR HEAD의 L과, H는 GEAR HEAD의 H와 사용하여 주십시오.

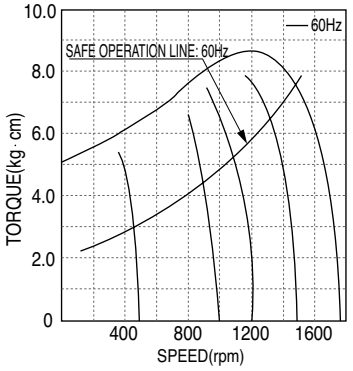
50Hz

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
S9KC□B( )	kg-cm	12.2	14.6	20.3	24.3	30.4	36.5	40.5	45.6	54.8	65.7	73.0	82.5	99.0	119	132	165	198	200	200	200	200	200	200	200
S9KC□B( )-S	N·m	1.196	1.431	1.989	2.381	2.989	3.577	3.969	4.469	5.370	6.439	7.154	8.085	9.702	11.66	12.94	16.17	19.40	19.60	19.60	19.60	19.60	19.60	19.60	19.60

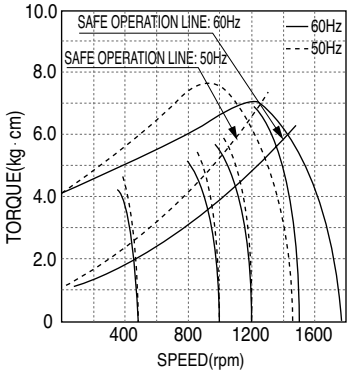
60Hz

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
S9KC□B( )	kg-cm	9.72	11.7	16.2	19.4	24.3	29.2	32.4	36.5	43.8	52.6	58.4	66.0	79.2	95.0	106	132	158	177	200	200	200	200	200	200
S9KC□B( )-S	N·m	0.953	1.147	1.588	1.901	2.381	2.862	3.175	3.577	4.292	5.155	5.723	6.468	7.762	9.310	10.39	12.94	15.48	17.35	19.60	19.60	19.60	19.60	19.60	19.60

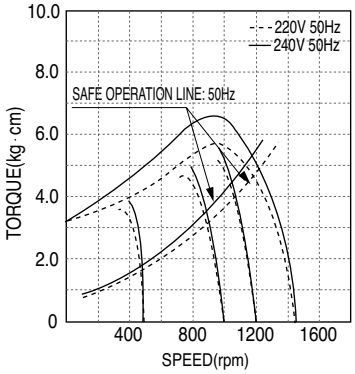
❖ GEAR HEAD 품명 중 □은 감속비를 표시합니다.
❖ GEAR HEAD와 조합한 경우의 허용 TORQUE입니다. 감속비 1/10의 중간 GEAR HEAD를 접속한 경우의 허용 TORQUE는 200㎏-㎝입니다.
❖ 회전방향은 ■색이 MOTOR의 회전방향과 동일방향이고, 기타는 MOTOR 회전방향과 반대방향입니다.
❖ 회전수는 MOTOR의 동기 회전수(50Hz : 1500rpm, 60Hz : 1800rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다. 실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다.
❖ ( )는 L, H Type을 표시합니다. L은 MOTOR의 L과, H는 MOTOR의 H와 사용하여 주십시오.



