

Movement by Perfection



The Royal League in **ventilation**, control and drive technology



[Документация по вентилятору](#)

Типоразмер
FC091-SDS.7Q.V7

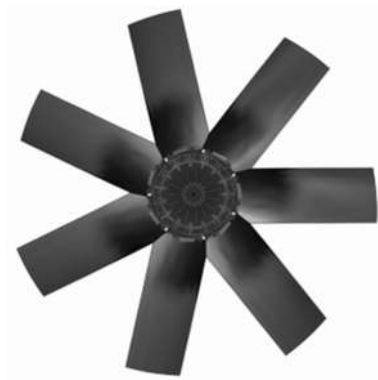
Артикульный номер
107146

Документация по продукту

Филиал компании ZIEHL-ABEGG
Russia
ООО ZIEHL-ABEGG
www.ziehl-abegg.ru

Типоразмер
FC091-SDS.7Q.V7

Артикульный номер
107146



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1. Спецификация продукта - Технические данные

Артикульный номер	107146
Типоразмер	FC091-SDS.7Q.V7
Описание	Axial fan with diecast blades
Номинальные значения	3~400V±10% D/Y 50Hz P ₁ 3,60/2,50kW 7.20/ 4.30A ΔI=5% 890/ 700/min COSY 0,72 60°C
Электрическое подключение	Terminal box K07
Мин. допустимая температура перемещаемой среды °C	-40***
Тип установки клеммной коробки	Mounted on Stator
Степень защиты	IP 54
Класс нагревостойкости изоляции	THCL 155
Connection diagram	1360-108XA
Табличка с тех. данными	1x fixed
Fitting position	H/Vu/Vo
Защита электродвигателя	Контакт теплового реле
Пропитка	Moisture and hot climate protection
Качество подшипников	ball bearing with long-time lubrication
Материал ротора	Алюминий
Покрытие ротора	Rotor 1 coat painted
colour rotor	RAL 9005 (jet black)
Материал лопастей	Алюминий
Покрытие импеллера	1 coat painted
Colour blades	RAL 9005 (jet black)
Тип защитной решетки	ring grill
Control	--
Покрытие подвески двигателя	Motor suspension 1 coat paint
Цвет подвески	RAL 9005 (jet black)
Вес кг	52,90
директивы ErP	Efficiency η_{statA} : 38,3 % Efficiency grade: $N_{actual} = 41,2 / N_{target} = 40^*$ *ErP 2015

*** Operation mode:

Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02.

Occasional starting between -40 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

Permissible minimum and maximum ambient temperature for operation:

Please refer to the technical documentation of the product for the minimum and maximum ambient temperature valid for the respective fan. Operation below -25 °C as well as partial load operation for refrigeration applications is only possible with special bearings for refrigeration applications on request.

If special bearings for refrigeration applications are installed in the fan, please observe the permissible maximum temperatures in the technical documentation of the product.

Ball-bearing service life:

The according to standard calculation methods determined bearing service life expectation of the motor-integrated ball bearings is mainly determined by the grease service life F10h and amounts for standard application to approx. 30.000 – 40.000 operating hours. The fan is maintenance-free due to the use of ball bearings with "lifetime lubrication". Once the grease operating life F10h has been reached, it may be necessary to replace the bearing. The bearing service life expectation may change compared to the specified value, if operating conditions such as increased vibrations or shocks, increased or too low temperatures, humidity, dirt in the ball bearing or unfavourable control modes are present. A service life calculation for special applications can be provided on request.

4. Схема электрических соединений

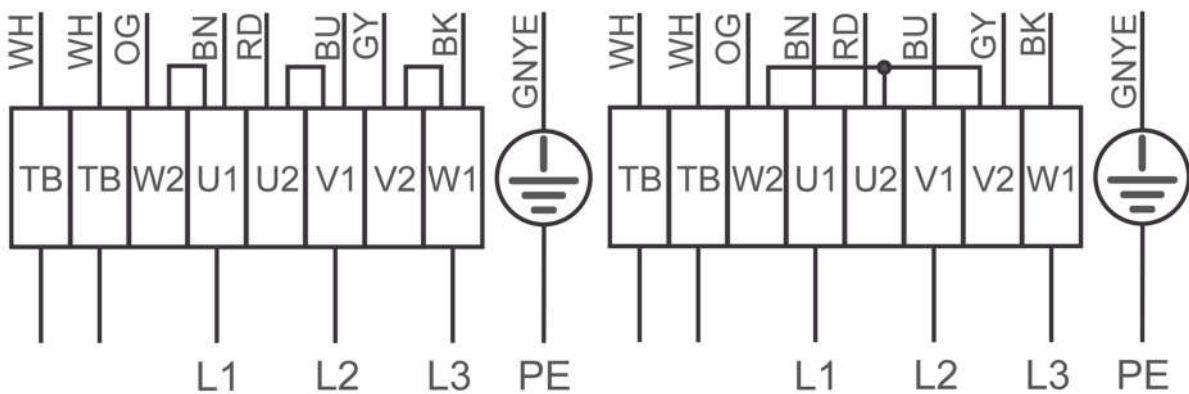
1360-108XA

3~ motor, 2 speeds (Δ/Y switch over) with thermostatic switch (if built in). Without bridge when using speed change-overswitch.

BN brown
BU blue
BK black
RD red
GY grey
OG orange
WH white
GNYE green-yellow

High speed/D-connection

Low speed/Y-connection



5. ЕС-сертификат соответствия

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)

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](#).