

# 1. Product specification

## Technical data

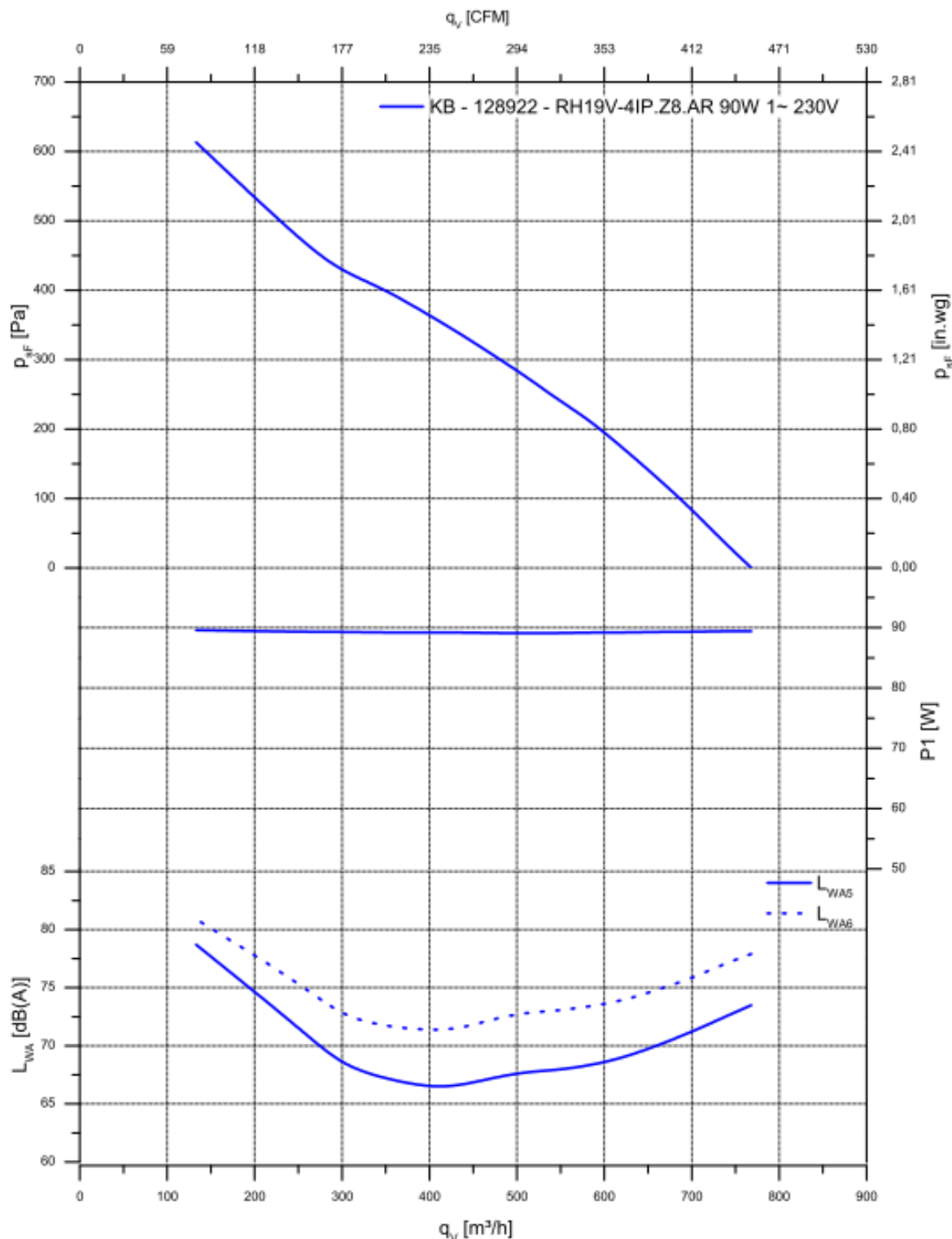
Article number	178184
Type	RH19V-4IP.Z8.AR
Designation	Single inlet impeller with backward curved blades.
Rated values	1~200-240V 50/60Hz P <sub>1</sub> 90W 0,90-0,76A 3240min <sup>-1</sup> 60°C
Electrical connection	Integrated controller with variable attached cable 3x 0,52 mm <sup>2</sup> und 4x 0,325 mm <sup>2</sup> x 50cm
Min. operating temperature °C	-30***
Control	ECblue basic+RPM-regulated
Cable quality	PVC
Painting stator	Stator unpainted
coating rotor	Rotor with 2 coatpaint
Colour sheet rotor	1K RAL 5002 (ultramarine blue)
Material impeller	Impeller made of High Performance Composite Material
Painting impeller	unpainted
Colour impeller	like RAL 5002 (ultramarine blue)
Connection diagram	1360-404
Installation position	H/Vu/Vo
Motor protection	integrated active temperaturemanagement
Type of protection	IP54
Thermal class	Thermal class 155
Impregnation	Moisture and hot climate protection
Balancing	6,3
Quality of bearings	ball bearing with long-time lubrication
Weight kg	1,30
ErP Data	Not subject to the regulations of ErP directive (P <sub>1</sub> < 125 W)

\*\*\* Occasional operation ≤ -20°C and in consideration of lowest temperature according to product documentation permissible. For cooling applications with continuous operation ≤ -20°C cold design on request.

