

DATA SHEET 15 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:	157	87	50	A
Power factor:		0.86		
Frequency:		50		Hz
Speed: (motor)		990		min ⁻¹
Duty Type:		S1		
I _A /I _N ratio:		7.3		
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 $\pm 10\%$ 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 :	37	37	15	s

Test report PTB Ex 12-32204

Zertifizierungssektor Explosionsschutz
On behalf of PTB:

Braunschweig, August 21, 2012



Dr.-Ing. F. Lienesch
Regierungsdirektor

