

NOTE

1. OUTPUT SHAFT POSITION : HORIZONTAL
2. ROTATION : VIEWED FROM OUTPUT SHAFT END C.W
3. END PLAY : 1) ROTOR : 0.8mm MAX.
2) SPINDLE : 0.8mm MAX.
4. LUBRICATE : 1) GEAR BOX
- GREASE
2) MOTOR
- MINERAL OIL
5. NAME PLATE POSITION : SURFACE 'B'
6. MARKING POSITION : SURFACE 'B'
7. SCREW FASTENING TORQUE : 8kgf·cm
8. AUDIBLE NOISE : 70 DB MAX.
- 1) 50cm DISTANCE FROM MOUNTING SURFACE
- 2) SOUND LEVEL METER 'A' SCALE
- 3) BACKGROUND NOISE : 25DB MAX
- 4) AT RATED VOLTAGE, RATED FREQUENCY (NO LOAD)

VIEW 'A'

NO.	PART NAME	MATERIAL	Q'TY	DESCRIPTION	REMARK
6	NAME PLATE	TETRON SILVER	1	30 * 18	RED
5	SCREW(WITH SPRING WASHER)	SWRM10	2	M/S PH ⊕ M4*52	M/ZnI
4	GEAR BOX ASS'Y		1	1:764	
3	STATOR ASS'Y		1	40T	
2	ROTOR ASS'Y		1	40T	
1	BRACKET ASS'Y		1	OPEN TYPE	

DATE	DESIGN	CHECK	APPR.	NAME	DATE	SCALE	TOLERANCE
06.01.02	DS KIM				2006.01.02	1/1	±1.0

GEARED MOTOR ASS'Y
ISG-3240RTC

SPG Co., Ltd.

작성일 DATE: 2006.01.02
도면 DWG NO.: A-46-0610-00

MOTOR SPECIFICATION

PAGE

1 of 2

MODEL : ISG-3240RTC
 RATIO : 1 : 764

ELECTRICAL

- 1. TYPE : SHADED POLE INDUCTION GEARED MOTOR
- 2. RATED VOLTAGE : AC 230 V 50 Hz
- 3. POLES : 2 P

4. NO LOAD CHARACTERISTICS

At Geared Motor Ass'y

- 4-1. CURRENT : 0.26 A ±15%
- 4-2. INPUT POWER : 30.0 W ±15%
- 4-3. SPEED : 3.8 r/min ±10%
- 4-4. STARTING VOLTAGE : 161 V MAX.

(Locked Rotor Current : 0.5 A MAX.)

5. TORQUE CHARACTERISTICS

At Geared Motor Ass'y





- 5-1. BREAKDOWN TORQUE : 22.0 N·m MIN.
- 5-2. STARTING TORQUE : 12.8 N·m MIN.

6. DIELECTRIC STRENGTH

Motor shall withstand a potential of 1500V RMS for 1 minute(1800V RMS for 1 second) duration between coil leads and frame. (Cutoff Current 3 mA)

7. INSULATION RESISTANCE

100 MΩ minimum at DC 500V MEGA TESTER between winding and frame.

DATE		SIGNATURE		CHANGE CONTENTS	
DESIGNED	CHECKED	APPROVED	MODEL NAME	ISG-3240RTC ----- SHADED POLE GEARED MOTOR	
					
(주) 에스피지			RE-DATE	DRAWING NO	
 SPG Co., Ltd.			DATE	A-46-0610-00	
				2006.01.03	

MOTOR SPECIFICATION

PAGE

2 of 2

8. TEMPERATURE RISE (Resistance Method)

8-1. WINDING : $\Delta T = 75$ deg MAX.
[At rated voltage, frequency, No Load,
Normal Amb. 25°C]

8-2. PROTECTED TYPE : Thermally Protected [$120 \pm 5^\circ\text{C}$]

9. CONNECTION : See drawing No. A-46-0610-00

10. LEADS : Male Tab Terminal .250

11. INSULATION CLASS : E class

12. DUTY : Continuous
[At rated voltage, frequency, No Load,
Normal Amb. 25°C]

MECHANICAL

1. SHAFT RUN OUT : Measured - mm from shaft end - mm MAX.

2. OUTPUT SHAFT ENDPLAY : 0.8mm MAX.

3. BEARING : Oil Impregnated Sintered Bearing

4. LUBRICATION : Mineral Oil & Grease

5. VIBRATION : As per our sample

6. AUDIBLE NOISE : 70 dB MAX.(NO LOAD)
1) 50cm distance from output mounting surface
2) Sound level meter "A" scale
3) Background noise : 25dB MAX.
4) At rated voltage, rated frequency

7. COOLING FAN : -

8. LIFE : -

9. WEIGHT : About 2.1kg

10. APPEARANCE : To be free from any defects that will adversely
affect appearance.

11. MARKING : See drawing No. A-46-0610-00

12. DIMENSION : See drawing No. A-46-0610-00

13. SHAFT POSITION : Horizontal

14. Maximum Permissible Torque of Gear Box : 16.7 N · m

(주) 에스피지



SPG Co., Ltd.

RE-
DATE

DATE

2006.01.03

DRAWING NO.

A-46-0610-00