

# IBExU Institut für Sicherheitstechnik GmbH

An-Institut der TU Bergakademie Freiberg

## Continuation Sheet 29

### to the EC-TYPE EXAMINATION CERTIFICATE IBExU99ATEX1143 (Translation)

#### Three-phase Asynchronous Motor with Squirrel Cage Rotor type K11R 200 L4

##### Rated values and technical data

On the basis of the test report IB-06-3-168 of 01 July 2006 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 in the electrical and thermal design.

Nominal power:		18.5		kW
Nominal voltage:	220	380	690	V
Nominal current:	61	35.5	19.4	A
Power factor:		0.86		
Nominal frequency:		50		Hz
Nominal speed:		1480		min <sup>-1</sup>
Operation mode:		S1		
Ratio $I_M/I_N$ :		7.3		
Thermal class:		F		
Cooling medium temperature:		50		°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.

Compared 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	T3
Time $t_E$ :	55 s	55 s	23 s

##### Safety instruction

The motor shall be marked in accordance with EN 50014, 16.8 for the selection of the cable entry and the connection cable according to the extended temperatures.

This Continuation Sheet is only valid in combination with the EC-Type Examination Certificate IBExU99ATEX1143.

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

Authorised for certifications  
-Explosion protection-

Freiberg, 01 July 2006

By order

(Dr. Lösch)

Siegel  
(ID no. 0637)

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