Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

DATA SHEET 13 TO EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 3043

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

for the three-phase asynchronmotor type K11R 280 S8 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 for cooling temperature 45 °C		33		kW
Voltage:	220	400	690	V
Current:	118	65	37.5	A
Power factor:		0.78		
Frequency:		50		Hz
Speed: (motor)		742		min^{-1}
Duty Type:		S1		
I_A/I_N ratio:		6.3		
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:	70	70	29	s

Assessment and test report PTB Ex 09-39136

Zertifizierungssektor Explosionsschutz
By order

Dr.-Ing. F. Lienesch
Regierungsdirektor

Braunschweig, September 14, 2009

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