▲ S9I60GA()-V12 S9I60GB()-V12
S9I60GA()-V12(TP) S9I60GB()-V12(TP)
S9I60GA()-V12CE S9I60GB()-V12CE



▲ S9I60GC()-V12 S9I60GD()-V12
S9I60GC()-V12(TP) S9I60GD()-V12(TP)
S9I60GC()-V12CE S9I60GD()-V12CE

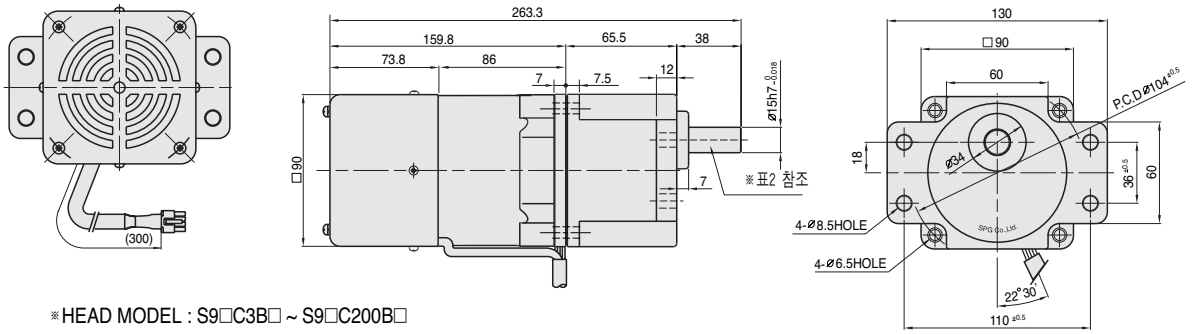


▲ S9I60GX()-V12
S9I60GX()-V12CE

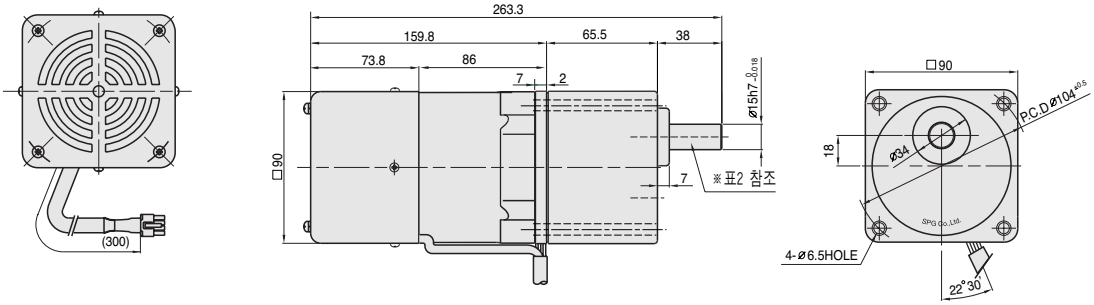
DIMENSIONS

✚ GEARED MOTOR

※MOTOR MODEL : S9I60G□□-V12
※HEAD MODEL : S9□C3B□ ~ S9□C200□-S

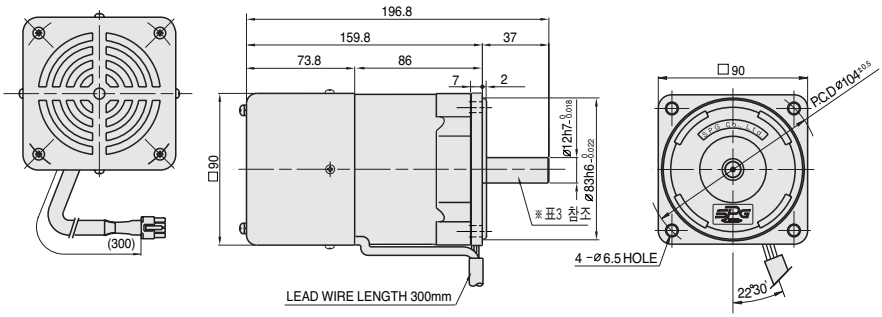


※HEAD MODEL : S9□C3B□ ~ S9□C200B□



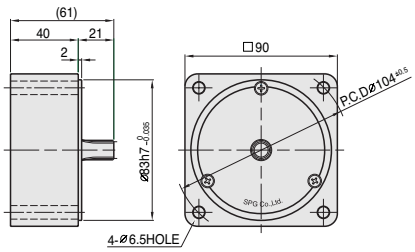
✚ MOTOR

※MOTOR MODEL : S9I60□□□-V12



✚ INTER-DECIMAL GEAR HEAD

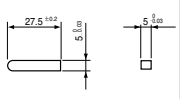
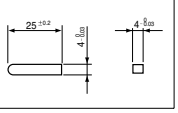
※MODEL : S9GX10B(H,L)-S



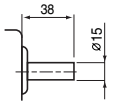
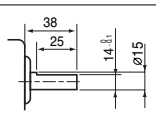
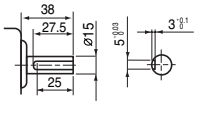
✚ WEIGHT – (표1)

PART		WEIGHT(kg)
MOTOR		2.93
DECIMAL GEAR HEAD		0.65
GEAR HEAD	S9□C3B□ ~S9□C10B□	1.21
	S9□C12.5B□ ~S9□C20B□	1.30
	S9□C25B□ ~S9□C60B□	1.40
	S9□C75B□ ~S9□C200B□	1.45

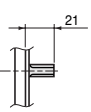
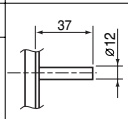
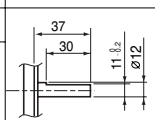
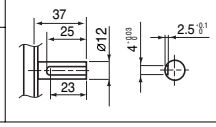
✚ KEY SPEC

GEAR HEAD	MOTOR
	

✚ GEAR HEAD 출력축 사양 – (표2)

