

# APPROVAL SHEET

Customer : ROTEK

Model : ISG-3225ETB

Date : 2012.06.15

SIGNATURE FOR APPROVAL
DATE OF APPROVAL



**SPG Co.,Ltd.**

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**67B/L 12 Lot 628-11, Gojan-Dong, Namdong-Gu, Incheon, Korea**

**TEL. : 82-32-820-8320~1**

**FAX. : 82-32-812-6218**

SPG Co.,Ltd.			
Drawn	Checked		Approved

# MOTOR SPECIFICATION

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**M O D E L** : **ISG-3225ETB**  
**R A T I O** : 1 : 1827

## ELECTRICAL

1. TYPE : SHADED POLE INDUCTION GEARED MOTOR
2. RATED VOLTAGE : AC 230V 50Hz
3. POLES : 2P
4. NO LOAD CHARACTERISTICS  
 At Geared Motor Ass'y
  - 4-1. CURRENT : 0.11 A ±15%
  - 4-2. INPUT POWER : 13.5 W ±15%
  - 4-3. SPEED : 1.5 r/min ±10%
  - 4-4. STARTING VOLTAGE : 161 V Max.
5. TORQUE CHARACTERISTICS  
 At Geared Motor Ass'y
  - 5-1. BREAKDOWN TORQUE : 16.1 N·m Min.
  - 5-2. NOMINAL TORQUE : 13.9 N·m Min.
  - 5-3. STARTING TORQUE : 9.8 N·m Min.
6. LOCKED ROTOR CURRENT : 0.18 A Max.
7. 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 3mA)
8. INSULATION RESISTANCE  
 100 MΩ minimum at DC 500V MEGA TESTER between winding and frame.



2012.06.15	J.K KIM	CHANGED : GEAR BOX SHAPE		
2010.07.07	S.J JEON	CHANGED : GREASE		
DATE	SIGNATURE	CHANGE CONTENTS		
DESIGNED	CHECKED	APPROVED	MODEL NAME	<b>ISG-3225ETB</b> ----- <b>SHADED POLE GEARED MOTOR</b>
J.K KIM 2012.06.15	C.Y LEE 2012.06.15	B.Y JEONG 2012.06.15		
<b>(주) 에스피지</b>			RE- DATE	2012.06.15
			DRAWING NO	
<b>SPG Co., Ltd.</b>			DATE	2006.08.31
			A-146-0668-12	

# MOTOR SPECIFICATION

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## 9. TEMPERATURE RISE

9-1. WINDING : Temperature rise of the winding and the case are 75K(°C) or less respectively measured by the resistance method after rated operation under normal ambient temperature and humidity.

9-2. PROTECTED TYPE : Thermally Protected [120 ±5°C]

10. CONNECTION : See drawing No. A-146-0668-12

## 11. LEADS

11-1. Wire : UL1015 AWG #18 (Blue, Brown, G/Yellow) + PVC TUBE

11-2. Connector Housing : 350766-1[AMP]

11-3. Terminal : 926893-1[AMP]

11-4. Ring Terminal : ST710095-3[KET]

12. TEMPERATURE RANGE : -10°C ~ +40°C (Nonfreezing)

13. HUMIDITY RANGE : RH 85% Max. (Non-condensing)

14. INSULATION CLASS : E class

15. DUTY : Continuous

## MECHANICAL

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

2. OUTPUT SHAFT ENDPLAY : 0.8mm Max.

3. BEARING : Oil Impregnated Sintered Bearings

4. LUBRICATION : High Temperature Grease & Oil

5. VIBRATION : As per our sample

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

7. WEIGHT : About 1.6kg

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


9. MARKING : See drawing No. A-146-0668-12

10. DIMENSION : See drawing No. A-146-0668-12

11. SHAFT POSITION : Horizontal

12. MAXIMUM PERMISSIBLE TORQUE OF GEAR BOX : 33.8N · m



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