

## DATA SHEET 15 TO EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 3049

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

for three-phase asynchronmotor type DXE08LA4-...

### 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:	0.75					kW
Voltage:	110	220	440	500	690	V
Current:	7.3	3.65	1.82	1.60	1.16	A
Power factor:	0.76					
Frequency:	60					Hz
Speed: (motor)	1699					min <sup>-1</sup>
Duty Type:	S1					
I <sub>A</sub> /I <sub>N</sub> ratio:	5.0					
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  $\pm 5\%$  and the mains frequency by up to  $\pm 2\%$  from the rated values, in keeping with range A according to IEC 60034-1.

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 $t_E$ :	12	12	12	s

Test report PTB Ex 13-33099

Zertifizierungssektor **Explosionsschutz**  
On behalf of PTB

Braunschweig, August 08, 2013

  
Dr.-Ing. F. Lienesch  
Regierungsdirektor

