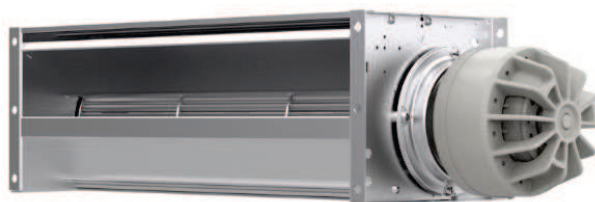


Movement by Perfection



The Royal League in ventilation, control and drive technology



Product documentation

Type
QK10A-4EM.48.CD

Article number
106790

Beijing Hengrui Mechanical and Electrical Equipment Co.,Ltd
+86 10-62547612
zhangyu@bjhengrui.cn
en.bjhengrui.com

1. Recitals

The Product Specifications contained in this document are final, unless otherwise stated by a separate provision in the "ZIEHL-ABEGG deviation list document" with respect to information provided by the customer (cp. separate Chapter: Attachment).

Other regulations between the parties, regardless of time, form or content, are not part of the subject matter of the contract and the agreement on characteristics/of features (Product Specifications) between the parties.

Compliance with the following specifications is mandatory to ensure the functionality and safety of the product. If the following specifications given especially but not limited for operating conditions, transport, storage, mounting, start-up, maintenance and repair are not observed, the product may not operate safely and may cause a hazard to the life and limb of users and third parties.

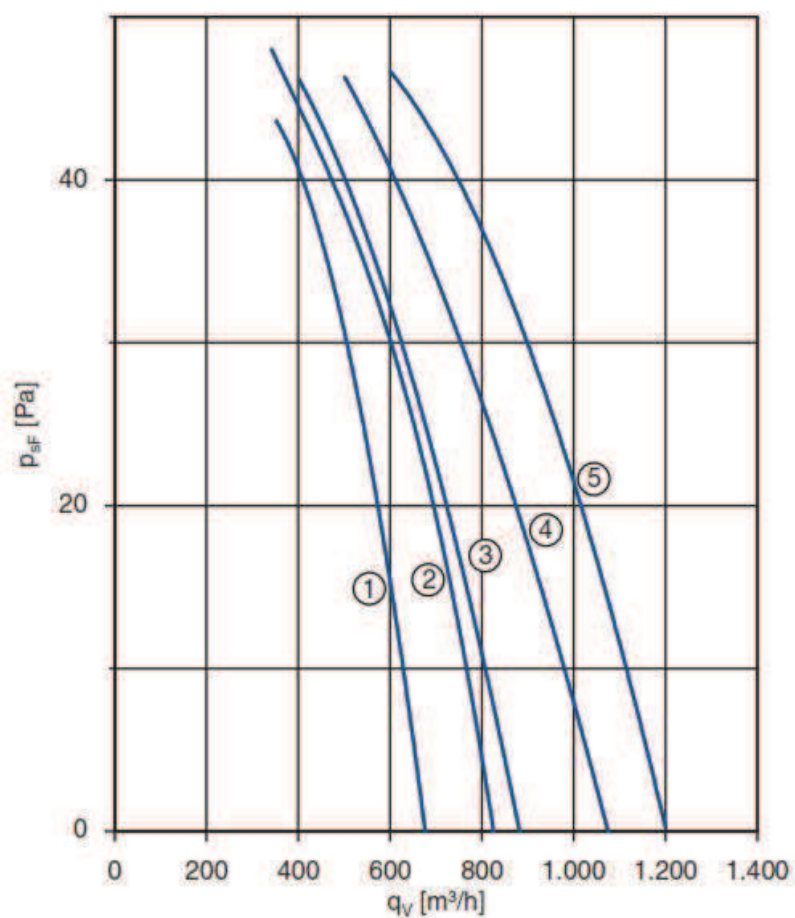
Deviations from the following requirements may therefore lead both to the loss of the statutory material defect liability rights and to the liability of the buyer for the product that has become unsafe due to the deviation from the specifications.

