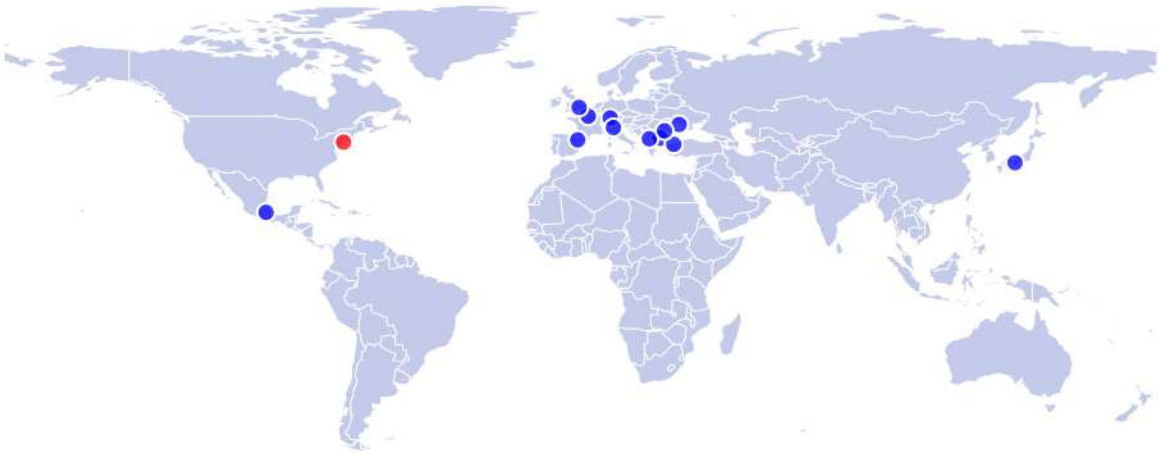
ENAPART



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+&	$5& 68335(6625)25 '& &5$1(
+&	$5& 68335(6625
+&	6WDWLF ,Q /LQH 7LPHU ZLWK 7LPLQJ 5DQJH 8VH LQ $& &RQWDFRU DQG 5HOD\ &RQWURO
+&	6WDWLF ,Q /LQH 7LPHU ZLWK 7LPLQJ 5DQJH 8VH LQ $& &RQWDFRU DQG 5HOD\ &RQWURO
+&	6WDWLF ,Q /LQH 7LPHU ZLWK 7LPLQJ 5DQJH 8VH LQ $& 6R &RQWDFRU DQG 5HOD\ &RQWURO
+&	6WDWLF 2II 'HOD\ 7LPHU IRU XVH LQ 5HOD\ &RQWURO &RQWDF
+&	6WDWLF 2II 'HOD\ 7LPHU 6HFRQGV IRU XVH LQ 5HOD\ &RQWURO
1 $	$XGLR 0HJDSKRQH +DLOHU
1 $	$XGLR 0HJDSKRQH $LUFUDIW +DLOHU
1 $	$XGLR 0HJDSKRQH 6DIH +DLOHU

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Installation declaration

for an incomplete machine within the meaning of the EEC Machine Directive 2006/42/EU Annex IIB

The version of the external ventilation units size 63 to 450 with built-in asynchronous internal and external rotor motor or electronic commutate internal and external rotor motor has been developed, designed and produced in compliance with the above EEC directives under the sole responsibility of the company

WISTRO
Elektro-Mechanik-GmbH
Berliner Allee 29 – 31
D-30855 Langenhagen

and complies with the requirements of Annex I, Articles 1.1.2, 1.1.5, 1.4.1, 1.5.1 of the EU Machine Directive 2006/42/EU.

The following harmonised standards have been used:

EN 60204-1: 2019 Safety of machines; electrical equipment of machines
EN ISO 12100 : 2010 Safety of machines; fundamental terms, general design guidelines
EN ISO 13857 : 2008 Safety of machines; safe distances

The special technical documents as per Annex VII Part B have been produced and are completely available.

In case of a justified request, the special documents will be communicated to the State authority. This communication may be made electronically, on data carriers or on paper. All protective rights remain with the manufacturer stated above.

