

## DATA SHEET 05 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 motor type K11R 280 M2 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:		76			kW
Voltage:	220	400	690		V
Current:	235	130	75		A
Power factor:		0.90			
Frequency:		50			Hz
Speed: (motor)		2970			min <sup>-1</sup>
Duty Type:		S1			
I <sub>A</sub> /I <sub>N</sub> ratio:		6.6			
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 $t_E$ :	30	30	13	s

### Assessment and test report PTB Ex 98-30016

Zertifizierungssektor Explosionsschutz

Braunschweig, March 12, 2009

By order



Dr.-Ing. F. Lienesch  
Regierungsdirektor

