

## DATA SHEET 15 TO EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 3041

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

for three-phase asynchronmotor of the type K11R 225 M4 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:	34			kW
Voltage:	220	400	690	V
Current:	113	62	36	A
Power factor:		0.84		
Frequency:		50		Hz
Speed: (motor)		1480		min <sup>-1</sup>
Duty Type:		S1		
I <sub>A</sub> /I <sub>N</sub> ratio:		7.8		
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  $\pm 5\%$  and the mains frequency by up to  $\pm 2\%$  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 $t_E$ :	22	22	7	s

### Test report PTB Ex 12-32129

Zertifizierungssektor Explosionsschutz  
On behalf of PTB:

Braunschweig, July 17, 2012



Dr.-Ing. F. Lienesch  
Regierungsdirektor

