

## DATA SHEET 19 TO EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 3040

**Manufacturer:** VEM Motors GmbH

Carl-Friedrich-Gauß-Str. 1, 38842 Wernigerode, Germany

for three-phase asynchronmotor type IE2 K11R 200L4 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:		27		kW
Voltage:	209...231	475...525	655...725	V
Current:	94	41.5	30	A
Power factor:		0.85		
Frequency:		50		Hz
Speed: (motor)		1475		min <sup>-1</sup>
Duty Type:		S1		
I <sub>A</sub> /I <sub>N</sub> ratio:		6.7		
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.

The maximum rated voltage according to EN 60079-7:2007, clause 4.3, table 1 is 690 V  $\pm 10\%$  (range B). This includes a rated voltage of 725 V  $\pm 5\%$  (range A).

### 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	
Time $t_E$ :	24	24	s

### Assessment and test report PTB Ex 11-31098

Zertifizierungssektor Explosionsschutz

On behalf of PTB:

Braunschweig, July 06, 2011

  
Dr.-Ing. F. Lienesch  
Regierungsdirektor

