

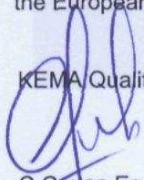
(1) EC-TYPE EXAMINATION CERTIFICATE**(2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

- (3) EC-Type Examination Certificate Number: **KEMA 06ATEX0113** Issue Number: **2**
- (4) Equipment: **Three-Phase Induction Squirrel-cage motors series Sh 90..., KSSKh 90..., Sg 100..., KSSKg 100..., Sg 112..., KSSKg 112..., Sg 132..., KSSKg 132..., Sg 160..., KSSKg 160..., Sg 180... and KSSKg 180... including terminal box.**
- (5) Manufacturer: **Fabryka Maszyn Elektrycznych Indukta SA.**
- (6) Address: **ul. M. Grażynskiego 22, 43-300 Bielsko-Biala, Poland**
- (7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the directive.
- The examination and test results are recorded in confidential test report no. 210919000-13
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN 61241-0 : 2006 EN 61241-1 : 2004**
- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- (12) The marking of the equipment shall include the following:

**II 2 D Ex tD A21 IP6X T125 °C**

This certificate is issued on 5 June 2008 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

KEMA Quality B.V.


C.G. van Es
Certification Manager



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KEMA Quality B.V. Utrechtseweg 310, 6812 AR Arnhem P.O. Box 5185, 6802 ED Arnhem The Netherlands
T +31 26 3 56 20 00 F +31 26 3 52 58 00 customer@kema.com www.kema.com Registered Arnhem 09085396

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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 06ATEX0113**

Issue No. 2

(15) **Description**

Three-Phase Induction Squirrel-cage motors Series Squirrel-cage motors series Sh 90..., KSSKh 90..., Sg 100..., KSSKg 100..., Sg 112..., KSSKg 112..., Sg 132..., KSSKg 132..., Sg 160..., KSSKg 160..., Sg 180... and KSSKg 180... including terminal box.

Ambient temperature range -20 °C ... +40 °C.

Electrical data

Rated output	: 0,75 kW up to 30 kW
Rated voltage	: 120 Vac up to 690 Vac
Rated frequency	: 50 Hz
Rated speed (n_s)	: 750 rpm, 1000 rpm, 1500 rpm or 3000 rpm
Duty type	: S1
Insulation class	: F

The electrical data for each motor must be taken from the nameplate and installation instruction of the used motor.

Installation instructions

The degree of protection of at least IP6X to EN 60034-5 is only achieved if certified cable entries and blanking elements for unused openings are used that are suitable for the application and correctly installed.

The built-in winding PTC thermistors (DIN 44 081 or 44 082 120 °C) or KTY 84-1... sensors in combination with a protective device shall be installed in the motor circuits in such a way that operation of the PTC thermistors or KTY84-1... sensors leads to switching-off of the motor.

The instructions of the manufacturer must be followed in detail to assure proper and safe operation of the equipment.

(16) **Test Report**

KEMA No. 210919000-13

(17) **Special conditions for safe use**

None.

(18) **Essential Health and Safety Requirements**

Assured by compliance with the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 210919000-13