

Braunschweig und Berlin

## DATA SHEET 16 TO EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 3051

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

for three-phase asynchronmotor type DXE11LA4-...

### 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:	4.0						kW
Voltage:	110	220	440	500	690		V
Current:	31.5	15.8	7.9	6.9	5.1		A
Power factor:			0.81				
Frequency:			60				Hz
Speed: (motor)			1745				min <sup>-1</sup>
Duty Type:			S1				
I <sub>w</sub> /I <sub>N</sub> ratio:			8.4				
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 $t_E$ :	7	7	7	s

Test report PTB Ex 13-33101

Zertifizierungssektor Explosionsschutz  
On behalf of PTB

Braunschweig, August 08, 2013



Dr.-Ing. F. Lienesch  
Regierungsdirektor

