Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

DATA SHEET 11 TO EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 3037

Manufacturer: **VEM Motors GmbH**
Carl-Friedrich-Gauß-Str. 1, 38855 Wernigerode, Germany

for the three-phase motor type K11R 132 S4 ExeII ...

Ratings

This certificate is valid for the following designs providing the motors of this type differ only negligibly from the sample tested as regards the electrical and thermal stresses:

Power:		5		kW
Voltage:	220	400	690	V
Current:	18.6	10.2	5.9	A
Power factor:		0.83		
Frequency:		50		Hz
Speed: (motor)		1435		min^{-1}
Duty Type:		S1		
I_A/I_N ratio:		6.5		
Thermal class:		F		

In addition to the above-mentioned voltages, intermediate values are also permissible. The associated currents are to be converted in the inverse ratio to the voltages. The mains voltage may vary by up to ± 5% and the mains frequency by up to ± 2% from the rated values, in keeping with range A according to IEC 60034-1.

Temperature monitoring

For the selection of a current dependent time-lag protective device, the times t_E were determined as follows:

Temperature class:	T1	T2	T3	
Time t_E:	15	15	10	s

Assessment and test report PTB Ex 98-30009

Zertifizierungssektor Explosionsschutz
By order

Braunschweig, April 27, 2009

Dr.-Ing. F. Lienesch
Regierungsdirektor

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT

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