MODEL	출력축 구분
STRAIGHT TYPE	
S9SC3B□ ~S9SC200B□	
D-CUT TYPE	
S9DC3B□ ~S9DC200B□	
KEY TYPE	
S9KC3B□ ~S9KC200B□	

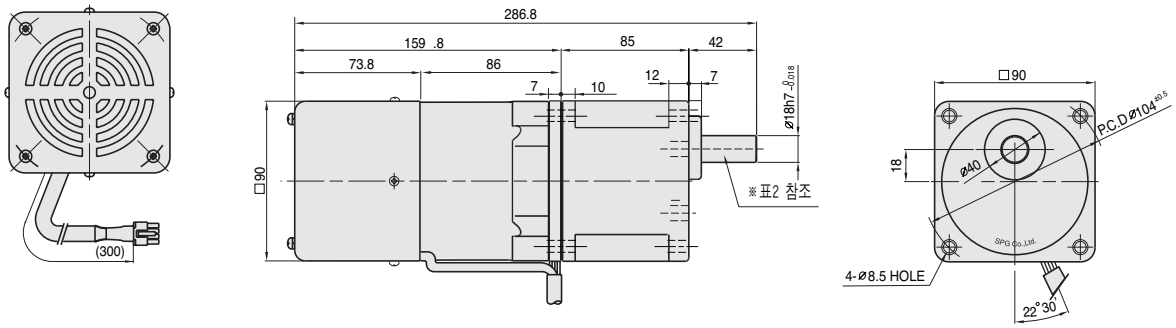
✚ MOTOR 출력축 사양 – (표3)

MODEL	출력축 구분
GEAR TYPE	
S9I60G□□-V12	
STRAIGHT TYPE	
S9I60S□-V12	
D-CUT TYPE	
S9I60D□-V12	
KEY TYPE	
S9I60K□-V12	

DIMENSIONS

✚ GEARED MOTOR

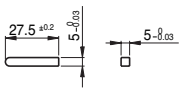
※MOTOR MODEL : S9I60G□H-V12
※HEAD MODEL : S9□D3B□~S9□D200B



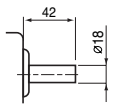
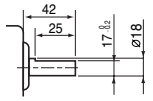
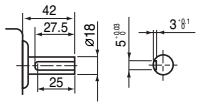
✚ WEIGHT - (표1)

PART		WEIGHT(kg)
MOTOR		2.93
GEAR HEAD	S9□D3B ~S9□D10B	1.65
	S9□D12.5B ~S9□D20B	1.80
	S9□D25B ~S9□D60B	1.90
	S9□D75B ~S9□D200B	1.95

✚ KEY SPEC

GEAR HEAD


✚ GEAR HEAD 출력축 사양 - (표2)

MODEL	출력축 구분
STRAIGHT TYPE	
S9SD3B ~S9SD200B	
D-CUT TYPE	
S9DD3B ~S9DD200B	
KEY TYPE	
S9KD3B ~S9KD200B	

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
S9K□B	kg-cm	12.2	14.6	20.3	24.3	30.4	36.5	40.5	45.6	54.8	65.7	73.0	82.5	99.0	119	132	165	198	221	266	295	300	300	300	300
	N·m	1.196	1.431	1.989	2.381	2.989	3.577	3.969	4.469	5.370	6.439	7.154	8.085	9.702	11.66	12.94	16.17	19.40	21.67	26.09	28.93	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
S9KD□B	kg-cm	9.72	11.7	16.2	19.4	24.3	29.2	32.4	36.5	43.8	52.6	58.4	66.0	79.2	95.0	106	132	158	177	212	236	283	300	300	300
	N·m	0.953	1.147	1.588	1.901	2.381	2.862	3.175	3.577	4.292	5.155	5.723	6.468	7.762	9.310	10.39	12.94	15.48	17.35	20.79	23.14	27.75	29.42	29.42	29.42

❖ GEAR HEAD 품명 중 □은 감속비를 표시합니다.
❖ GEAR HEAD와 조합한 경우의 허용 TORQUE입니다.
감속비 1/10의 중간 GEAR HEAD를 접속한 경우의 허용 TORQUE는 300kg-cm입니다.
❖ 회전방향은 ■색이 MOTOR의 회전방향과 동일방향이고, 기타는 MOTOR 회전방향과 반대방향입니다.
❖ 회전수는 MOTOR의 동기 회전수(50Hz : 1500rpm, 60Hz : 1800rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다.
실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다.
❖ 'H' Type 전용으로 기종명에 표시하지 않습니다. MOTOR의 H와 사용하여 주십시오.

