

Braunschweig und Berlin

DATA SHEET 08 TO EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 3038

Manufacturer **VEM Motors GmbH, Carl-Friedrich-Gauß-Str. 1, 38855 Wernigerode, Germany**

for the three-phase motor type K11R 160 M8 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:		3.5		kW
Voltage:	210 - 230	380 - 420	655 - 725	V
Current:	16.0	8.8	5.1	A
Power factor:		0.76 - 0.70		
Frequency:		50		Hz
Speed: (motor)		720		min ⁻¹
Duty Type:		S1		
I _A /I _N ratio:		4.2		
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 60079-7:2003, clause 4.4, 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	T3	
Time t_E :	45	45	40	s

Report PTB Ex 98-30010

Zertifizierungsstelle Explosionsschutz
By order

Braunschweig, September 04, 2008



Dr.-Ing. F. Lienesch
Regierungsdirektor