This product is only intended for integration into a system which is completed with other devices and must be operated as such. The operator of the overall system is responsible for compliance with the Machine Directive and the conformity procedures.

Langenhagen, 02.03.20

W. Strohmeyer

Manager and person authorised for the special technical documents.

EU Declaration of Conformity

In the sense of the EU Low Voltage Directives 2014/35/EU, EMC 2014/30/EU, ERP 2009/125/EC* and RoHS 2011/65/EU.

The version of the external ventilation units types FLA, FLAI and FLAIR has been developed, designed and produced in compliance with the above EU directives under the sole responsibility of the company:

WISTRO
Elektro-Mechanik-GmbH
Berliner Allee 29 – 31
D-30855 Langenhagen

The following harmonised standards have been used:

EN 50581 :2012
EN 60034-1 :2010 + Cor.:2010
EN 60204-1 :2018
EN 60529 :1991 + A1:2000 + A2:2013 + Cor.:2016 + Cor.:2019
EN 61000-6-3 :2007 + A1:2011 + Cor.:2012
EN 61000-6-2 :2019

The content of the EMC Directive 2014/30/EU only applies to this product if it is directly connected to the normal power supply network. If the product is integrated into a system or is supplemented and operated with other devices, the manufacturer or operator of the total system is responsible for compliance with the EMC Directive.

*All products affected by this directive comply with the guide line (EC) Nr. 327/2011 as per year 2015.

Langenhagen, 12.05.2020

W. Strohmeyer - Manager

12.05.20, SL

Supplier´s declaration for the EU chemicals regulation according to regulation 1907/2006/EG (REACH)

We hereby declare that our products

- forced ventilation units type IL and ILI for motor sizes from 63 to 560 -

are compliant with the above EU directive and do not contain substances of very high concern according to the current version of the candidate list or include shares only below the applicable limits.

Langenhagen, 16.07.2020

W. Strohmeyer (GM)

16.07.20, WH

Supplier's declaration for the avoidance of hazardous substances as per Directive 2011/65/EU (RoHS)

We hereby declare that our products, which have been delivered after 31.03.2015 do not contain the following substances in excess of the stated concentrations:

Chromium VI	0.1% by weight
Cadmium	0.01% by weight
Mercury	0.1% by weight
Lead	0.1% by weight
Polybrominated diphenyl ether (PBDE)	0.1% by weight
Polybrominated biphenyl (PBB)	0.1% by weight
Di(2-ethylhexyl)phthalat	0,1% by weight
Butylbenzylphthalat	0,1% by weight
Dibutylphthalat	0,1% by weight
Diisobutylphthalat	0,1% by weight

A special notification will be made regarding products which do not comply with these requirements.

Amendments which affect the above limits will be notified immediately.

Langenhagen, 16.07.2020

W. Strohmeyer (GM)

CERTIFICATE OF COMPLIANCE

Certificate Number	20150311-E233141
Report Reference	E233141-20021218
Issue Date	2015-MARCH-11
Issued to:	WISTRO ELEKTRO-MECHANIK GMBH BERLINER ALLEE 29-31 30855 LANGENHAGEN GERMANY
This is to certify that representative samples of	COMPONENT - MOTORS USR/CNR Component – Electric Fan Motor, single or three phase, Models B20, B30, B31, C35, C36, C60, C61, C62, E30, D48 and F50, Models E31 IL-2-1/063-OT, E31 IL-2-1/071-OT, E31 IL-2-1/080-OT, E31 IL-2-3/063-OT, E31 IL-2-3/071-OT and E31 IL-2-3/080-OT. Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	Ul 1004-1 Standard for rotating electrical machines - general requirements Csa-c22.2 no. 100-14 Motors and generators
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number	20120227-E321784
Report Reference	E321784-20120227
Issue Date	2012-FEBRUARY-27
Issued to:	WISTRO ELEKTRO-MECHANIK GMBH BERLINER ALLEE 29-31 30855 LANGENHAGEN GERMANY
This is to certify that representative samples of	COMPONENT - FANS, ELECTRIC Low Voltage Component Fans, Series G30 followed by 24, followed by 063, 071, 080, 090, 100 or 112. Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	USR - Standard for Electric Fans, UL 507. CNR - Canadian Standard for Fans and Ventilators, CSA C22.2 No. 113-10.
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Recognized Component Marks for the U.S. and Canada should be considered as being covered by UL's Recognition and Follow-Up Service and meeting the appropriate U.S. and Canadian requirements.