90W

INDUCTION SPEED CONTROL MOTOR
□90㎜ CONNECTOR TYPE

SIZE mm sq.	Motor Type	Controller Type	Poles	Output	Voltage	Freq.	Duty	Speed Range	Permissible Torque at 1200rpm		Permissible Torque at 90rpm		Starting Torque		Cap.
				(W)	(V)	(Hz)		(rpm)	(kg-cm)	(N-m)	(kg-cm)	(N-m)	(kg-cm)	(N-m)	(μF)
90	S9I90GA( )-V12 S9I90GA( )-V12(TP) S9I90GA( )-V12CE	SUA90IA-V12	4	90	1Ø 110	60	Cont.	90-1700	6.30	0.630	3.00	0.300	6.50	0.650	24.0
	S9I90GB( )-V12 S9I90GB( )-V12(TP) S9I90GB( )-V12CE	SUA90IB-V12	4	90	1Ø 220	60	Cont.	90-1700	6.30	0.630	3.00	0.300	6.50	0.650	7.0
	S9I90GC( )-V12 S9I90GC( )-V12(TP) S9I90GC( )-V12CE	SUA90IC-V12	4	90	1Ø 100	50	Cont.	90-1400	5.80	0.580	2.50	0.250	5.50	0.550	24.0
						60		90-1700	5.30	0.530					
	S9I90GD( )-V12 S9I90GD( )-V12(TP) S9I90GD( )-V12CE	SUA90ID-V12	4	90	1Ø 200	50	Cont.	90-1400	5.80	0.580	2.50	0.250	5.50	0.550	7.0
						60		90-1700	5.30	0.530					
	S9I90GX( )-V12 S9I90GX( )-V12CE	SUA90IX-V12	4	90	1Ø 220	50	Cont.	90-1400	5.40	0.540	2.20	0.220	4.60	0.460	5.0
					1Ø 240				6.10	0.610	2.20	0.220	5.50	0.550	

❖ 기종명 맨 끝자리에 CE가 명기된 MOTOR MODEL의 인증 관련 내용은 SPG 규격 인증품 현황을 참고하여 주십시오.
❖ 기종명 맨 끝자리에 (TP)가 명기된 MOTOR MODEL은 일반 MOTOR의 TP가 내장된 THERMALLY PROTECTED TYPE입니다.
또한 기종명 S9I90GX( )-V12, S9I90GX( )-V12CE는 TP가 내장된 THERMALLY PROTECTED TYPE입니다.
❖ ( )는 L, H Type을 표시합니다. L은 GEAR HEAD의 L과, H는 GEAR HEAD의 H와 사용하여 주십시오.

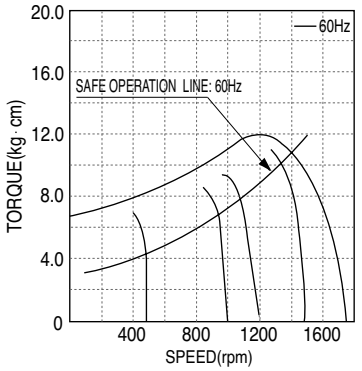
50Hz

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
S9KC□B( )	kg-cm	18.2	21.9	30.4	36.5	45.6	54.7	60.8	68.4	82.1	98.6	110	124	149	178	198	200	200	200	200	200	200	200	200	200
S9KC□B( )-S	N·m	1.784	2.146	2.979	3.577	4.469	5.361	5.958	6.703	8.046	9.663	10.78	12.15	14.60	17.44	19.40	19.60	19.60	19.60	19.60	19.60	19.60	19.60	19.60	19.60

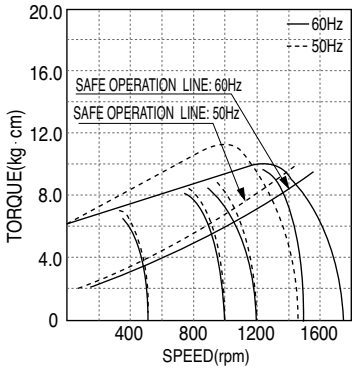
60Hz

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
S9KC□B( )	kg-cm	14.6	17.5	24.3	29.2	36.5	43.7	48.6	54.8	65.7	78.8	87.6	99.0	119	143	158	198	200	200	200	200	200	200	200	200
S9KC□B( )-S	N·m	1.431	1.715	2.381	2.862	3.577	4.675	4.763	5.370	6.439	7.722	8.585	9.702	11.66	14.01	15.48	19.40	19.60	19.60	19.60	19.60	19.60	19.60	19.60	19.60

