1. Especificación de producto

Datos técnicos

N.° de artículo	153540
Tipo	FN050-4DK.4I.V7P1
Denominación	Axial fan with sickle blades
Datos de medición	3~230/400V±10% D/Y 50Hz P_1 0,77kW 2.95/ 1.70A ΔI=0% 1300/min COSY 0,64 70°C 3~230/400V±10% D/Y 60Hz P_1 1,10kW 3,30/ 1,90A ΔI=0% 1400/min COSY 0,81 70°C 3~265/460V±10% D/Y 60Hz P_1 1,20kW 3,50/ 2,00A ΔI=0% 1480/min COSY 0,76 70°C
Conexión eléctrica	Terminal box K62
Temperatura mínima de funcionamiento °C	-40***
Tipo de montaje de la caja de bornas	Mounted on Stator
Tipo de protección	IP54
Clase de aislamiento térmico	THCL155
Diagrama de conexiones	1360-106XA
Placa de características	1x fixed
Posición de montaje	H/Vu/Vo
Protección del motor	thermal contact
Impregnación	Moisture and hot climate protection
Calidad de los rodamientos	ball bearing with long-time lubrication
Material del rotor	Aluminium
Pintura del rotor	unpainted
Material de las palas	Aluminium
Pintura del rodete	unpainted
Tipo de rejilla	ring grill
Control	--
Otro	All connecting elements in stainless steel.
Pintura de la suspensión del motor	Motor suspension powder-coated consistency class 2
Color de la suspensión	RAL 9005 (jet black)
Peso kg	13,30
Datos ErP	Efficiency η_{statA}: 33,4 % Efficiency grade: N_{actual} = 40,7 / N_{target} = 40* *ErP 2015

*** 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. Curva característica

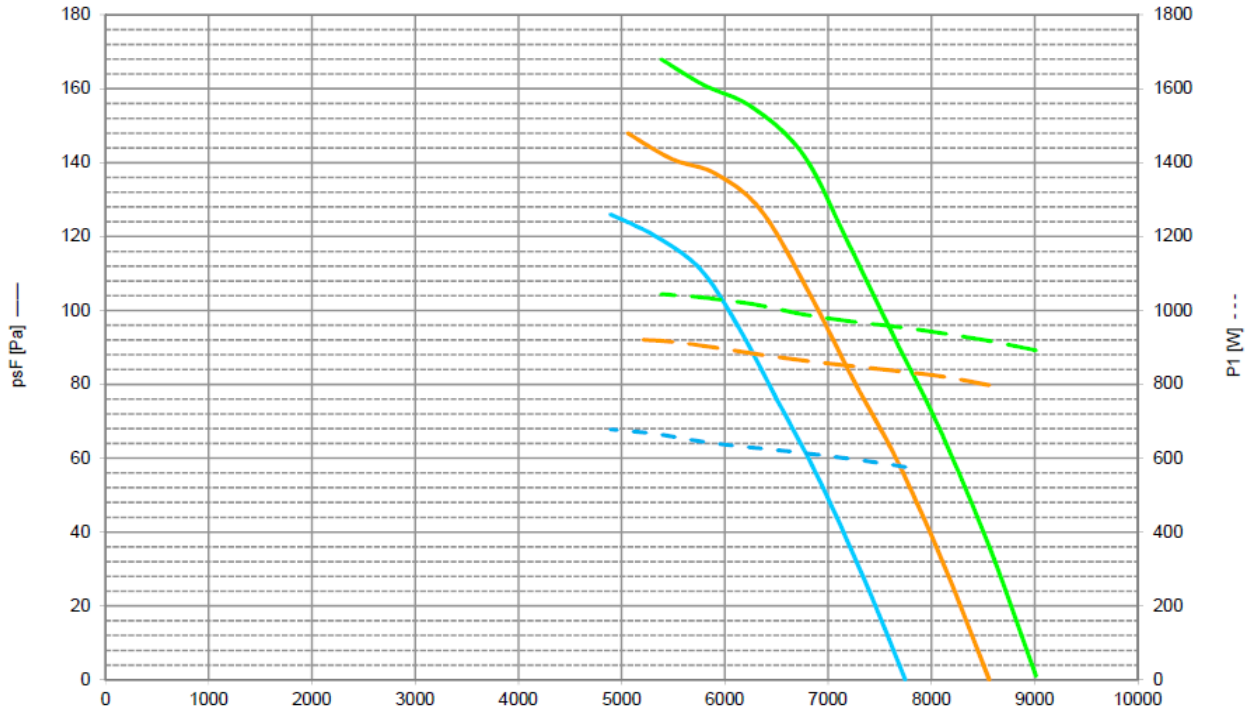
FN050-4DK.4I.V7P1

Beschreibung / Description
Typ: FN050-4DK.4I.V7P1
3~ 230/400V ±10% D/Y 50Hz P1 0,77kW
2,95/1,7A DI=0% 1300/MIN COSY 0,64 70°C
3~ 230/400V ±10% D/Y 60Hz P1 1,1kW
3,3/1,9A DI=0% 1400/MIN COSY 0,81 70°C
3~ 265/460V ±10% D/Y 60Hz P1 1,2kW
3,5/2,0A DI=0% 1480/MIN COSY 0,76 70°C
IP54 THCL 155