2. Product specification - Technical data

Article number	106790
Type	QK10A-4EM.48.CD
Designation	
Rated values	1~230V±10% 50Hz P ₁ 0,08 (W)W 0.34A 1140/min 2.0uF/400V 1~230V±10% 60Hz P ₁ 0,09 (W)W 0.45A 1230/min
Electrical connection	
ErP Data	Not subject to the regulations of ErP directive (P ₁ < 125 W)
Thermal class	Thermal class 130
Cable length	Cable length: 30 cm as of motor flange
Connection diagram	1360-161XA
Fitting position	H
Quality of bearings	standard lubrication
Material impeller	Impeller made of aluminium
Weight	4.80 kg

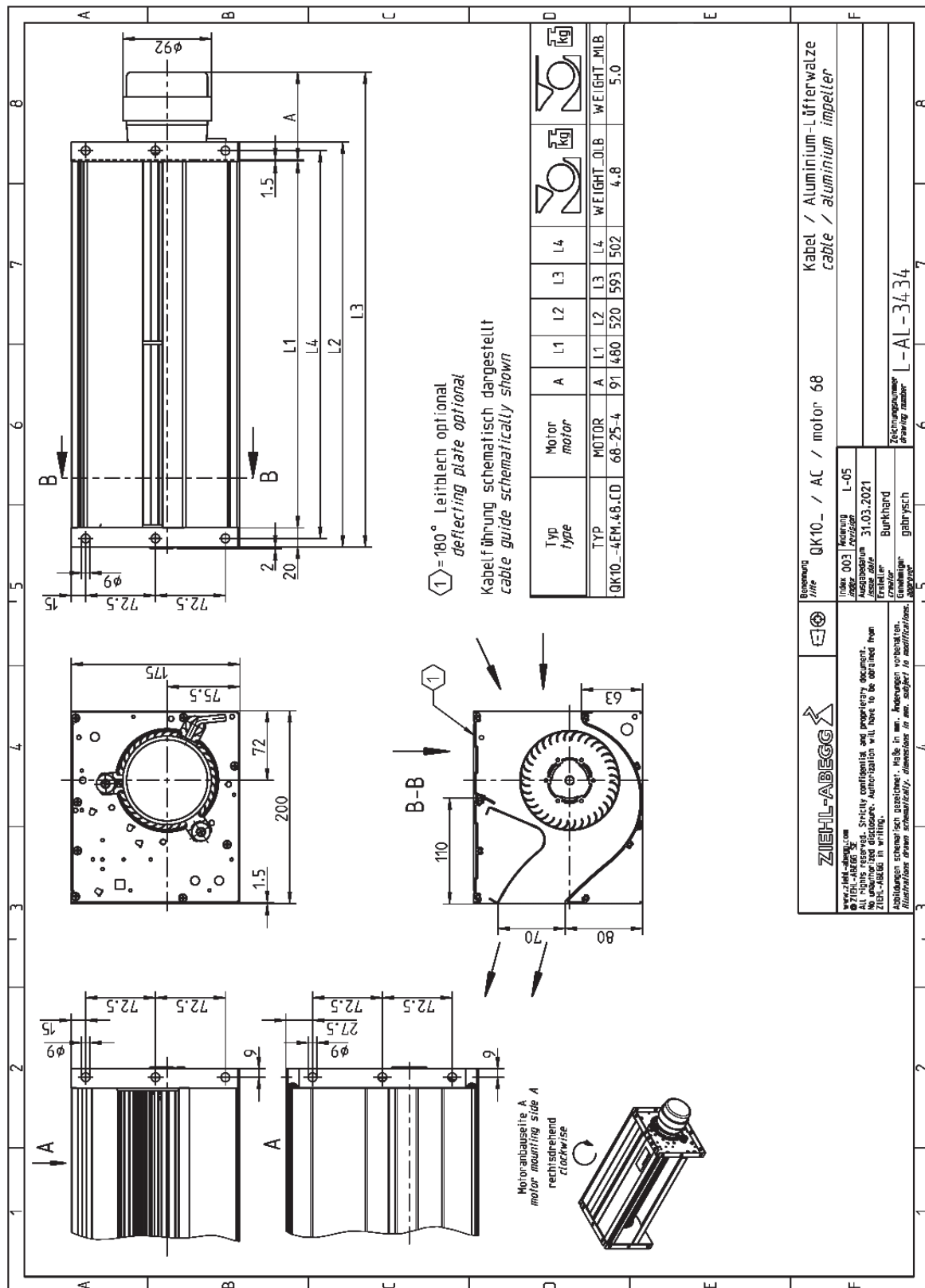
3. Characteristic curve

Curve 2 @ 50Hz



Ventilator-Typ Fan type	U V	f Hz	P ₁ W	I A	n min ⁻¹	C μF	q _V m³/h	L _{WA} dB(A)	R / P _R Ω / W
QK10A-4EM.48.CD ②	230	50 60	80 90	0,35 0,45	1140 1230	2	820 880	62 66	1200/40

4. Drawing



Dimensions in mm

The illustrations shown make no claim to completeness and are for orientation purposes only.

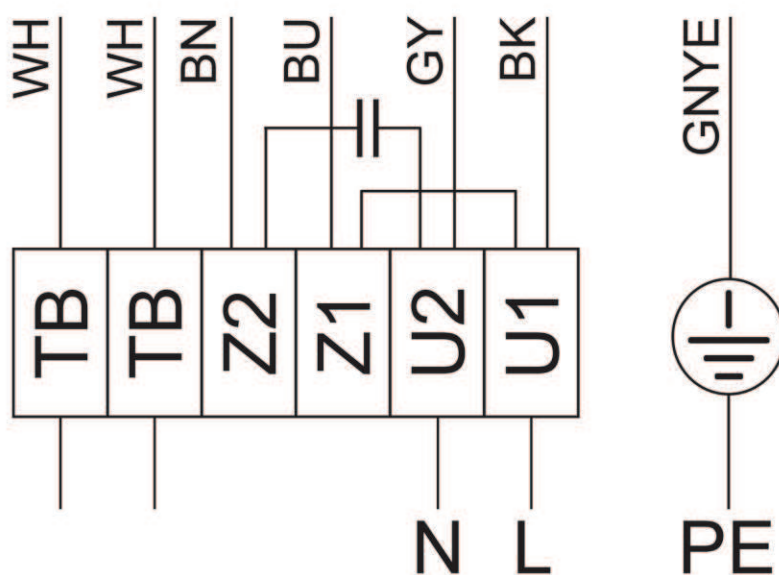


5. Connection diagram

1~ Motor mit Kondensator und
Thermostatschalter (falls eingebaut).
1~ motor with capacitor and thermostatic
switch (if built in).

161XA-03

Rechtslauf
Clockwise rotation



WH	-	weiß, white
BN	-	braun, brown
BU	-	blau, blue
GY	-	grau, grey
BK	-	schwarz, black
GNYE	-	grün-gelb, green-yellow

6. EU-Declaration of conformity

EU declaration of conformity

- Translation -
(english)

ZA75-GB 2044 Index 016

Manufacturer:
ZIEHL-ABEGG SE
Heinz-Ziehl-Straße
74653 Künzelsau
Germany

The manufacturer is solely responsible for issuance of the declaration of conformity.

The products:

- External rotor motor MK..., MW..
- Axial fan DN..., FA..., FB..., FC..., FE..., FF..., FG..., FH..., FL..., FN..., FS..., FT..., FV..., VN..., VR..., ZC..., ZF..., ZG..., ZN..
- Centrifugal fan ER..., GR..., HR..., RA..., RD..., RE..., RF..., RG..., RH..., RK..., RM..., RR..., RZ..., WR..
- Cross-flow fan QG..., QK..., QR..., QT..