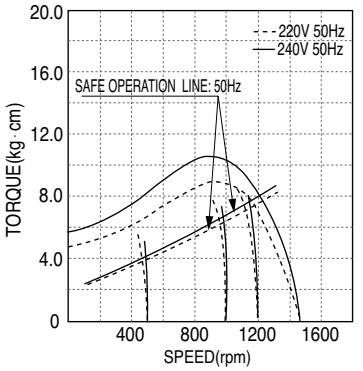
❖ GEAR HEAD 품명 중 □은 감속비를 표시합니다.
❖ GEAR HEAD와 조합한 경우의 허용 TORQUE입니다. 감속비 1/10의 중간 GEAR HEAD를 접속한 경우의 허용 TORQUE는 200kg-㎝입니다.
❖ 회전방향은 ■색이 MOTOR의 회전방향과 동일방향이고, 기타는 MOTOR 회전방향과 반대방향입니다.
❖ 회전수는 MOTOR의 동기 회전수(50Hz : 1500rpm, 60Hz : 1800rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다. 실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다.
❖ ( )는 L, H Type을 표시합니다. L은 MOTOR의 L과, H는 MOTOR의 H와 사용하여 주십시오.



▲ S9I90GA()-V12 S9I90GB()-V12
S9I90GA()-V12(TP) S9I90GB()-V12(TP)
S9I90GA()-V12CE S9I90GB()-V12CE



▲ S9I90GC()-V12 S9I90GD()-V12
S9I90GC()-V12(TP) S9I90GD()-V12(TP)
S9I90GC()-V12CE S9I90GD()-V12CE

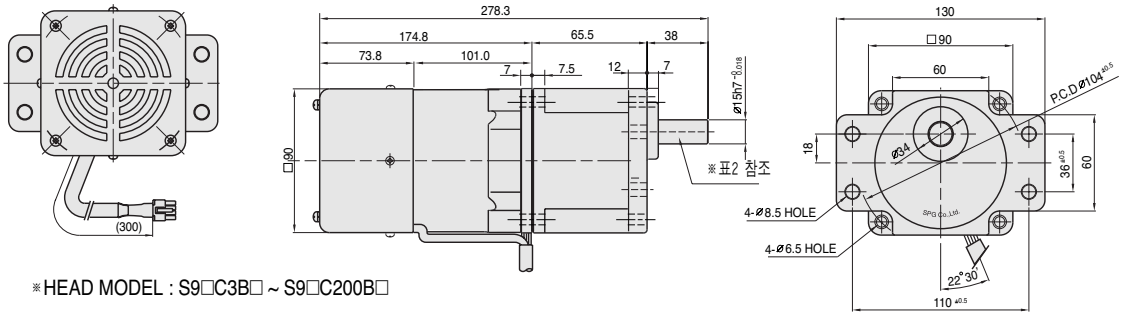


▲ S9I90GX()-V12
S9I90GX()-V12CE

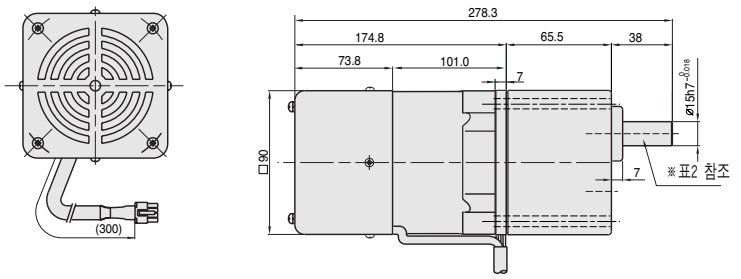
DIMENSIONS

✚ GEARED MOTOR

※MOTOR MODEL : S9I90G□H-V12
※HEAD MODEL : S9□C3B□-S ~ S9□C200B□-S

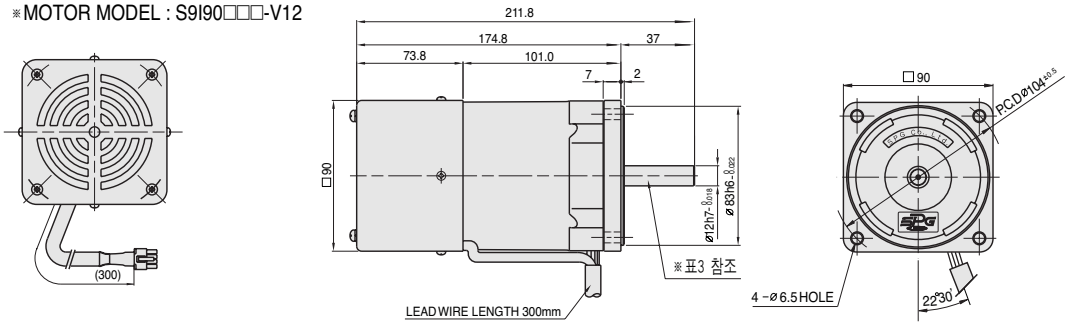


※HEAD MODEL : S9□C3B□ ~ S9□C200B□



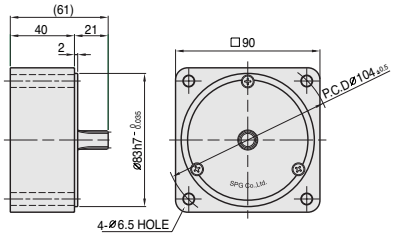
✚ MOTOR

※MOTOR MODEL : S9I90□□□-V12



✚ INTER-DECIMAL GEAR HEAD

