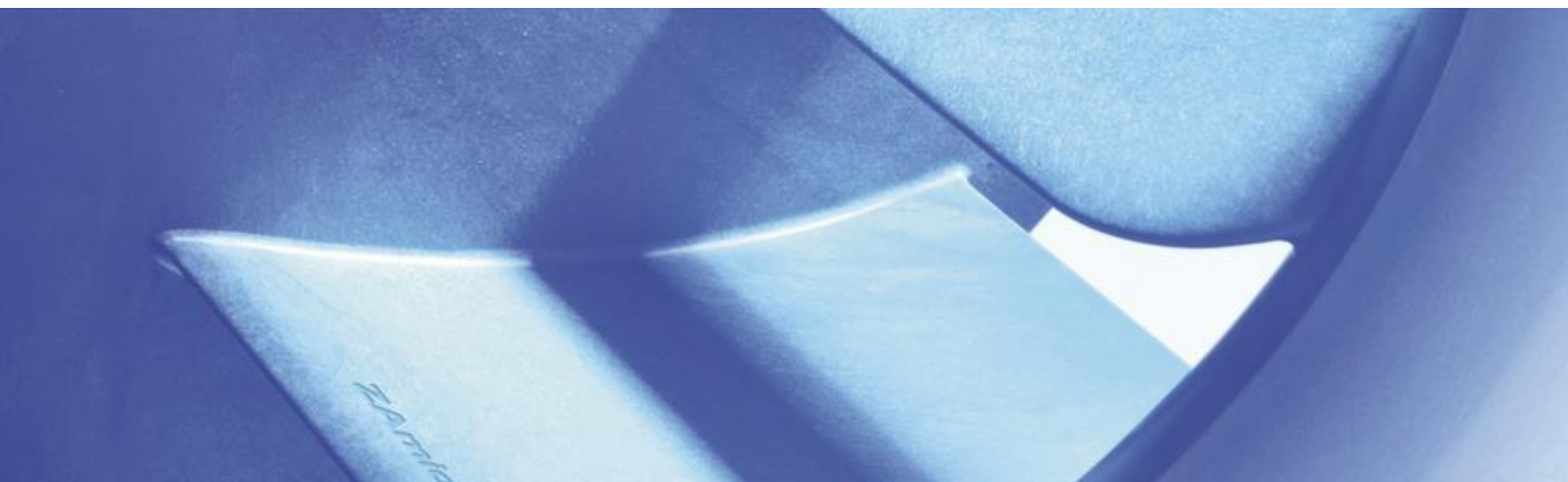
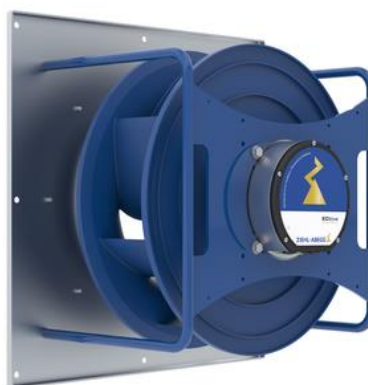


Movement by Perfection



The Royal League in ventilation, control and drive technology



[Product documentation](#)

Type  
**GR35C-ZID.DC.CR**

Article number  
**115939**

## Product documentation

Customer  
Airefrig Australia

ZIEHL-ABEGG Contact  
Sam Bhattarai

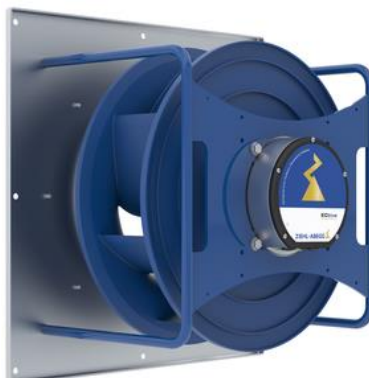
Project  
Spare parts

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Type  
GR35C-ZID.DC.CR

Article number  
115939



### Contents

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2.	Characteristic Curve	4
3.	Drawing	5
4.	Connection diagram	6
5.	EU-Declaration of conformity	7

