

DATA SHEET 09 TO EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 3042

Manufacturer: VEM Motors GmbH
Carl-Friedrich-Gauß-Str. 1, 38842 Wernigerode, Germany

for three-phase asynchronmotor of the type K11R 250M4 Exell...

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 50°C:	44			kW
Voltage:	220	400	690	V
Current:	144	79	46	A
Power factor:		0.86		
Frequency:		50		Hz
Speed: (motor)		1485		min ⁻¹
Duty Type:		S1		
I _A /I _N ratio:		7.2		
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 :	29	29	7	s

Assessment and test report PTB Ex 11-31141

Zertifizierungssektor Explosionsschutz
On behalf of PTB:

Braunschweig, August 19, 2011


Dr.-Ing. F. Lienesch
Regierungsdirektor

