

DATA SHEET 05 TO EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 3052

Manufacturer: **Bauer Gear Motor GmbH, 73734 Esslingen, Germany**

for three-phase asynchronmotor type DXE13LA4-...

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 60°C:	5.5						kW
Voltage:	110	220	440	550	690		V
Current:	43.0	21.5	10.7	9.5	6.9		A
Power factor:			0.80				
Frequency:			60				Hz
Speed: (motor)			1760				min ⁻¹
Duty Type:			S1				
I _A /I _N ratio:			8.6				
Thermal class:			F (155)				

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.

A supplementary data plate on the motors indicates that connecting cables or lines with increased thermal endurance and a temperature limit of at least 80 °C must be used.

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 :	9	9	8	s

Test report PTB Ex 13-33102

Zertifizierungssektor Explosionsschutz
On behalf of PTB

Braunschweig, August 08, 2013


Dr.-Ing. F. Lienesch
Regierungsdirektor

