

**DATA SHEET 02 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3003**

Manufacturer: Bauer Gear Motor GmbH  
Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE06LA4-\*\*\*

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 at ambient temperature 60 °C:		0.12				kW
Voltage:	110	220	400	500		V
Current:	1.51	0.75	0.42	0.33		A
Power factor:			0.73			
Frequency:			50			Hz
Speed: (motor)			1355			min <sup>-1</sup>
Duty Type:			S1			
I <sub>A</sub> /I <sub>N</sub> ratio:			3.4			
Thermal classification:			155 (F)			

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<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	80	80	80	s

Test report PTB Ex 13-33234

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
On behalf of PTB:

Braunschweig, May 4, 2023

*Dr. C. Lehmann*  
Dr.-Ing. C. Lehmann



**DATA SHEET 04 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3003**

Manufacturer: Bauer Gear Motor GmbH  
Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE06LA4-\*\*\*

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 at ambient temperature 60 °C:		0.18					kW
Voltage:	110	220	400	500	690		V
Current:	2.30	1.15	0.63	0.51	0.37		A
Power factor:			0.70				
Frequency:			50				Hz
Speed: (motor)			1360				min <sup>-1</sup>
Duty Type:			S1				
I <sub>A</sub> /I <sub>N</sub> ratio:			3.4				
Thermal classification:			155 (F)				

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<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	39	39	39	s

Test report PTB Ex 13-33234

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehmann







**DATA SHEET 10 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3003**

Manufacturer: Bauer Gear Motor GmbH  
 Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE06LA4-\*\*\*

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 at ambient temperature 60 °C:	0.12				kW
Voltage:	110	220	440	500	V
Current:	1.51	0.75	0.37	0.33	A
Power factor:	0.73				
Frequency:	60				Hz
Speed: (motor)	1655				min <sup>-1</sup>
Duty Type:	S1				
I <sub>A</sub> /I <sub>N</sub> ratio:	3.8				
Thermal classification:	155 (F)				

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<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	80	80	80	s

Test report PTB Ex 13-33234

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
 On behalf of PTB:

Braunschweig, July 10, 2023

*C. Lehmann*  
 Dr.-Ing. C. Lehmann



## DATA SHEET 12 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3003

Manufacturer: Bauer Gear Motor GmbH  
Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE06LA4-\*\*\*

### 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 at ambient temperature 60 °C:	0.18					kW
Voltage:	110	220	440	500	690	V
Current:	2.30	1.15	0.58	0.51	0.37	A
Power factor:	0.70					
Frequency:	60					Hz
Speed: (motor)	1660					min <sup>-1</sup>
Duty Type:	S1					
I <sub>A</sub> /I <sub>N</sub> ratio:	3.8					
Thermal classification:	155 (F)					

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 $t_E$ :	39	39	39	s

### Test report PTB Ex 13-33234

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
On behalf of PTB:

Braunschweig, July 10, 2023

  
Dr.-Ing. C. Lehmann





**DATA SHEET 01 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3004**

Manufacturer: Bauer Gear Motor GmbH  
 Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE08MA4-\*\*\*

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 at ambient temperature 60 °C:			0.37				kW
Voltage:	110	230	400	500	690		V
Current:	3.9	1.89	1.08	0.87	0.63		A
Power factor:			0.73				
Frequency:			50				Hz
Speed: (motor)			1410				min <sup>-1</sup>
Duty Type:			S1				
I <sub>A</sub> /I <sub>N</sub> ratio:			4.7				
Thermal classification:			155 (F)				

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.

Temperature monitoring

For the selection of a current dependent time-lag protective device, the times t<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	25	25	25	s

Test report PTB Ex 02-32156

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
 On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehmann



**DATA SHEET 04 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3004**

Manufacturer: Bauer Gear Motor GmbH  
Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE08LA4-...

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: at coolant temperature 60°C:		0.55					kW
Voltage:	110	230	400	500	690		V
Current:	5.1	2.45	1.41	1.12	0.81		A
Power factor:			0.76				
Frequency:			50				Hz
Speed: (motor)			1404				min <sup>-1</sup>
Duty Type:			S1				
I <sub>A</sub> /I <sub>N</sub> ratio:			4.7				
Thermal classification:			155 (F)				

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.

