Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 06 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 .../DXE09XA42-***

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:			1.3 / 1.8			kW
Voltage:	110	230	400	500	690	V
Current:	11.8 / 14.5	5.7 / 7.0	3.25 / 4.0	2.6 / 3.2	1.88 / 2.3	A
Power factor:			0.79 / 0.91			
Frequency:			50			Hz
Speed: (motor)			1405 / 2820			min^{-1}
Duty Type:			S1			
I_A/I_N ratio:			5.0 / 5.6			
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.

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:	20 / 12	20 / 12	20 / 12	s

Test report PTB Ex 01-30081

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lebrman

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 08 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 .../DXE11LA42-***

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 :			3.0 / 4.0			kW
Voltage:	110	230	400	500	690	V
Current:	23.5 / 30	11.3 / 14.4	6.5 / 8.3	5.2 / 6.6	3.75 / 4.8	A
Power factor:			0.85 / 0.94			
Frequency:			50			Hz
Speed: (motor)			1430 / 2875			min^{-1}
Duty Type:			S1			
I_A/I_N ratio:			6.2 / 7.0			
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_E were determined as follows:

Temperature class:	T1	T2	T3	
Time t_E:	13 / 8	13 / 8	13 / 8	s

Test report PTB Ex 01-30089

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehrmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 09 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 .../DXE11LC84-***

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 :			1.1 / 2.2			kW
Voltage:	110	230	400	500	690	V
Current:	14.7 / 18.2	7.0 / 8.7	4.05 / 5.0	3.25 / 4.0	2.35 / 2.9	A
Power factor:			0.58 / 0.85			
Frequency:			50			Hz
Speed: (motor)			712 / 1435			min^{-1}
Duty Type:			S1			
I_A/I_N ratio:			3.9 / 5.6			
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.

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:	30 / 11	30 / 11	30 / 11	s

Test report PTB Ex 01-30089

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 01 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:		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^{-1}
Duty Type:		S1			
I_A/I_N 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.

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	T4	
Time t_E:	160	160	160	40	s

Test report PTB Ex 99-30031

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehrian

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 03 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:			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^{-1}
Duty Type:			S1			
I_A/I_N 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.

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	T4	
Time t_E:	50	50	50	19	s

Test report PTB Ex 99-30031

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 05 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 .../DXEHE06XB4-...

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:			0.25			kW
Voltage:	110	230	400	500	690	V
Current:	2.88	1.37	0.79	0.63	0.46	A
Power factor:			0.72			
Frequency:			50			Hz
Speed: (motor)			1347			min^{-1}
Duty Type:			S1			
I_A/I_N ratio:			3.7			
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_E were determined as follows:

Temperature class:	T1	T2	T3	T4	
Time t_E:	80	80	70	19	s

Test report PTB Ex 23-32092

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, June 21, 2023

Dr.-Ing. M. Thedens
Direktor und Professor

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 07 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 .../DXEHE06XB4-...

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:			0.25			kW
Voltage:	110	220	440	500	690	V
Current:	2.85	1.44	0.72	0.63	0.46	A
Power factor:			0.72			
Frequency:			60			Hz
Speed: (motor)			1647			min^{-1}
Duty Type:			S1			
I_A/I_N ratio:			4.0			
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_E were determined as follows:

Temperature class:	T1	T2	T3	T4	
Time t_E:	80	80	70	19	s

Test report PTB Ex 23-32092

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, June 21, 2023

Dr.-Ing. M. Theilen
Direktor und Professor

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 09 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:		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^{-1}
Duty Type:		S1			
I_A/I_N ratio:		3.9			
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.

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	T4	
Time t_E:	160	160	160	40	s

Test report PTB Ex 00-30031

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, July 10, 2023

Dr.-Ing. C. Lehrmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 11 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:			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:			60			Hz
Speed: (motor)			1660			min^{-1}
Duty Type:			S1			
I_A/I_N 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.

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	T4	
Time t_E:	50	50	50	19	s

Test report PTB Ex 99-30079

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, July 10, 2023

Dr.-Ing. C. Lehrmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 03 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:			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^{-1}
Duty Type:			S1			
I_A/I_N 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_E were determined as follows:

Temperature class:	T1	T2	T3	T4	
Time t_E:	50	50	50	20	s

Test report PTB Ex 23-32093

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, June 21, 2023

Dr.-Ing. M. Theden
Direktor und Professor

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 07 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:			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^{-1}
Duty Type:			S1			
I_A/I_N 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_E were determined as follows:

Temperature class:	T1	T2	T3	T4	
Time t_E:	50	50	50	20	s

Test report PTB Ex 23-32093

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, June 21, 2023

Dr.-Ing. M. Thedens
Direktor und Professor

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 07 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:			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^{-1}
Duty Type:			S1			
I_A/I_N 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_E were determined as follows:

