

DATA SHEET 10 TO EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 3050

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

for three-phase asynchronmotor type DXE09LA4-...

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:	1.5						kW
Voltage:	110	220	440	500	690		V
Current:	13.2	6.6	3.3	2.9	2.1		A
Power factor:	0.80						
Frequency:	60						Hz
Speed: (motor)	1710						min ⁻¹
Duty Type:	S1						
I _A /I _N ratio:	5.9						
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 :	9	9	9	s

Test report PTB Ex 13-33100

Zertifizierungssektor Explosionsschutz
On behalf of PTB

Braunschweig, August 08, 2013


Dr.-Ing. F. Lienesch
Regierungsdirektor

