

## DATA SHEET 14 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 IE2-K11R 280 M6

### 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	46			kW
Voltage:	220	400	690	V
Current:	150	82	47.5	A
Power factor:		0.86		
Frequency:		50		Hz
Speed: (motor)		990		min <sup>-1</sup>
Duty Type:		S1		
I <sub>A</sub> /I <sub>N</sub> ratio:		7.7		
Thermal classification:		155 (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

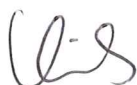
For the selection of a current dependent time-lag protective device, the times  $t_E$  were determined as follows:

Temperature class:	T1	T2	T3	
Time $t_E$ :	38	38	17	s

### Test report PTB Ex 12-32204

Zertifizierungssektor Explosionsschutz  
On behalf of PTB:

Braunschweig, August 21, 2012



Dr.-Ing. F. Lienesch  
Regierungsdirektor

