IBExU Institut für Sicherheitstechnik GmbH
An-Institut der TU Bergakademie Freiberg

Continuation Sheet 63

to the EC-TYPE EXAMINATION CERTIFICATE IBExU99ATEX1137

(Translation)

Three-phase Asynchronous Motor with Squirrel-Cage Rotor type K11R 315 M4

Rated values and technical data

On the basis of the test report IB-10-3-319 of 29 September 2010 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 electrical and thermal design.

Nominal power:		84		kW
Nominal voltage:	220	400	690	V
Nominal current:	280	153	89	A
Power factor:		0.84		
Nominal frequency:		50		Hz
Nominal speed:		1485		min^{-1}
Operation mode:		S1		
Ratio I_A/I_N:		6.9		
Thermal class:		F		
Cooling medium temperature:		55		°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 ± 5 % and the mains frequency up to ± 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	T3
Time t_E:	27 s	27 s	10 s

Safety instruction

The service temperature is 82 °C at the entry point and 89 °C at the branching point. This has to be noticed on the selection of cable gland and cable.

This Continuation Sheet is only valid in combination with the EC-Type Examination Certificate IBExU99ATEX1137.

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7 - 09599 Freiberg, GERMANY
☎ +49 (0) 3731 3805-0 - 🖷 +49 (0) 3731 23650

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-Explosion protection-

By order

(Dr. Wagner)

Zertifizierstelle Explosionsschutz IBExU Institut für Sicherheitstechnik GmbH * Kenn-Nr. 0637 *
Seal
(ID no. 0637)

Freiberg, 29 September 2010

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