Temperature monitoring

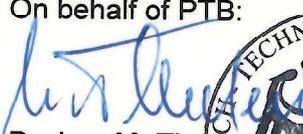
For the selection of a current dependent time-lag protective device, the times t<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	42	42	42	s

Test report PTB Ex 23-32093

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
On behalf of PTB:

Braunschweig, June 21, 2023

  
Dr.-Ing. M. Theiers  
Direktor und Professor



**DATA SHEET 08 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3004**

Manufacturer: Bauer Gear Motor GmbH  
Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE08LA4-...

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: at coolant temperature 60°C:		0.55					kW
Voltage:	110	220	440	500	690		V
Current:	5.1	2.55	1,28	1.12	0.81		A
Power factor:			0.76				
Frequency:			60				Hz
Speed: (motor)			1704				min <sup>-1</sup>
Duty Type:			S1				
I <sub>A</sub> /I <sub>N</sub> ratio:			5,1				
Thermal classification:			155 (F)				

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.

Temperature monitoring

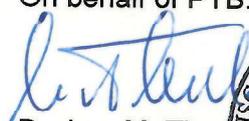
For the selection of a current dependent time-lag protective device, the times t<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	42	42	42	s

Test report PTB Ex 23-32093

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
On behalf of PTB:

Braunschweig, June 21, 2023

  
Dr.-Ing. M. Theodens  
Direktor und Professor



## DATA SHEET 11 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3004

Manufacturer: Bauer Gear Motor GmbH  
Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE08MA4-\*\*\*

### 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 at ambient temperature 60 °C:			0.37				kW
Voltage:	110	230	440	500	690		V
Current:	3.9	1.89	0.98	0.87	0.63		A
Power factor:			0.73				
Frequency:			60				Hz
Speed: (motor)			1710				min <sup>-1</sup>
Duty Type:			S1				
I <sub>A</sub> /I <sub>N</sub> ratio:			5.1				
Thermal classification:			155 (F)				

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.

### 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 $t_E$ :	25	25	25	s

### Test report PTB Ex 02-32156

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
On behalf of PTB:

Braunschweig, July 10, 2023

  
Dr.-Ing. C. Lehmann  


**DATA SHEET 08 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3005**

Manufacturer: Bauer Gear Motor GmbH  
Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE09LA4-...

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: at coolant temperature 60°C:		1.1					kW
Voltage:	110	230	400	500	690		V
Current:	8.9	4.26	2.45	1.96	1.42		A
Power factor:			0.8				
Frequency:			50				Hz
Speed: (motor)			1424				min <sup>-1</sup>
Duty Type:			S1				
I <sub>A</sub> /I <sub>N</sub> ratio:			6.4				
Thermal classification:			155 (F)				

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.

Temperature monitoring

For the selection of a current dependent time-lag protective device, the times t<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	35	35	30	s

Test report PTB Ex 23-32094

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
On behalf of PTB:

Braunschweig, June 21, 2023

  
Dr.-Ing. M. Theger  
Direktor und Professor





**DATA SHEET 10 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3005**

Manufacturer: Bauer Gear Motor GmbH  
 Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE09XA4-...

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 at coolant temperature 60 °C:		1.5					kW
Voltage:	110	230	400	500	690		V
Current:	12	5.7	3.3	2.84	1.91		A
Power factor:			0.79				
Frequency:			50				Hz
Speed: (motor)			1423				min <sup>-1</sup>
Duty Type:			S1				
I <sub>A</sub> /I <sub>N</sub> ratio:			6.7				
Thermal classification:			155 (F)				

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.

Temperature monitoring

For the selection of a current dependent time-lag protective device, the times t<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	24	24	21	s

Test report PTB Ex 23-32094

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
 On behalf of PTB:

Braunschweig, June 21, 2023

Dr.-Ing. M. Thedens  
 Direktor und Professor



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**DATA SHEET 14 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3005**

Manufacturer: Bauer Gear Motor GmbH  
Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE09XA4-...

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 at coolant temperature 60 °C:			1.5				kW
Voltage:	110	220	440	500	690		V
Current:	12	6.0	3.0	2.6	1.91		A
Power factor:			0.79				
Frequency:			60				Hz
Speed: (motor)			1723				min <sup>-1</sup>
Duty Type:			S1				
I <sub>A</sub> /I <sub>N</sub> ratio:			7.3				
Thermal classification:			155 (F)				

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.