The motor type:

- Asynchronous internal or external rotor motor
- Asynchronous internal or external rotor motor with integrated frequency inverter
- Electronically commutated internal or external rotor motor
- Electronically commutated internal or external rotor motor with integrated EC controller

These products comply with the following EU directives:

- EMC Directive 2014/30/EU
- Low Voltage Directive 2014/35/EU
- ErP Directive 2009/125/EC, in conjunction with Regulation (EU) no. 327/2011

The following harmonised standards have been used:

- EN 60034-1:2010 + AC:2010
- EN 60204-1:2006 + A1:2009 + AC:2010
- EN 60529:1991 + A1:2000 + A2:2013 + AC:1993 + AC:2016 + AC:2019
- EN 61000-6-2:2005 + AC:2005
- EN 61000-6-3:2007 + A1:2011 + AC:2012

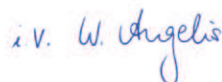
Compliance with the ErP Directive 2009/125/EC does not refer to external rotor motors MK..., MW..

All ErP-relevant information comprises measurements which are determined using a standardised measurement set-up. More details can be obtained from the manufacturer.

Compliance with the EMC Directive 2014/30/EU refers only to those products when they are connected by mounting / operating instructions. If these products are integrated into a system or supplemented with other components (e.g. sensing controls) and operated, the manufacturer or operator is responsible of the overall system for compliance with the EMC Directive 2014/30/EU.

Künzelsau, 28.10.2020
(location, date of issue)

ZIEHL-ABEGG SE
Dr. W. Angelis
Head of Technics Ventilation Technology
(name, function)



(signature)

ZIEHL-ABEGG SE
Dr. D. Kappel
Head of Electrical Systems
(name, function)



(signature)



EC Declaration of Incorporation

- Translation -
(english)

as defined by the EC Machinery Directive 2006/42/EC, Annex II B

ZA87-GB 2044 Index 009

The design of the incomplete machine:

- Axial fan DN..., FA..., FB..., FC..., FE..., FF..., FG..., FH..., FL..., FN..., FS..., FT..., FV..., VN..., VR..., ZC..., ZF..., ZG..., ZN...
- Centrifugal fan ER..., GR..., HR..., RA..., RD..., RE..., RF..., RG..., RH..., RK..., RM..., RR..., RZ..., WR...
- Cross-flow fan QD..., QG..., QK..., QR..., QT...

Motor type:

- Asynchronous internal or external rotor motor (also with integrated frequency inverter)
- Electronically commutated internal or external rotor motor (also with integrated EC controller)

complies with the requirements in Appendix I, Articles 1.1.2, 1.1.5, 1.4.1, 1.5.1 in EG Machinery Directive 2006/42/EG.

The manufacturer is

ZIEHL-ABEGG SE
Heinz-Ziehl-Strasse
D-74653 Künzelsau

The following harmonised standards have been used:

EN 60204-1:2006 + A1:2009 + AC:2010	Safety of machinery; electrical equipment of machines; Part 1: General requirements
EN ISO 12100:2010	Safety of machinery - General principles for design - Risk assessment and risk reduction
EN ISO 13857:2008	Safety of machinery; safety distances to prevent danger zones being reached by the upper limbs
Note:	The maintenance of the EN ISO 13857:2008 relates only to the installed accidental contact protection, provided that it is part of the scope of delivery.

The specific technical documentation in accordance with Appendix VII B has been written and is available in its entirety.

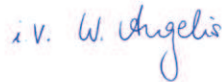
The person authorised for compiling the specific technical documentation is: Dr. W. Angelis, address see above.

The specific documentation will be transmitted to the official authorities on justified request. The transmission can be electronic, on data carriers or on paper. All industrial property rights remain with the above-mentioned manufacturer.

It is prohibited to commission this incomplete machine until it has been secured that the machine into which it was incorporated complies with the stipulations of the EC Machinery Directive.

Künzelsau, 28.10.2020
(location, date of issue)

ZIEHL-ABEGG SE
Dr. W. Angelis
Head of Technics Ventilation Technology
(name, function)



(signature)

ZIEHL-ABEGG SE
Dr. D. Kappel
Head of Electrical Systems
(name, function)



(signature)

ZIEHL-ABEGG 



The Royal League in ventilation, control and drive technology

Intelligent control technology for any application

ZIEHL-ABEGG system capabilities:
Everything from a single source – perfectly matched for optimal performance

Please contact us. We would be pleased to design an individual solution for your requirements.

We would like to welcome you on our worldwide exhibitions. Please find our next exhibitions [here](#).