

DATA SHEET 14 TO EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 3041

Manufacturer: VEM Motors GmbH
Carl-Friedrich-Gauß-Str. 1, 38842 Wemigerode, Germany

for three-phase asynchronmotor of the type K11R 225S4 Exell...
for altitude of site up to 1500m (above sea level)

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:	30			kW
Voltage:	220	400	690	V
Current:	100	55	32	A
Power factor:		0.85		
Frequency:		50		Hz
Speed: (motor)		1475		min ⁻¹
Duty Type:		S1		
I _A /I _N ratio:		6.1		
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 ± 5% and the mains frequency by up to ± 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 :	25	25	12	s

Assessment and test report PTB Ex 11-31154

Zertifizierungssektor Explosionsschutz
On behalf of PTB:

Braunschweig, August 22, 2011



Dr.-Ing. F. Lienesch
Regierungsdirektor