Temperature monitoring

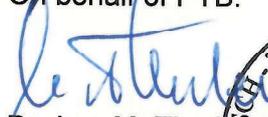
For the selection of a current dependent time-lag protective device, the times t<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	24	24	21	s

Test report PTB Ex 23-32094

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
On behalf of PTB:

Braunschweig, June 21, 2023

  
Dr.-Ing. M. Thedens  
Direktor und Professor



**DATA SHEET 06 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3006**

Manufacturer: Bauer Gear Motor GmbH  
Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE11LA4-\*\*\*

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 at ambient temperature 60 °C :	4.0					kW
Voltage:	110	230	400	500	690	V
Current:	31.5	15.0	8.7	6.9	5.1	A
Power factor:	0.81					
Frequency:	50					Hz
Speed: (motor)	1445					min <sup>-1</sup>
Duty Type:	S1					
I <sub>A</sub> /I <sub>N</sub> ratio:	7.8					
Thermal classification:	155 (F)					

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<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	7	7	7	s

Test report PTB Ex 13-33101

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehmann





**DATA SHEET 15 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3006**

Manufacturer: Bauer Gear Motor GmbH  
 Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE11LA4-\*\*\*

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 at ambient 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>A</sub> /I <sub>N</sub> ratio:	8.4					
Thermal classification:	155 (F)					

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<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	7	7	7	s

Test report PTB Ex 13-33101

Konformitätsbewertungsstelle, Sektor Explosionsschutz

Braunschweig, July 10, 2023

On behalf of PTB:

*C. Lehmann*  
 Dr.-Ing. C. Lehmann

## DATA SHEET 04 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3006

Manufacturer: Bauer Gear Motor GmbH  
Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE11MA4-\*\*\*

### 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 at ambient Temperature 60 °C :	3.0						kW
Voltage:	110	230	400	500	690		V
Current:	23.5	11.2	6.5	5.2	3.75		A
Power factor:			0.85				
Frequency:			50				Hz
Speed: (motor)			1428				min <sup>-1</sup>
Duty Type:			S1				
I <sub>A</sub> /I <sub>N</sub> ratio:			6.3				
Thermal classification:			155 (F)				

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 $t_E$ :	8	8	8	s

### Test report PTB Ex 13-33101

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehmann



**DATA SHEET 13 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3006**

Manufacturer: Bauer Gear Motor GmbH  
Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE11MA4-\*\*\*

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 at ambient temperature 60 °C :	3.0					kW
Voltage:	110	220	440	500	690	V
Current:	23.5	11.7	5.9	5.2	3.75	A
Power factor:	0.85					
Frequency:	60					Hz
Speed: (motor)	1728					min <sup>-1</sup>
Duty Type:	S1					
I <sub>A</sub> /I <sub>N</sub> ratio:	6.9					
Thermal classification:	155 (F)					

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<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	8	8	8	s

Test report PTB Ex 13-33101

Konformitätsbewertungsstelle, Sektor Explosionsschutz

Braunschweig, July 10, 2023

On behalf of PTB:

*Dr.-Ing. C. Lehmann*  
Dr.-Ing. C. Lehmann



**Datenblatt 01 zur EU-Baumusterprüfbescheinigung 23 ATEX 3006**

Hersteller Bauer Gear Motor GmbH  
 Eberhard-Bauer-Straße 37, 73734 Esslingen, Deutschland

für Drehstrom-Asynchronmotoren Typ .../DXEHE11SA4-\*\*\*

Bemessungsgrößen und Daten

Diese Bescheinigung gilt unter der Voraussetzung, dass sich die Motoren dieses Typs hinsichtlich der elektrischen und thermischen Beanspruchung nur unwesentlich von dem geprüften Muster unterscheiden, für die folgenden Ausführungen:

Leistung:			2,2				kW
Spannung:	110	230	400	500	690		V
Strom:	18,5	8,9	5,1	4,1	2,95		A
Leistungsfaktor:			0,82				
Frequenz:			50				Hz
Drehzahl (Motor):			1435				min <sup>-1</sup>
Betriebsart:			S1				
Verhältnis I <sub>A</sub> /I <sub>N</sub> :			6,2				
Thermische Klasse:			155 (F)				

Neben den oben angegebenen Spannungen sind auch dazwischen liegende Werte zulässig. Die zugehörigen Ströme sind im reziproken Verhältnis der Spannungen umzurechnen. Gegenüber den Bemessungswerten darf die Netzspannung bis zu ± 5 % und die Netzfrequenz bis zu ± 2 % entsprechend dem Bereich A nach IEC 60034-1 schwanken.