The UL Recognized Component Mark for the U.S. generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions. The UL Recognized Component Mark for Canada consists of the UL Recognized Mark for Canada: and the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory.

The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.

William R. Carney, Director, North American Certification Programs

UL LLC

CERTIFICATE

Management system as per
DIN EN ISO 9001 : 2015

In accordance with TÜV NORD CERT procedures, it is hereby certified that

WISTRO Elektro-Mechanik GmbH
Berliner Allee 29-31
30855 Langenhagen
Germany

applies a management system in line with the above standard for the following scope

Development, production and sale of industrial fans as well as external fan units with steel casings and/or steel casing components.

Certificate Registration No. 44 100 110005
Audit Report No. 3519 4042

Valid until 2020-05-15
Initial certification 2011

Certification Body
at TÜV NORD CERT GmbH

Essen, 2017-05-17

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

TÜV NORD CERT GmbH Langemarckstraße 20 45141 Essen www.tuev-nord-cert.com

DAkkS Deutsche Akkreditierungsstelle D-ZM-12007-01-01

TÜV NORD

CERTIFICATE

Management system as per
DIN EN ISO 14001 : 2015

In accordance with TÜV NORD CERT procedures, it is hereby certified that

WISTRO Elektro-Mechanik GmbH
Berliner Allee 29-31
30855 Langenhagen
Germany

wistro

applies a management system in line with the above standard for the following scope

Development, production and sale of industrial fans as well as external fan units with steel casings and/or steel casing components.

Certificate Registration No. 44 104 110005
Audit Report No. 3519 4043

Valid until 2020-05-15
Initial certification 2011

Certification Body
at TÜV NORD CERT GmbH

Essen, 2017-05-17

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

TÜV NORD CERT GmbH Langemarckstraße 20 45141 Essen www.tuev-nord-cert.com

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

DAkkS Deutsche Akkreditierungsstelle D-ZM-12007-01-01

TÜV NORD ANLAGENTECHNIK GMBH
Am TÜV 1
30519 Hannover

ANLAGENTECHNIK

Bescheinigung über die Prüfung des Gehäuseschutzgrades gemäß DIN VDE 0470, Teil1 / EN 60 529

Prüflabor
Explosionsgeschützte Betriebsmittel
und Überwachungseinrichtungen

Angestrebter Schutzgrad: IP 66

Prüfeinrichtung gemäß DIN VDE 0470,Teil 1 / EN 60 529,
Abschnitte 13.4, 13.6, 14.2.6 und14.3
(Staubkammer und Strahldüse 12,5 mm)

Auftraggeber:	Fa. WISTRO Elektro-Mechanik GmbH Karl-Kellner-Str. 105 a 30853 Langenhagen
Prüfgegenstand:	Fremdlüfteraggregat Bg 63 bis 200 -Reihe IL
Prüfergebnis:	**1. Fremdkörperschutz**
	Staubeintritt nein
	2. Wasserschutz
	Wassereintritt: nein
Bearbeiter:	Dr. Ing. M. Rusch / H. Lenz
Auftragsnummer:	7512 PE 00900
Prüfdatum:	09.05.2000

Der Prüfgegenstand erfüllt die Anforderungen an den Gehäuseschutzgrad IP 66

Hannover, 17.05.2000
Ort, Datum

Der Leiter des Prüflabors
Explosionsgeschützte Betriebsmittel
und Überwachungseinrichtungen

Volumenstrom [m³/h], Baureihe IL / ILI
Air current capacity [m³/h], type IL / ILI
Courant en volumes [m³/h], version IL / ILI
Caudal volumétrico [m³/h], variante de serie IL / ILI
Portata in volume[m³/h], serie IL / ILI