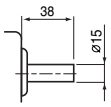
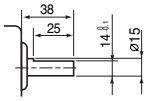
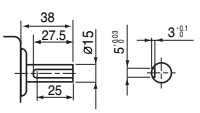
※MODEL : S9GX10B(H,L)-S



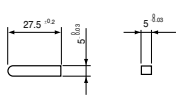
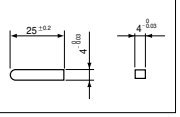
✚ WEIGHT - (표1)

PART		WEIGHT(kg)
MOTOR		3.53
DECIMAL GEAR HEAD		0.65
GEAR HEAD	S9□C3B□ ~S9□C10B□	1.21
	S9□C12.5B□ ~S9□C20B□	1.30
	S9□C25B□ ~S9□C60B□	1.40
	S9□C75B□ ~S9□C200B□	1.45

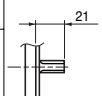
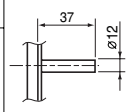
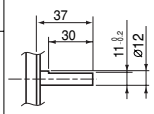
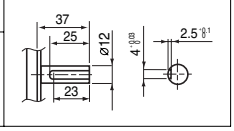
✚ GEAR HEAD 출력축 사양 - (표2)

MODEL	출력축 구분
STRAIGHT TYPE S9SC3B□ ~S9SC200B□	
D-CUT TYPE S9DC3B□ ~S9DC200B□	
KEY TYPE S9KC3B□ ~S9KC200B□	

✚ KEY SPEC

GEAR HEAD	MOTOR
	

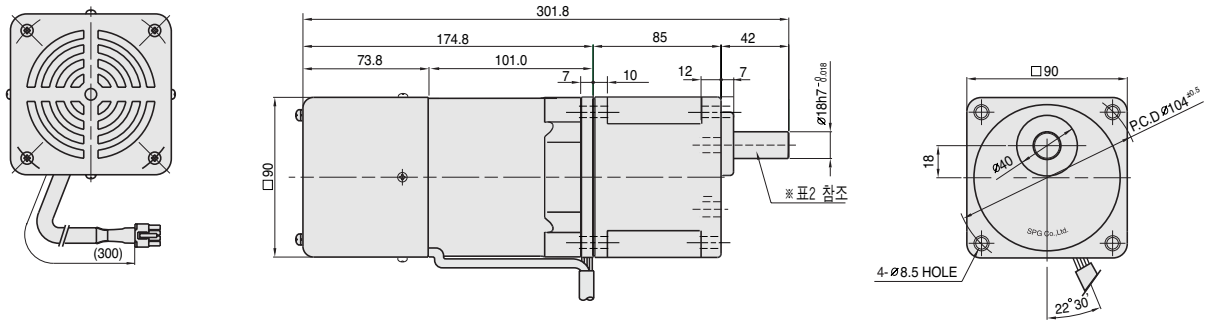
✚ MOTOR 출력축 사양 - (표3)

MODEL	출력축 구분
GEAR TYPE S9I90G□□-V12	
STRAIGHT TYPE S9I90S□-V12	
D-CUT TYPE S9I90D□-V12	
KEY TYPE S9I90K□-V12	

DIMENSIONS

✚ GEARED MOTOR

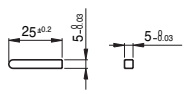
※MOTOR MODEL : S9I90G□H-V12
※HEAD MODEL : S9□D3B~S9□D200B