Temperaturüberwachung

Für die Auswahl einer stromabhängig verzögerten Schutzeinrichtung wurden die Zeiten t<sub>E</sub> wie folgt bestimmt:

Temperaturklasse:	T1	T2	T3	
Zeit t <sub>E</sub> :	12	12	12	s

Prüfbericht PTB Ex 99-30037

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
 Im Auftrag

Braunschweig, 4. Mai 2023

*Ch. Lehmann*  
 Dr.-Ing. C. Lehmann



**DATA SHEET 11 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3006**

Manufacturer: Bauer Gear Motor GmbH  
Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE11SA4-\*\*\*

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 at ambient temperature 60 °C:	2.2					kW
Voltage:	110	220	440	500	690	V
Current:	18.5	9.3	4.65	4.1	2.95	A
Power factor:	0.82					
Frequency:	60					Hz
Speed: (motor)	1735					min <sup>-1</sup>
Duty Type:	S1					
I <sub>A</sub> /I <sub>N</sub> ratio:	6.8					
Thermal classification:	155 (F)					

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<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	9	9	9	s

Test report PTB Ex 13-33101

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
On behalf of PTB:

Braunschweig, July 10, 2023

  
Dr.-Ing. C. Lehmann





**DATA SHEET 02 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3007**

Manufacturer: Bauer Gear Motor GmbH  
 Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE13LA4-\*\*\*

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 at ambient temperature 60 °C:	5.5					kW
Voltage:	110	230	400	500	690	V
Current:	43	20.6	11.9	9.5	6.9	A
Power factor:	0.80					
Frequency:	50					Hz
Speed: (motor)	1460					min <sup>-1</sup>
Duty Type:	S1					
I <sub>A</sub> /I <sub>N</sub> ratio:	8.1					
Thermal classification:	155 (F)					

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 and 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<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	9	9	8	s

Test report PTB Ex 13-33102

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
 On behalf of PTB:

Braunschweig, May 4, 2023

*C. Lehmann*  
 Dr.-Ing. C. Lehmann



**DATA SHEET 04 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3007**

Manufacturer: Bauer Gear Motor GmbH  
 Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEHE13LA4-\*\*\*

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 at ambient temperature 60 °C:	5.5					kW
Voltage:	110	220	440	500	690	V
Current:	43	21.5	10.7	9.5	6.9	A
Power factor:	0.80					
Frequency:	60					Hz
Speed: (motor)	1760					min <sup>-1</sup>
Duty Type:	S1					
I <sub>A</sub> /I <sub>N</sub> ratio:	8.6					
Thermal classification:	155 (F)					

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 and 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<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	9	9	8	s

Test report PTB Ex 13-33102

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
 On behalf of PTB:

Braunschweig, July 10, 2023

*Ch. Lehrmann*  
 Dr.-Ing. C. Lehrmann





**DATA SHEET 10 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3004**

Manufacturer: Bauer Gear Motor GmbH  
Eberhard-Bauer-Straße 37, 73734 Esslingen, Germany

for three phase motor type .../DXEPE08YA4-2-...

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: at coolant temperature 60 °C:		0.75					kW
Voltage:	110	220	440	500	690		V
Current:	6.9	3.44	1.72	1.5	1.09		A
Power factor:			0.72				
Frequency:			60				Hz
Speed: (motor)			1719				min <sup>-1</sup>
Duty Type:			S1				
I <sub>A</sub> /I <sub>N</sub> ratio:			6.1				
Thermal classification:			155 (F)				

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.

Temperature monitoring

For the selection of a current dependent time-lag protective device, the times t<sub>E</sub> were determined as follows:

Temperature class:	T1	T2	T3	
Time t <sub>E</sub> :	37	37	34	s

Test report PTB Ex 23-32093

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
On behalf of PTB:

Braunschweig, June 21, 2023

Dr.-Ing. M. Thejens  
Direktor und Professor