IL

Bg **Frame size** **HA** **Tamaño** **mod.**	400V 50Hz 3 ~ Y 2-polig	460V 60Hz 3 ~ Y 2-polig	400V 50Hz 3 ~ Y 4-polig	460V 60Hz 3 ~ Y 4-polig	400V 50Hz 3 ~ Δ 4-polig	460V 60Hz 3 ~ Δ 4-polig
63	54	69	/	/	/	/
71	78	98	/	/	/	/
80	127	148	/	/	/	/
90	200	240	109	130	/	/
100	260	310	141	164	/	/
112	337	411	168	200	/	/
132	532	633	278	330	/	/
160	935	1068	507	607	/	/
180	1145	1270	604	680	/	/
200	1263	1450	640	760	/	/
204	/	/	990	1163	1051	1271
225	/	/	1123	1295	1180	1415
249	/	/	1350	1570	1450	1732
250	/	/	1666	1885	1839	2190
280	/	/	2116	2461	2404	2840
315	/	/	2662	2943	2848	3350

mit b-seitigem Referenzlagerschild /with bearing shield of reference on side b /avec de référence flasque latérale b / placa de referencia en el lado b /con targhetta cuscinetti di riferimento lato b

Volumenstrom [m³/h], Baureihe IL / ILI
Air current capacity [m³/h], type IL / ILI
Courant en volumes [m³/h], version IL / ILI
Caudal volumétrico [m³/h], variante de serie IL / ILI
Portata in volume[m³/h], serie IL / ILI

ILI

Bg **Frame size** **HA** **Tamaño** **mod.**	400V 50Hz 3 ~ Y 2-polig	460V 60Hz 3 ~ Y 2-polig	400V 50Hz 3 ~ Y 4-polig	460V 60Hz 3 ~ Y 4-polig	400V 50Hz 3 ~ Δ 4-polig	460V 60Hz 3 ~ Δ 4-polig
63	54	69	/	/	/	/
71	78	99	/	/	/	/
80	128	151	/	/	/	/
90	216	258	/	/	/	/
100	278	328	/	/	/	/
112	355	418	180	210	/	/
132	550	650	290	340	/	/
160	980	1160	520	620	/	/
180	1200	1379	619	695	/	/
200	1324	1575	656	776	/	/
204	/	/	1062	1237	1103	1313
225	/	/	1283	1467	1337	1580
249	/	/	1457	1714	1532	1832
250	/	/	1672	1919	1764	2097
280	/	/	2170	2472	2319	2760
315	/	/	2560	2935	2747	3274

mit b-seitigem Referenzlagerschild /with bearing shield of reference on side b /avec de référence flasque latérale b / placa de referencia en el lado b /con targhetta cuscinetti di riferimento lato b

Schalldruckpegel [dB(A)], Baureihe ILI
noise level [dB(A)], type ILI
niveau de pression acoustique [dB(A)], version ILI
Nivel sonoro [dB(A)], variante de serie ILI
Livello di pressione acustica[dB(A)], serie ILI

Bg Frame size HA Tamaño mod.	400V 50Hz 3 ~ Y 2-polig	460V 60Hz 3 ~ Y 2-polig	400V 50Hz 3 ~ Y 4-polig	460V 60Hz 3 ~ Y 4-polig	400V 50Hz 3 ~ Δ 4-polig	460V 60Hz 3 ~ Δ 4-polig
63	47	52	/	/	/	/
71	51	56	/	/	/	/
80	54	58	/	/	/	/
90	59	63	40	45	/	/
100	60	65	43	47	/	/
112	62	66	45	50	/	/
132	67	71	52	56	/	/
160	73	77	56	60	/	/
180	73	77	56	60	/	/
200	74	78	56	61	/	/
204	/	/	61	65	62	67
225	/	/	62	66	63	67
249	/	/	62	66	64	69
250	/	/	66	71	68	72
280	/	/	67	71	68	73
315	/	/	68	71	70	74

DIN EN ISO 4871 2009-11/ Hüllfläche nach DIN 45635-38 1986-04 beträgt 42,6m²
DIN EN ISO 4871 2009-11/ enveloping surface DIN 45635-38 1986-04 amounts 42,6m²

mit b-seitigem Referenzlagerschild
with bearing shield of reference on side b
avec de référence flasque latérale b
placa de referencia en el lado b
con targhetta cuscinetti di riferimento lato b