Temperature class:	T1	T2	T3	T4	
Time t_E:	40	40	40	14	s

Test report PTB Ex 23-32094

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, June 21, 2023

Dr.-Ing. M. Theedens
Direktor und Professor

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 09 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:			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^{-1}
Duty Type:			S1			
I_A/I_N 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_E were determined as follows:

Temperature class:	T1	T2	T3	T4	
Time t_E:	29	29	28	7	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

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 11 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:			1.1			kW
Voltage:	110	220	440	500	690	V
Current:	8.9	4.45	2.2	1.96	1.42	A
Power factor:			0.8			
Frequency:			60			Hz
Speed: (motor)			1724			min^{-1}
Duty Type:			S1			
I_A/I_N ratio:			7.0			
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_E were determined as follows:

Temperature class:	T1	T2	T3	T4	
Time t_E:	40	40	40	14	s

Test report PTB Ex 23-32094

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, June 21, 2023

Dr.-Ing. M. Theofens
Direktor und Professor

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 13 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:			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^{-1}
Duty Type:			S1			
I_A/I_N 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_E were determined as follows:

Temperature class:	T1	T2	T3	T4	
Time t_E:	29	29	28	7	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

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 05 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 :			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^{-1}
Duty Type:			S1			
I_A/I_N 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.

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 99-30036

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehrmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 14 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 :			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^{-1}
Duty Type:			S1			
I_A/I_N 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.

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 00-30034

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, July 10, 2023

Dr.-Ing. C. Lehrmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 03 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 :			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^{-1}
Duty Type:			S1			
I_A/I_N 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 ± 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_E were determined as follows:

Temperature class:	T1	T2	T3	
Time t_E:	11	11	11	s

Test report PTB Ex 99-30037

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehrmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 12 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 :			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^{-1}
Duty Type:			S1			
I_A/I_N 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.

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:	11	11	11	s

Test report PTB Ex 00-30034

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, July 10, 2023

Dr.-Ing. C. Lehmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
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DATA SHEET 01 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:			2.2			kW
Voltage:	110	230	400	500	690	V
Current:	18.5	8.9	5.1	4.1	2.95	A
Power factor:			0.82			
Frequency:			50			Hz
Speed: (motor)			1435			min^{-1}
Duty Type:			S1			
I_A/I_N ratio:			6.2			
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_E were determined as follows:

Temperature class:	T1	T2	T3	
Time t_E:	12	12	12	s

Test report PTB Ex 99-30037

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 10 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:			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^{-1}
Duty Type:			S1			
I_A/I_N 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.

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 00-30034

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, July 10, 2023

Dr.-Ing. C. Lehrmann

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 01 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:			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^{-1}
Duty Type:			S1			
I_A/I_N 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.

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:	13	13	12	s

Test report PTB Ex 99-30038

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehrmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 03 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:			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^{-1}
Duty Type:			S1			
I_A/I_N 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.

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:	13	13	12	s

Test report PTB Ex 00-30035

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, July 10, 2023

Dr.-Ing. C. Lehrmann

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 02 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3008

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

for three phase motor type .../DXEHE16LA4-***

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:			9.5			kW
Voltage:	200	230	400	500	690	V
Current:	38	33	19.1	15.3	11.1	A
Power factor:			0.84			
Frequency:			50			Hz
Speed: (motor)			1472			min^{-1}
Duty Type:			S1			
I_A/I_N ratio:			8.0			
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_E were determined as follows:

Temperature class:	T1	T2	T3	
Time t_E:	14	14	9	s

Test report PTB Ex 99-30129

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehrmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

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Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 03 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3008

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

for three phase motor type .../DXEHE16LA4-***

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:			11			kW
Voltage:	200	230	400	500	690	V
Current:	45	39	22.5	18.0	13.0	A
Power factor:			0.83			
Frequency:			50			Hz
Speed: (motor)			1469			min^{-1}
Duty Type:			S1			
I_A/I_N 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.

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:	10	10	6	s

Test report PTB Ex 99-30129

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 06 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3008

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

for three phase motor type .../DXEHE16LA4-***

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:			9.5			kW
Voltage:	200	220	440	500	690	V
Current:	38	34.5	17.3	15.3	11.1	A
Power factor:			0.84			
Frequency:			60			Hz
Speed: (motor)			1772			min^{-1}
Duty Type:			S1			
I_A/I_N ratio:			8.2			
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_E were determined as follows:

Temperature class:	T1	T2	T3	
Time t_E:	14	14	9	s

Test report PTB Ex 00-30036

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, July 10, 2023

Dr.-Ing. C. Lehrmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 07 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3008

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

for three phase motor type .../DXEHE16LA4-***

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:			11			kW
Voltage:	200	220	440	500	690	V
Current:	45	41	20.5	18.0	13.0	A
Power factor:			0.83			
Frequency:			60			Hz
Speed: (motor)			1769			min^{-1}
Duty Type:			S1			
I_A/I_N ratio:			8.2			
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_E were determined as follows:

Temperature class:	T1	T2	T3	
Time t_E:	10	10	6	s

Test report PTB Ex 00-30036

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, July 10, 2023

Dr.-Ing. C. Lehrmann

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 01 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3008

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

for three phase motor type .../DXEHE16MA4-***

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:			7.5			kW
Voltage:	190	230	400	500	690	V
Current:	32	26.5	15.2	12.2	8.8	A
Power factor:			0.84			
Frequency:			50			Hz
Speed: (motor)			1467			min^{-1}
Duty Type:			S1			
I_A/I_N 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.

