

IBExU Institut für Sicherheitstechnik GmbH

An-Institut der TU Bergakademie Freiberg

Continuation Sheet 77

to the EC-TYPE EXAMINATION CERTIFICATE IBExU99ATEX1105 (Translation)

Three-phase Asynchronous Motor with Squirrel-Cage Rotor type IE2-K11R 160 L2

Rated values and technical data

On the basis of the test report IB-11-3-248 of 25 November 2011 the following specifications result:

The details are valid under the prerequisite that the Three-phase Motors of this type differ only insignificantly from the tested sample concerning the electrical and thermal design.

| | | | | |
|-----------------------------|-------------|---------------|-------------|-------------------|
| Nominal power: | | 16 | | kW |
| Nominal voltage: | 210 ... 230 | 380 ... 420 | 655 ... 725 | V |
| Nominal current: | 55 | 30.5 | 17.6 | A |
| Power factor: | | 0.92 | | |
| Nominal frequency: | | 50 | | Hz |
| Nominal speed: | | 2899 ... 2926 | | min ⁻¹ |
| Operation mode: | | S1 | | |
| Ratio I_A/I_N : | | 5.5 | | |
| Thermal class: | | F | | |
| Cooling medium temperature: | | 40 | | °C |

Besides the voltages mentioned above also intermediary values are permissible.
The related currents have to be converted in the reciprocal relation of the voltages.
In comparison with the rated values the mains voltage may fluctuate up to $\pm 5\%$ and the mains frequency up to $\pm 2\%$ appropriate to range A according to IEC 60034-1.

Temperature control

For the current-dependent delayed protective device the following t_E -times are valid:

| | | |
|--------------------|------|------|
| Temperature class: | T1 | T2 |
| Time t_E : | 14 s | 14 s |

This Continuation Sheet is only valid in combination with the EC-Type Examination Certificate IBExU99ATEX1105.

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Authorised for certifications
-Explosion protection-

By order



(Dr. Wagner)



Seal
(ID no. 0637)

Freiberg, 25 November 2011

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