Stand: 21.11.2018

Spannungseinsatzbereich, Baureihe IL / ILI
Range of operating voltage, type IL / ILI
Intervalle de mises sous tension, version IL / ILI
Rango de ajuste de tensión, variante de serie IL / ILI
Campo di applicazione della tensione, serie IL / ILI

Drehstrommotor, zweipolig 3~230V/400V **IL**
Three phase alternating current motor, bipolar 3~230V/400V **IL**
Moteur à courant triphasé, bipolaire 3~230V/400V **IL**
Motor trifásico, dos polos 3~230V/400V **IL**
Motore a corrente trifase, a due poli 3~230V/400V **IL**

Betriebsart Mode Couplage Modo de funcionamiento Modalità operativa	Bg Frame size HA Tamaño mod.	Lüfterdurchmesser Blower diameter Diamètre des ventateurs Diametro del ventatore Diametro del ventatore	Spannungsbereich Range of voltage Plage de tension Rango de tensiones Campo di tensione		Max. zulässiger Strom Max. permissible current Courant max. admissible Corriente máxima permitida Corrente massima consentita		max. Leistungsaufnahme max. power input max. puissance absorbée Consumo máxima de energía Potenza massima assorbita	
		(mm)	50Hz (V)	60Hz	50Hz (A)	60Hz	50Hz (W)	60Hz
1~ ⊥(△)	63	118	230-277	230-277	0,11	0,12	27	32
	71	132	230-277	230-277	0,10	0,12	27	33
	80	150	230-277	230-277	0,11	0,14	29	37
	90	169	220-277	220-277	0,29	0,25	65	65
	100	187	220-277	220-277	0,28	0,30	66	75
	112	210	220-277	220-277	0,28	0,37	71	94
	132	250	230-277	230-277	0,40	0,57	98	149
	160-200	300	230-277	----------	0,97	----------	253	----------
3~ Y	63	118	346-525	380-575	0,07	0,06	28	28
	71	132	346-525	380-575	0,06	0,06	31	29
	80	150	346-525	380-575	0,06	0,06	31	34
	90	169	346-525	380-575	0,22	0,19	91	77
	100	187	346-525	380-575	0,22	0,18	91	87
	112	210	346-525	380-575	0,20	0,18	97	103
	132	250	346-525	380-575	0,33	0,25	124	148
	160-200	300	346-525	380-575	0,5	0,56	247	360
3~△	63	118	200-303	220-332	0,12	0,10	28	28
	71	132	200-303	220-332	0,11	0,10	31	29
	80	150	200-303	220-332	0,11	0,10	31	34
	90	169	200-303	220-332	0,38	0,33	91	77
	100	187	200-303	220-332	0,37	0,31	91	87
	112	210	200-303	220-332	0,35	0,31	97	103
	132	250	200-303	220-332	0,58	0,44	124	148
	160-200	300	200-303	220-332	0,87	0,93	247	360

mit b-seitigem Referenzlagerschild /with bearing shield of reference on side b /avec de référence flasque latérale b / placa de referencia en el lado b /con targhetta cuscinetti di riferimento lato b

Spannungseinsatzbereich, Baureihe IL / ILI
Range of operating voltage, type IL / ILI
Intervalle de mises sous tension, version IL / ILI
Rango de ajuste de tensión, variante de serie IL / ILI
Campo di applicazione della tensione, serie IL / ILI

Drehstrommotor, zweipolig 3~230V/400V **ILI**
Three phase alternating current motor, bipolar 3~230V/400V **ILI**
Moteur à courant triphasé, bipolaire 3~230V/400V **ILI**
Motor trifásico, dos polos 3~230V/400V **ILI**
Motore a corrente trifase, a due poli 3~230V/400V **ILI**