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:	16	16	15	s

Test report PTB Ex 99-30129

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehrmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 05 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3008

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

for three phase motor type .../DXEHE16MA4-***

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:			7.5			kW
Voltage:	190	220	440	500	690	V
Current:	32	27.5	13.8	12.2	8.8	A
Power factor:			0.84			
Frequency:			60			Hz
Speed: (motor)			1767			min^{-1}
Duty Type:			S1			
I_A/I_N ratio:			7.6			
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.

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:	16	16	15	s

Test report PTB Ex 00-30036

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, July 10, 2023

Dr.-Ing. C. Lehrmann

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 04 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3008

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

for three phase motor type .../DXEHE16XA4-***

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:			11			kW
Voltage:	170	230	400	500	690	V
Current:	51	38	22	17.5	12.6	A
Power factor:			0.84			
Frequency:			50			Hz
Speed: (motor)			1473			min^{-1}
Duty Type:			S1			
I_A/I_N 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.

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	10	s

Test report PTB Ex 99-30129

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 08 TO EU-TYPE EXAMINATION CERTIFICATE PTB 23 ATEX 3008

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

for three phase motor type .../DXEHE16XA4-***

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:			11			kW
Voltage:	200	220	440	500	690	V
Current:	43.5	39.5	19.8	17.5	12.6	A
Power factor:			0.84			
Frequency:			60			Hz
Speed: (motor)			1773			min^{-1}
Duty Type:			S1			
I_A/I_N ratio:			8.7			
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_E were determined as follows:

Temperature class:	T1	T2	T3	
Time t_E:	12	12	10	s

Test report PTB Ex 00-30036

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, July 10, 2023

Dr.-Ing. C. Lehrmann

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 05 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:			0.75			kW
Voltage:	110	230	400	500	690	V
Current:	6.8	3.25	1.88	1.5	1.08	A
Power factor:			0.72			
Frequency:			50			Hz
Speed: (motor)			1419			min^{-1}
Duty Type:			S1			
I_A/I_N ratio:			5.7			
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_E were determined as follows:

Temperature class:	T1	T2	T3	T4	
Time t_E:	45	45	43	14	s

Test report PTB Ex 23-32093

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, June 21, 2023

Dr.-Ing. M. Thedens
Direktor und Professor

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 09 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:			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^{-1}
Duty Type:			S1			
I_A/I_N 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_E were determined as follows:

Temperature class:	T1	T2	T3	T4	
Time t_E:	45	45	43	14	s

Test report PTB Ex 23-32093

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, June 21, 2023

Dr.-Ing. M. Thedens
Direktor und Professor

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 02 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 .../DXEU08LA8-***

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:			0.08			kW
Voltage:	110	230	400	500	690	V
Current:	1.26	0.60	0.35	0.28	0.20	A
Power factor:			0.63			
Frequency:			50			Hz
Speed: (motor)			694			min^{-1}
Duty Type:			S1			
I_A/I_N ratio:			3.0			
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_E were determined as follows:

Temperature class:	T1	T2	T3	T4	
Time t_E:	180	180	180	180	s

Test report PTB Ex 01-30045

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lahrm

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 05 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 .../DXEU09XA4-***

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:			0.63			kW
Voltage:	110	230	400	500	690	V
Current:	5.2	2.45	1.42	1.14	0.82	A
Power factor:			0.86			
Frequency:			50			Hz
Speed: (motor)			1407			min^{-1}
Duty Type:			S1			
I_A/I_N ratio:			5.9			
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.

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	T4	
Time t_E:	50	50	50	14	s

Test report PTB Ex 99-30034

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lebrmann

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 11

ZSEx10102e c

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

DATA SHEET 07 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 .../DXEU11LA4-***

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 :			1.1			kW
Voltage:	110	230	400	500	690	V
Current:	8.7	4.2	2.4	1.92	1.39	A
Power factor:			0.88			
Frequency:			50			Hz
Speed: (motor)			1430			min^{-1}
Duty Type:			S1			
I_A/I_N 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_E were determined as follows:

Temperature class:	T1	T2	T3	T4	
Time t_E:	40	40	40	12	s

Test report PTB Ex 99-30036

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, May 4, 2023

Dr.-Ing. C. Lehrmann

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