## 1. Product specification - Technical data

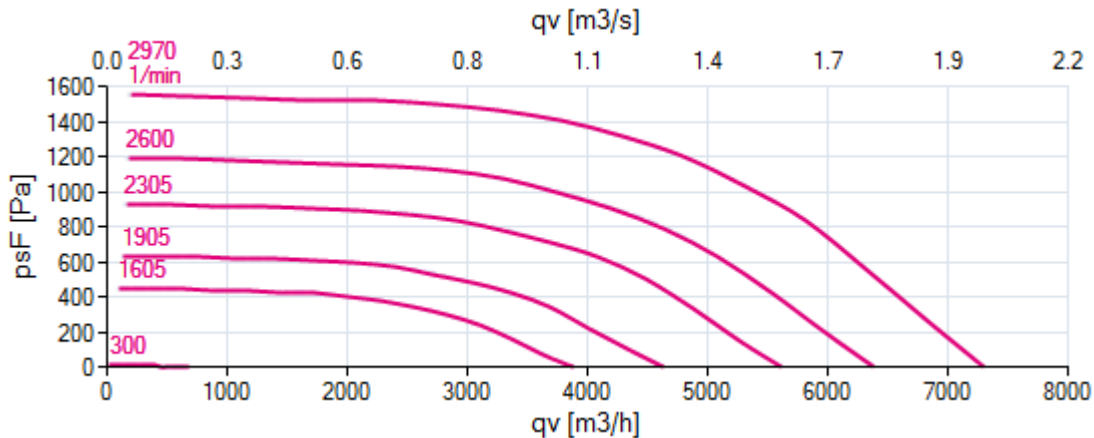
Article number	115939
Type	GR35C-ZID.DC.CR
Designation	Ventilation unit with impeller with backward curved blades.
Rated values	3~380-480V 50/60Hz P <sub>1</sub> 2.50kW 4.00-3.20A 2970min <sup>-1</sup> 50°C
Electrical connection	Integrated controller
ErP Data	Efficiency $\eta_{statA}$ : 68.6 % Efficiency grade: N <sub>actual</sub> = 74.9 / N <sub>target</sub> = 62* *tErP 2015
Min. operating temperature	-20°C
Thermal class	Thermal class 155
Control	ECblue basic
Painting stator	Stator with 1 coatpaint
coating rotor	Rotor with 1 coatpaint
Colour sheet stator	RAL 9005 (jet black)
Colour sheet rotor	RAL 5002 (ultramarine blue)
Material impeller	Impeller made of ZAMid
Painting impeller	unpainted
Colour impeller	like RAL 5002 (ultramarine blue)
Connection diagram	1360-403
Installation position	Fitting position H/Vu/Vo
Motor protection	integrated active temperaturemanagement
Type of protection	IP54
Impregnation	Moisture and hot climate protection
Inlet cone	Inlet nozzle with measuring device for volume flow measureme
Quality of bearings	ball bearing with long-time lubrication
Support plate suction	Fan dimension suction side 500x500mm
Support plate motor	370x370
Labelling UL/CSA	E213826 ZB-155
Other	Connecting elements made of stainless steel.
Painting motor	Stator/rotor separately
Colour motor	Stator/rotor separately
Balance quality	G 6,3
Weight	20.00kg

## 2. Characteristic Curve

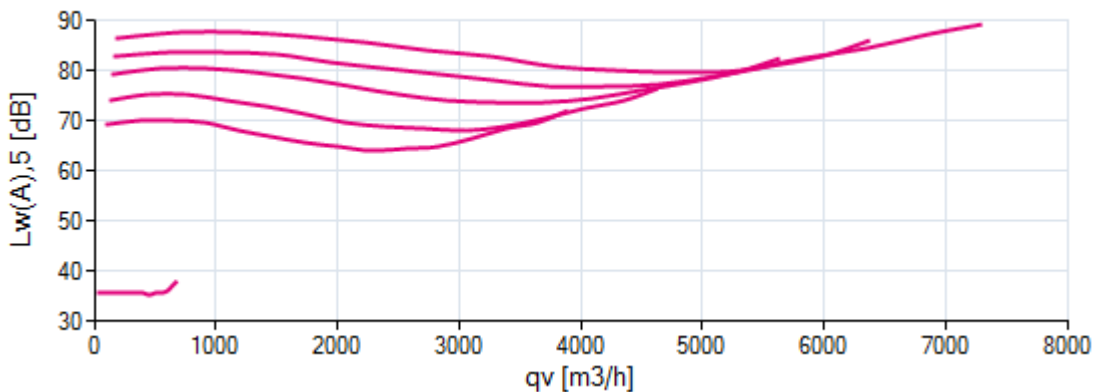
GR35C-ZID.DC.CR  
3~ 400V 50Hz

measured in standard nozzle in installation type A according to ISO 5801  
measurement density 1,16 kg/m<sup>3</sup>