Betriebsart Mode Couplage Modo de funcionamiento Modalità operativa	Bg Frame size HA Tamaño mod.	Lüfterdurchmesser Blower diameter Diamètre des ventilateurs Diametro del ventilatore Diametro del ventilatore	Spannungsbereich Range of voltage Plage de tension Rango de tensiones Campo di tensione		Max. zulässiger Strom Max. permissible current Courant max. admissible Corriente máxima permitida Corrente massima consentita		max. Leistungsaufnahme max. power input max. puissance absorbée Consumo máxima de energía Potenza massima assorbita	
		(mm)	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
			(V)		(A)		(W)	
1~ ⊥(△)	63	118	230-277	230-277	0,18	0,21	46	54
	71	132	230-277	230-277	0,18	0,21	48	56
	80	150	230-277	230-277	0,19	0,22	48	59
	90	169	220-277	220-277	0,29	0,23	59	61
	100	187	220-277	220-277	0,29	0,28	62	73
	112	210	220-277	220-277	0,27	0,36	64	88
	132	250	230-277	230-277	0,52	0,61	125	163
	160-200	300	230-277	230-277	1,05	1,52	246	390
3~ Y	63	118	346-525	380-575	0,09	0,08	28	29
	71	132	346-525	380-575	0,09	0,07	29	28
	80	150	346-525	380-575	0,09	0,07	33	36
	90	169	346-525	380-575	0,22	0,18	78	71
	100	187	346-525	380-575	0,21	0,18	80	80
	112	210	346-525	380-575	0,20	0,17	87	93
	132	250	346-525	380-575	0,37	0,32	160	180
	160-200	300	346-525	380-575	0,74	0,62	314	391
3~△	63	118	200-303	220-332	0,15	0,14	28	29
	71	132	200-303	220-332	0,15	0,13	29	28
	80	150	200-303	220-332	0,16	0,13	33	36
	90	169	200-303	220-332	0,39	0,32	78	71
	100	187	200-303	220-332	0,37	0,30	80	80
	112	210	200-303	220-332	0,35	0,29	87	93
	132	250	200-303	220-332	0,64	0,55	160	180
	160-200	300	200-303	220-332	1,28	1,08	314	391

mit b-seitigem Referenzlagerschild /with bearing shield of reference on side b /avec de référence flasque latérale b / placa de referencia en el lado b /con targhetta cuscinetti di riferimento lato b

27.08.2018, LM

Spannungseinsatzbereich, Baureihe IL / ILI
Range of operating voltage, type IL
Intervalle de mises sous tension, version IL
Rango de ajuste de tensión, variante de serie IL
Campo di applicazione della tensione, serie IL

Drehstrommotor, vierpolig 3~230V/400V**, IL**
Three phase alternating current motor, quadripolar 3~230V/400V**, IL**
Moteur à courant triphasé, quadripolare 3~230V/400V**, IL**
Motor trifásico, cuatro polos 3~230V/400V**, IL**
Motore a corrente trifase, a quattro poli 3~230V/400V**, IL**

Betriebsart / Mode / Couplage / Modo de funcionamiento / Modalità operativa	Bg / Frame size / HA / Tamaño mod.	Lüfterdurchmesser / Blower diameter / Diamètre des ventilateurs / Diametro del ventilatore / Diametro del ventilatore	Spannungsbereich / Range of voltage / Plage de tension / Rango de tensiones / Campo di tensione			Max. zulässiger Strom / Max. permissible current / Courant max. admissible / Corriente máxima permitida / Corrente massima consentita			max. Leistungsaufnahme / max. power input / max. puissance absorbée / Consumo máxima de energía / Potenza massima assorbita		
		(mm)	50Hz	(V)	60Hz	50Hz	(A)	60Hz	50Hz	(W)	60Hz
1~ ⊥(△)	90	169	230-277		230-277	0.16		0.16	40		40
	100	187	230-277		230-277	0.16		0.16	40		41
	112	210	230-277		230-277	0.16		0.16	41		42
	132	250	230-277		230-277	0.28		0.26	61		67
	160-200	300	230-277		230-277	0.45		0.43	93		112
3~ Y	90	169	346-525		380-575	0.10		0.09	51		47
	100	187	346-525		380-575	0.10		0.09	51		48
	112	210	346-525		380-575	0.10		0.09	51		51
	132	250	346-525		380-575	0.21		0.19	81		67
	160-200	300	346-525		380-575	0.35		0.31	118		104
	204-249	375	346-525		380-575	0.35		0.43	170		262
			346-690	*	380-690	0.64		0.44	285		285
	250-450	470	346-525		380-575	0.59		0.83	321		505
			346-690	*	380-690	1.13		0.82	454		540
3~△	90	169	200-303		220-332	0.18		0.16	51		47
	100	187	200-303		220-332	0.17		0.16	51		48
	112	210	200-303		220-332	0.17		0.16	51		51
	132	250	200-303		220-332	0.38		0.33	81		67
	160-200	300	200-303		220-332	0.62		0.54	118		104
	204-249	375	200-400		220-400	1.10		0.76	285		285
			200-400	*	220-400	1.10		0.76	285		285
	250-450	470	200-400		220-400	1.95		1.42	454		540
			200-400	*	220-400	1.95		1.42	454		540

