

IBExU Institut für Sicherheitstechnik GmbH

An-Institut der TU Bergakademie Freiberg

Continuation Sheet 07

to the EC-TYPE EXAMINATION CERTIFICATE IBExU01ATEX1009 (Translation)

Three-phase Asynchronous Motor with Squirrel-Cage Rotor type K12R 355 M10

Rated values and technical data

On the basis of the test report IB-08-3-001 of 14 January 2008 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:		117		kW
Nominal voltage:	220	500	690	V
Nominal current:	475	210	152	A
Power factor:		0.68		
Nominal frequency:		50		Hz
Nominal speed:		596		min ⁻¹
Operation mode:		S1		
Ratio I_A/I_N :		6.0		
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 $\pm 2\%$ in accordance with 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 :	30 s	30 s	11 s

This Continuation Sheet is only valid in combination with the EC-Type Examination Certificate IBExU01ATEX1009.

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Authorised for certifications
-Explosion protection-

By order



(Dr. Lösch)



- Seal -
(ID no. 0637)

Freiberg, 14 January 2008

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