



Date issued: October 18, 2011

CERTIFICATE No.: F690501/SP-SAF001094

CERTIFICATE OF LVD COMPLIANCE

Product submitted : SHADED POLE INDUCTION MOTOR
 Model: 6150KAC-F
 Rating: 22 W, 0,65 A, 230 V~, 50 Hz, 2 600 r/min, insulation B

Applicant(Manufacturer)..... : GGM CO.,LTD.
 327-3, Songnae-Dong, Sosa-Gu, Buchun-Si, Gyunggi-Do, 422-040, Korea
 272-11, Dodang-Dong, Wonmi-Gu, Buchun-Si, Gyunggi-Do, 420-808, Korea

Testing Laboratory : SGS Korea Co., Ltd.
 Test Report Number(s) : F690501/RF-SAF004609
 Order Number(s)..... : G-44-2011-01308
 Specification Requested ... : EN 60034-1: 2004

Conclusion


Based on a review of the test report, this apparatus meets the requirements of the above standards and hence fulfills the requirements of Directive 2006/95/EC

This certificate is only valid for the equipment submitted and configuration described, in conjunction with the test data detailed above. It does not permit the use of the SGS PRODUCT CERTIFICATION MARK.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives.




WonWoo Lee
Manager



Eric Lee
General Manager

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SGS Korea Co., Ltd.
(Gunpo Laboratory)

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Member of SGS Group (Société Générale de Surveillance)

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Date issued: November 5, 2010

CERTIFICATE No.: F690501/SP-SAF000943

CERTIFICATE OF LVD COMPLIANCE

Product submitted : SHADED POLE INDUCTION MOTOR
 Model: 6115KAC, 6120KAC, 6125KAC-F, 6130KAC-F, 6140KAC-F, 6150KAC
 Rating: 1 W, 0,13 A, 230 V~, 50 Hz, 2 400 r/min, insulation B for 6115KAC;
 3,6 W, 0,24 A, 230 V~, 50 Hz, 2 400 r/min, insulation B for 6120KAC;
 5,4 W, 0,25 A, 230 V~, 50 Hz, 2 400 r/min, insulation A for 6125KAC-F;
 7,3 W, 0,38 A, 230 V~, 50 Hz, 2 600 r/min, insulation B for 6130KAC-F;
 9,2 W, 0,29 A, 230 V~, 50 Hz, 2 600 r/min, insulation B for 6140KAC-F;
 5,3 W, 0,16 A, 230 V~, 50 Hz, 2 600 r/min, insulation A for 6150KAC

Applicant : GGM CO.,LTD.
 327-3, Songnae-Dong, Sosa-Gu, Buchun-Si, Gyunggi-Do, Korea 422-040;

Manufacturer : GGM CO.,LTD.
 Address-1 : 327-3, Songnae-Dong, Sosa-Gu, Buchun-Si, Gyunggi-Do, Korea 422-040;
 Address-2 : 272-11, Dodang-Dong, Wonmi-Gu, Buchun-Si, Gyunggi-Do, Korea 420-808

Testing Laboratory : SGS Testing Korea Co., Ltd.

Test Report Number(s) : F690501/RF-SAF003855

Order Number(s)..... : G-44-2010-01334

Specification Requested ... : EN 60034-1: 2004

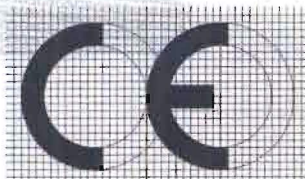
Remark
 For models difference, see test report, F690501/RF-SAF003855

Conclusion
 Based on a review of the test report, this apparatus meets the requirements of the above standards and hence fulfills the requirements of Directive 2006/95/EC

This certificate is only valid for the equipment submitted and configuration described, in conjunction with the test data detailed above. It does not permit the use of the SGS PRODUCT CERTIFICATION MARK.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives.


 WonWoo Lee
 Manager




 Eric Lee
 General Manager

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 09752443



CERTIFICATE OF CONFORMITY

Product: DC motor

Tested by request of GGM CO.,LTD.
22, Gyeongin-ro 3beon-gil, Sosa-gu, Bucheon-si
Gyeonggi-do, 14731, Republic of Korea

Manufactured at (name and place) Head office/Factory:
22, Gyeongin-ro 3beon-gil, Sosa-gu, Bucheon-si
Gyeonggi-do, 14731, Republic of Korea

Factory 2:
180, Oksan-ro, Wonmi-gu, Bucheon-si, Gyeonggi-do
14524, Republic of Korea

Trade mark (if any):

Model/Type Ref: KwDxyN3

Roman letters (w, x, y) indicated:
w (motor flange size): 6, 7, 8, 9
x (shaft type): G, P, S, K
y (power): 6, 15, 20, 25, 40, 60, 90, 120, 150, 200

Ratings and principal characteristics: 90Vd.c., 3 000 rpm

Additional information (if any) :

