

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