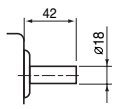
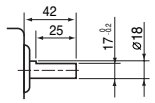
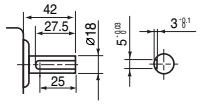
✚ WEIGHT – (표1)

PART		WEIGHT(kg)
MOTOR		3.53
GEAR HEAD	S9□D3B ~S9□D10B	1.65
	S9□D12.5B ~S9□D20B	1.80
	S9□D25B ~S9□D60B	1.90
	S9□D75B ~S9□D200B	1.95

✚ KEY SPEC

GEAR HEAD


✚ GEAR HEAD 출력축 사양 – (표2)

MODEL	출력축 구분
STRAIGHT TYPE	
S9SD3B ~S9SD200B	
D-CUT TYPE	
S9DD3B ~S9DD200B	
KEY TYPE	
S9KD3B ~S9KD200B	

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
S9KD□B	kg-cm	18.2	21.9	30.4	36.5	45.6	54.7	60.8	68.4	82.1	98.6	110	124	149	178	198	248	297	300	300	300	300	300	300	300
	N·m	1.784	2.146	2.979	3.577	4.469	5.361	5.958	6.703	8.046	9.663	10.78	12.15	14.60	17.44	19.40	24.32	29.13	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
S9KD□B	kg-cm	14.6	17.5	24.3	29.2	36.5	43.7	48.6	54.8	65.7	78.8	87.6	99.0	119	143	158	198	238	266	300	300	300	300	300	300
	N·m	1.431	1.715	2.381	2.862	3.577	4.675	4.763	5.370	6.439	7.722	8.585	9.702	11.66	14.01	15.48	19.40	23.34	26.09	29.42	29.42	29.42	29.42	29.42	29.42

❖ GEAR HEAD 품명 중 □은 감속비를 표시합니다.
❖ GEAR HEAD와 조합한 경우의 허용 TORQUE입니다.
감속비 1/10의 중간 GEAR HEAD를 접속한 경우의 허용 TORQUE는 300㎏-㎝입니다.
❖ 회전방향은 ■색이 MOTOR의 회전방향과 동일방향이고, 기타는 MOTOR 회전방향과 반대방향입니다.
❖ 회전수는 MOTOR의 동기 회전수(50Hz : 1500rpm, 60Hz : 1800rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다.
실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다.
❖ 'H' Type 전용으로 기종명에 표시하지 않습니다. MOTOR의 H와 사용하여 주십시오.

180W

INDUCTION SPEED CONTROL MOTOR
□90㎜ CONNECTOR TYPE

SIZE mm sq.	Motor Type	Controller Type	Poles	Output	Voltage	Freq.	Duty	Speed Range	Permissible Torque				Starting Torque		Cap.
									at 1200rpm		at 90rpm				
				(W)	(V)	(Hz)		(rpm)	(kg-cm)	(N-m)	(kg-cm)	(N-m)	(kg-cm)	(N-m)	(μF)
90	S9I180GB( )-V12 S9I180GB( )-V12(TP) S9I180GB( )-V12CE	SUA180IB-V12	4	180	1 Ø 220	60	Cont.	90-1700	7.72	0.772	4.25	0.425	6.45	0.645	7.0

❖ 기종명 맨 끝자리에 CE가 명기된 MOTOR MODEL의 인증 관련 내용은 SPG 규격 인증품 현황을 참고하여 주십시오.
❖ 기종명 맨 끝자리에 (TP)가 명기된 MOTOR MODEL은 일반 MOTOR의 TP가 내장된 THERMALLY PROTECTED TYPE입니다.
❖ 'H' Type 전용으로 기종명에 표시하지 않습니다.

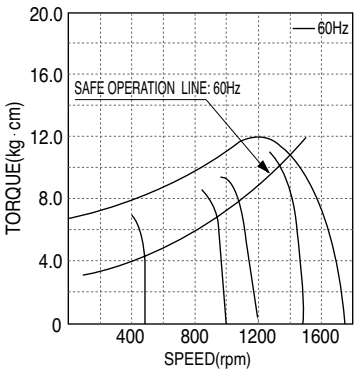
50Hz

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
	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 품명 중 □은 감속비를 표시합니다.
❖ GEAR HEAD와 조합한 경우의 허용 TORQUE입니다.
❖ 회전방향은 ■색이 MOTOR의 회전방향과 동일방향이고, 기타는 MOTOR 회전방향과 반대방향입니다.
❖ 회전수는 MOTOR의 동기 회전수(50Hz : 1500rpm, 60Hz : 1800rpm)를 기준으로 하여 감속비로 나누어서 계산하였습니다.
실제의 회전수는 부하의 크기에 따라서 표시된 수치보다 2~20% 적습니다.
❖ 'H' Type 전용으로 기종명에 표시하지 않습니다.