A sample of the product has been tested and found to be in conformity with :

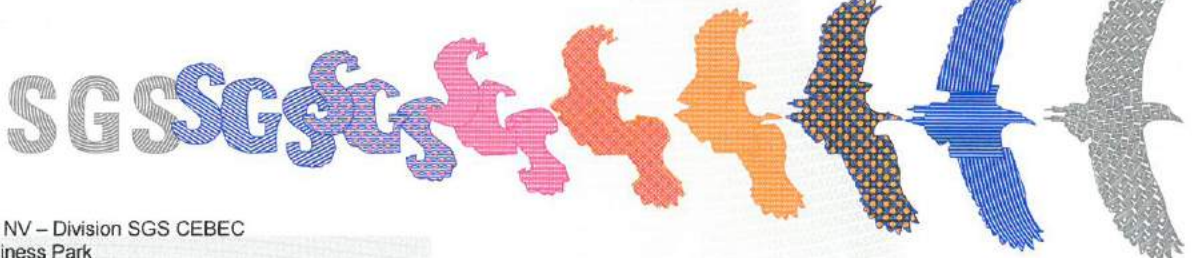
EN 60034-1:2010

as shown in the test report F690501/RF-SAF007908

This Certificate of Conformity is the result of testing a sample of the product submitted, in accordance with the provisions of the relevant specific standard. It does not imply an assessment of the whole production. Conformity of the produced products with the specimen tested remains on the full responsibility of the manufacturer.


Brussels, 21/01/2016

C. LANA,
Certification Manager.



CERTIFICATE OF CONFORMITY

Low Voltage Directive 2014/35/EU

Certificate No.	E204632-16-01
Product	SHADED POLE INDUCTION MOTOR
Model /Type ref.	See Appendix for all models
Holder of Certificate	GGM CO.,LTD. 22, Gyeongin-ro 3beon-gil, Sosa-gu, Bucheon-si, Gyeonggi-do, 14731, Republic of Korea
Manufacturer	GGM CO.,LTD. 22, Gyeongin-ro 3beon-gil, Sosa-gu, Bucheon-si, Gyeonggi-do, 14731, Republic of Korea GGM CO.,LTD. 180, Oksan-ro, Wonmi-gu, Bucheon-si, Gyeonggi-do, 14524, Republic of Korea
Trade Mark	
Electrical Rating	See Appendix for further details of ratings
Insulation Class	See Appendix
Degree of Protection	IPX0
Additional Information	N/A

This is to certify that the sample(s) of the Product described above has been investigated and is presumed to be in conformity with the applicable safety objectives set out in Annex I of the Directive 2014/35/EU on the basis of compliance with the following harmonised standards:

Standard(s): EN 60034-1: 2010

Detailed specifications of the tested and certified product are shown in the following Test Report:

Test Report Ref. No.: 4787713500

Issued Date: 2016-12-27

By: UL Korea Ltd.

The standard(s) above is listed in harmonized standards of Official Journal of the European Union and apply to the sample of product submitted by the manufacturer for conformity assessment for safety objectives, excluding the analysis and assessment of risk(s) and the manufacturing process and its monitoring. This certificate and the relevant test results apply only to the product sample(s) submitted by the manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured products. This certificate is to serve as a supplement to technical documents which established by the manufacturer according to Annex III of the directive. The manufacturer shall draw up a written EU declaration of conformity for a product model and keep it together with the technical documentation at the disposal of the national market surveillance authorities for 10 years after the electrical equipment has been placed on the market. The EU declaration of conformity shall identify the electrical equipment for which it has been drawn up.

This document contains 1 page(s).

Date: 2016-12-28

Signature: 

KyungSoo Cha
Engineering Manager
Conformity Assessment Services

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Appendix to CE LVD Certificate No. E204632-16-01

※ Model difference

- The models KA6120AC-01, KA6125AC-01, KA6130FC-01, KA6130AC-02, KA6130AC-03, KA6140AC-01, KA6140AC-02, KA6150AC-01 are identical to basic model KA6130AC-01. except for model designation and electrical rating.
 - The following table shown the differences of models;

Model Name	Ratings	Insulation
KA6120AC-01	230 V~, 50 Hz, 0.24 A	Class B
KA6125AC-01	230 V~, 50 Hz, 0.15 A	Class B
KA6130FC-01	230 V~, 50 Hz, 0.41A	Class B
KA6130AC-01	230 V~, 50 Hz, 0.45 A	Class B
KA6130AC-02	230 V~, 50 Hz, 0.37 A	Class B
KA6130AC-03	230 V~, 50 Hz, 0.23 A	Class B
KA6140AC-01	230 V~, 50 Hz, 0.4 A	Class B
KA6140AC-02	230 V~, 50 Hz, 0.4 A	Class B
KA6150AC-01	230 V~, 50 Hz, 0.46 A	Class B