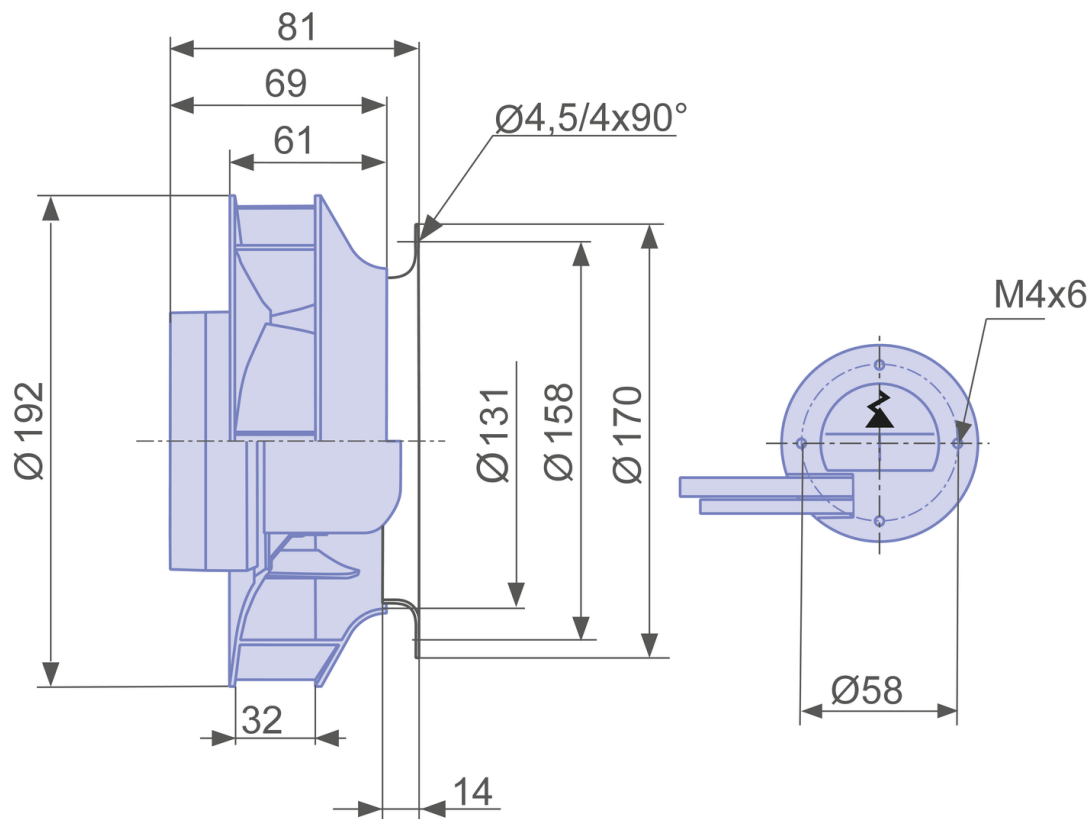
### 2. Characteristic Curve

RH19V-4IP.Z8.AR  
1~ 230V 50Hz

Pomiar z dyszą standardową, z kierunkiem A wg ISO 5801  
Messdichte 1,16



### 3. Drawing



L-KL-3694-02

Dimensions in mm

Shown drawing is just to show the dimensions of the fan.

### 4. EU-Declaration of conformity

#### EC-Declaration of conformity

- Translation -  
(english)

ZA75-GB 1616 Index 011  
00285644-GB

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

#### The engine type:

- Asynchronous internal or external rotor motor
- Asynchronous internal or external rotor motor with integrated frequency inverter, except EDP system
- Electronically commutated (EC) internal or external rotor motor
- Electronically commutated internal or external rotor motor with integrated EC Controller, except EDP system

#### 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 harmonized standards are in use:

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 (eg. sensing controls) and operated , the manufacturer or operator is responsible of the overall system for compliance with the EMC Directive 2014/30 / EU .

Künzelsau, 20.04.2016  
(Location, date of issue)

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



(Signature)

**ZIEHL-ABEGG** 

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