*Variante bis 690V ohne UL-Zulassung
*Version up to 690V without UL-certification

Hinweis: Bg204 > ohne Stufenrohr mit Lüfter 375mm
Bg249 > wie Bg250 jedoch noch mit Lüfter 375mm

20.04.18, LM

Drehstrommotor, vierpolig 3~230V/400V**, ILI**
Three phase alternating current motor, quadripolar 3~230V/400V**, ILI**
Moteur à courant triphasé, quadripolare 3~230V/400V**, ILI**
Motor trifásico, cuatro polos 3~230V/400V**, ILI**
Motore a corrente trifase, a quattro poli 3~230V/400V**, ILI**

Betriebsart / Mode / Couplage / Modo de funcionamiento / Modalità operativa	Bg / Frame size / HA / Tamaño mod.	Lüfterdurchmesser / Blower diameter / Diamètre des ventilateurs / Diametro del ventilatore / Diametro del ventilatore	Spannungsbereich / Range of voltage / Plage de tension / Rango de tensiones / Campo di tensione			Max. zulässiger Strom / Max. permissible current / Courant max. admissible / Corriente máxima permitida / Corrente massima consentita			max. Leistungsaufnahme / max. power input / max. puissance absorbée / Consumo máxima de energía / Potenza massima assorbita		
		(mm)	50Hz	(V)	60Hz	50Hz	(A)	60Hz	50Hz	(W)	60Hz
1~ ⊥(△)	90	169	230-277		230-277	0,16		0,16	40		40
	100	187	230-277		230-277	0,17		0,17	41		41
	112	210	230-277		230-277	0,17		0,17	42		43
	132	250	230-277		230-277	0,33		0,23	48		53
	160-200	300	230-277		230-277	0,34		0,29	59		71
3~ Y	90	169	346-525		380-575	0,10		0,09	51		47
	100	187	346-525		380-575	0,10		0,09	55		53
	112	210	346-525		380-575	0,10		0,10	56		56
	132	250	346-525		380-575	0,24		0,21	67		55
	160-200	300	346-525		380-575	0,25		0,21	84		86
	204-249	375	346-525		380-575	0,31		0,34	154		223
			346-690	*	380-690	0,53		0,36	238		247
	250-450	470	346-525		380-575	0,42		0,61	254		396
			346-690	*	380-690	0,77		0,61	330		415
3~△	90	169	200-303		220-332	0,18		0,16	51		47
	100	187	200-303		220-332	0,17		0,16	55		53
	112	210	200-303		220-332	0,17		0,16	56		56
	132	250	200-303		220-332	0,42		0,36	67		55
	160-200	300	200-303		220-332	0,43		0,37	84		86
	204-249	375	200-400		220-400	0,91		0,62	238		247
			200-400	*	220-400	0,91		0,62	238		247
	250-450	470	200-400		220-400	1,34		1,06	330		415
			200-400	*	220-400	1,34		1,06	330		415

*Variante bis 690V ohne UL-Zulassung
*Version up to 690V without UL-certification

Hinweis: Bg204 > ohne Stufenrohr mit Lüfter 375mm
Bg249 > wie Bg250 jedoch noch mit Lüfter 375mm

mit b-seitigem Referenzlagerschild
with bearing shield of reference on side b
avec de référence flasque latérale b
placa de referencia en el lado b
con targhetta cuscinetti di riferimento lato b

20.04.18, LM