

DATA SHEET 17 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:		24		kW
Voltage:	209...231	475...525	655...725	V
Current:	84	37	26.5	A
Power factor:		0.85		
Frequency:		50		Hz
Speed: (motor)		1480		min ⁻¹
Duty Type:		S1		
I _A /I _N ratio:		7.5		
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 +/- 10 % (range B). This includes a rated voltage of 725 V +/- 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	T3	
Time t_E :	27	27	9	s

Assessment and test report PTB Ex 11-31098

Zertifizierungssektor Explosionsschutz
On behalf of PTB:

Braunschweig, July 06, 2011


Dr.-Ing. F. Lienesch
Regierungsdirektor