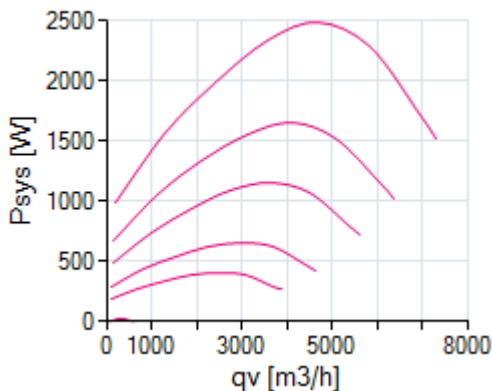
### Air performance



### Acoustics



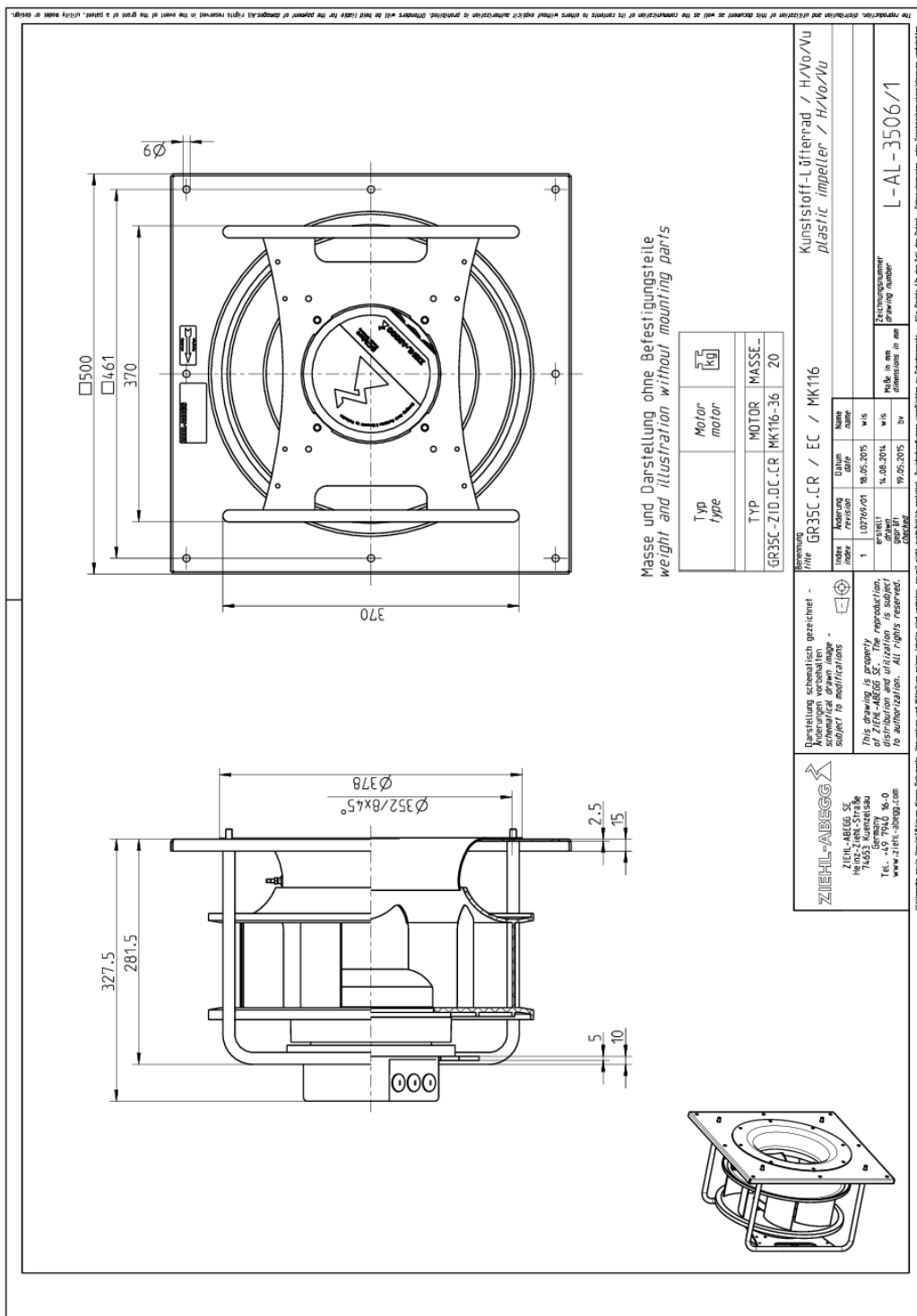
### Power input



Please note: It's not allowed to use this fan in the stall area!\*

\*In doubt please ask your responsible ZIEHL-ABEGG sales contact.

