

DATA SHEET 03 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 motor type K11R 280 S2 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:	47			kW
Voltage:	220	400	690	V
Current:	149	82	47.5	A
Power factor:	0.88			
Frequency:	50			Hz
Speed: (motor)	2975			min ⁻¹
Duty Type:	S1			
I _A /I _N ratio:	7.1			
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.

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 :	50	50	25	s

Assessment and test report PTB Ex 98-30016

Zertifizierungssektor Explosionsschutz

Braunschweig, March 12, 2009

By order



Dr.-Ing. F. Lienesch
Regierungsdirektor