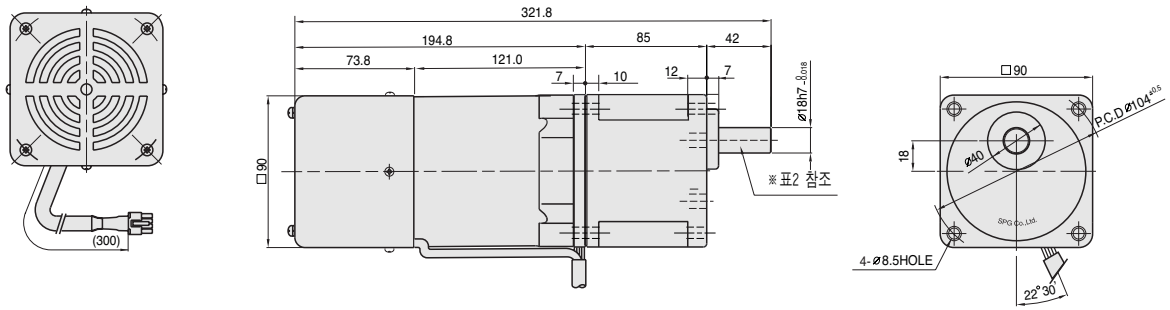


▲ S9I180GB()-V12
S9I180GB()-V12(TP)
S9I180GB()-V12CE

DIMENSIONS

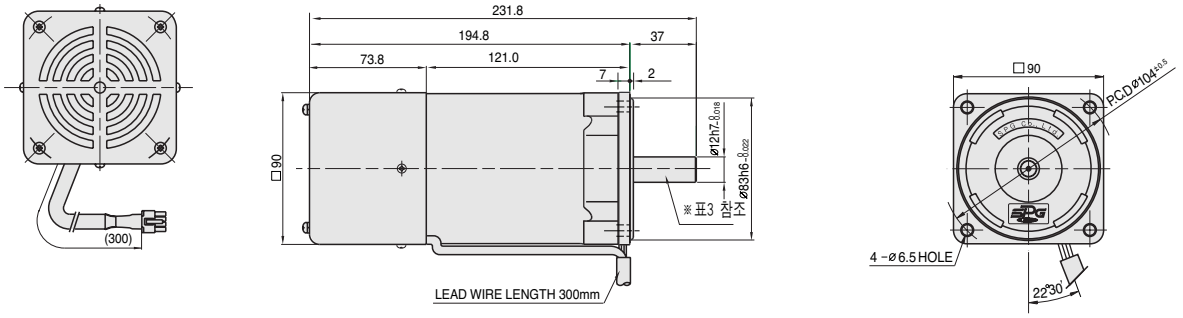
✚ GEARED MOTOR

※MOTOR MODEL : S9I180G□-V12
※HEAD MODEL : S9□H3B~S9□H200B



✚ MOTOR

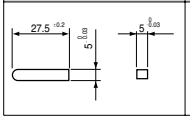
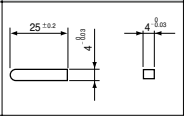
※MOTOR MODEL : S9I180□-V12



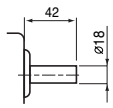
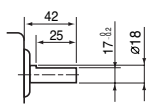
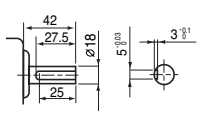
✚ WEIGHT - (표1)

PART		WEIGHT(kg)
MOTOR		4.30
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

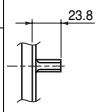
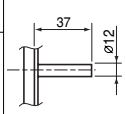
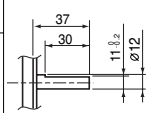
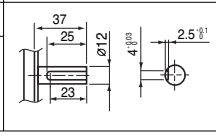
✚ KEY SPEC

GEAR HEAD	MOTOR
	

✚ GEAR HEAD 출력축 사양 - (표2)

MODEL	출력축 구분
STRAIGHT TYPE	
S9SH3B ~S9SH200B	
D-CUT TYPE	
S9DH3B ~S9DH200B	
KEY TYPE	
S9KH3B ~S9KH200B	

✚ MOTOR 출력축 사양 - (표3)

MODEL	출력축 구분
GEAR TYPE	
S9I180G□-V12	
STRAIGHT TYPE	
S9I180S□-V12	
D-CUT TYPE	
S9I180D□-V12	
KEY TYPE	
S9I180K□-V12	