### 3. Drawing

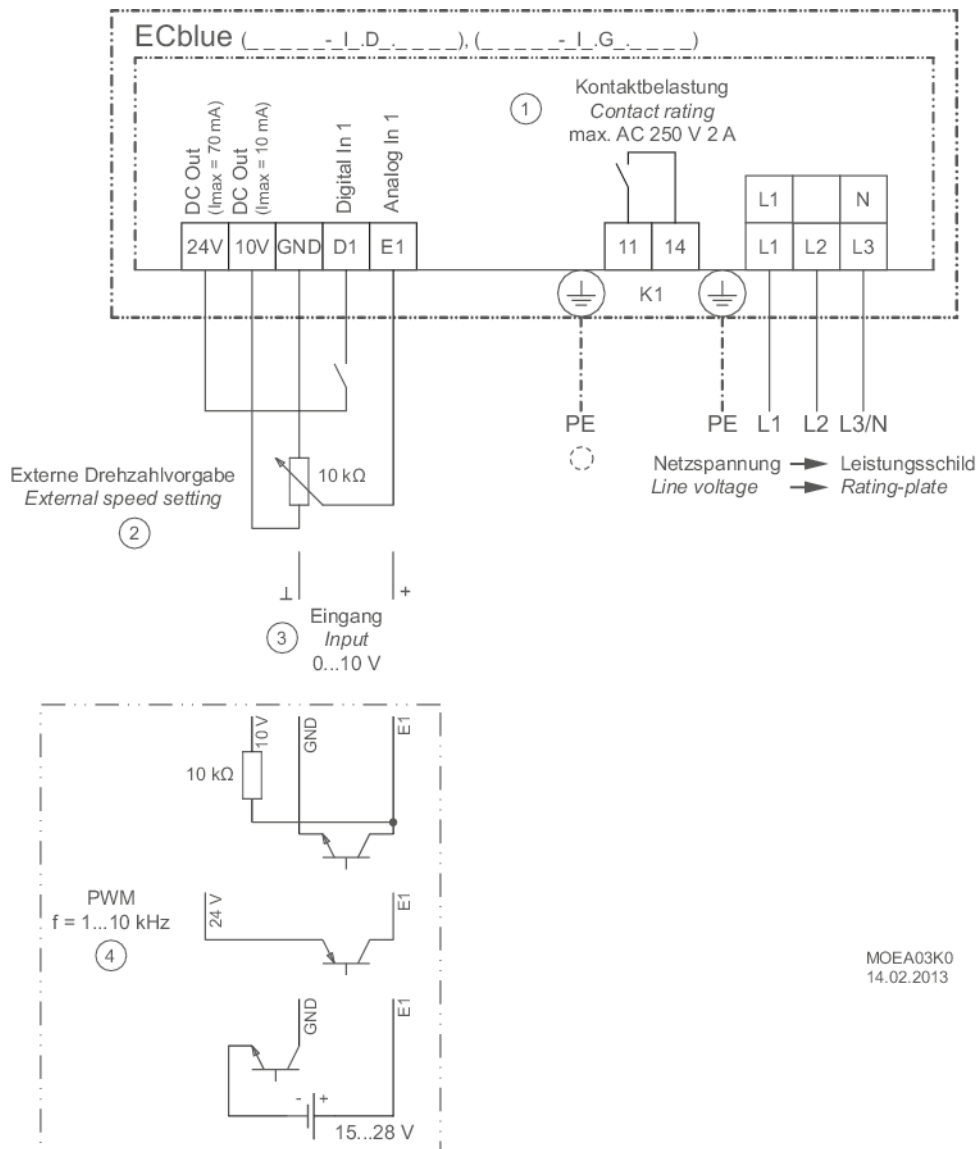


Dimensions in mm

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

### 4. Connection diagram

1360-403



## 5. EU-Declaration of conformity

### EU declaration of conformity

- Translation -  
(english)

ZA75-GB 1910 Index 015

**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..., 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 + Cor.:2010                      EN 61000-6-3:2007 + A1:2011 + AC:2012  
EN 60204-1:2006 + A1:2009 + AC:2010                      EN 61000-6-2:2005 + AC:2005  
EN 60529:1991 + A1:2000 + A2:2013

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, 05.03.2019  
(location, date of issue)

ZIEHL-ABEGG SE  
Dr. W. Angelis  
Technical Director Air Movement Division  
(name, function)



(Signature)

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



(Signature)





### EC Declaration of Incorporation

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

The design of the incomplete machine:

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

Motor type:

- Induction 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.

Manufacturer

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

The following harmonised standards have been used:

EN 60204-1:2006+A1:2009	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, 12.12.2017

Dr. W. Angelis - Technical Director Ventilation Division

*Dr. W. Angelis*

ZAZA87-GB-1750 Index 007

1

english

ZIEHL-ABEGG 

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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

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