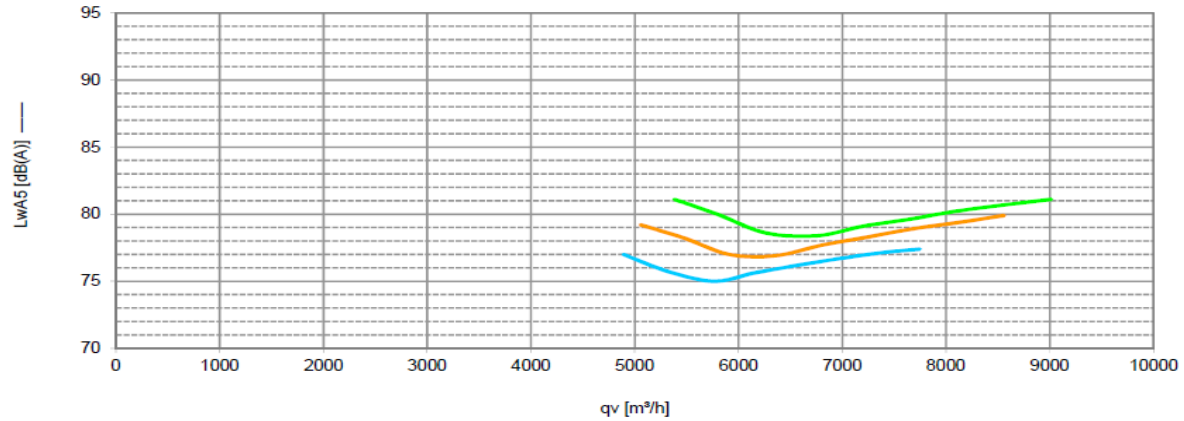
Messaufbau / Assembling:
Ventilator montiert in Kurzdüse mit druckseitigem Berührschutzgitter.
Fan measured in short bell mouth with guard grille on pressure side.

Legende / Legend
B) 3~ 230/400V 50Hz D/Y [ID 71773]
D) 3~ 230/400V 60Hz D/Y [ID 71774]
F) 3~ 265/460V 60Hz D/Y [ID 71775]
Gemessen mit üblichen Toleranzen / Measured with normal tolerances

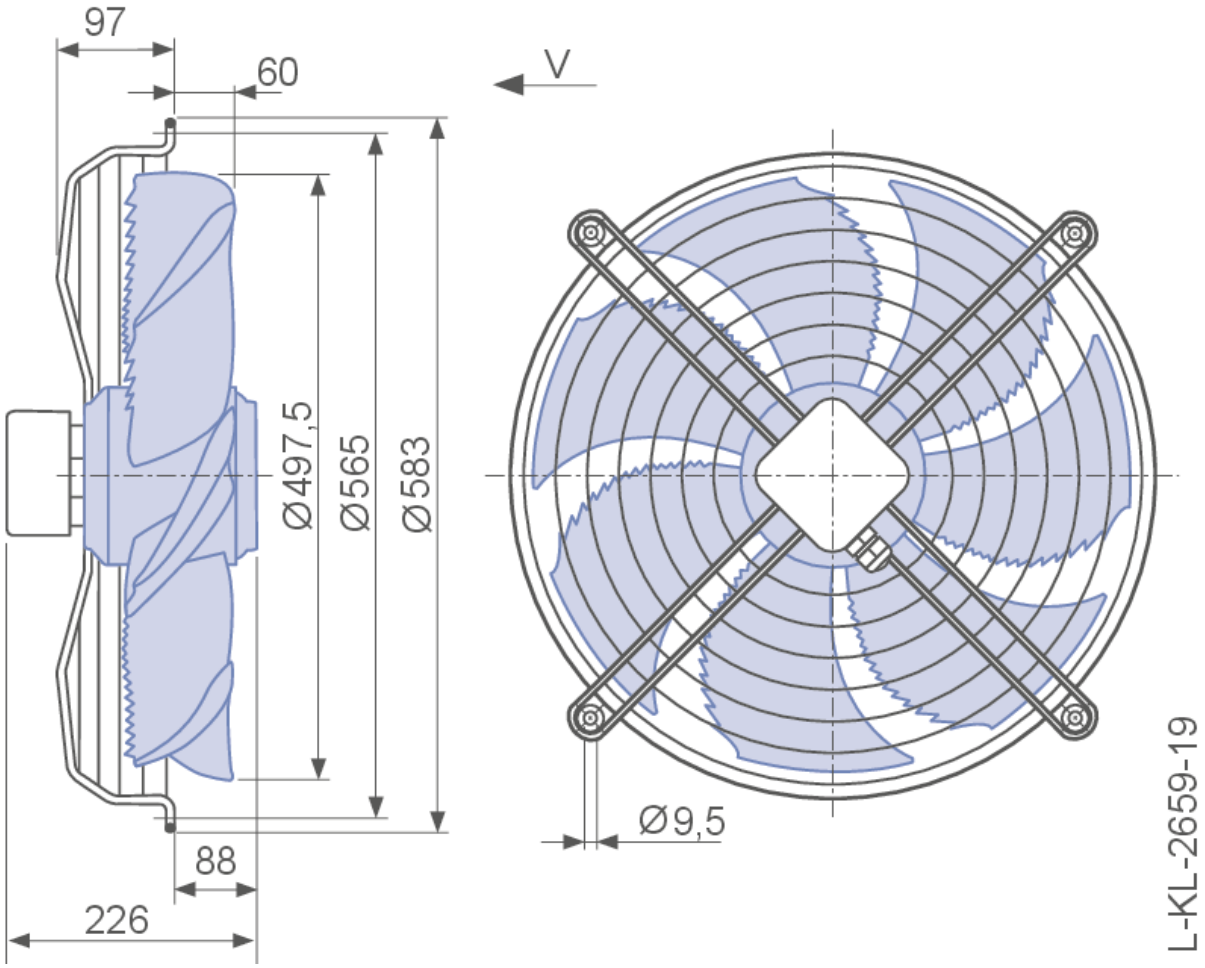
1. Diagramm / Chart : Volumenstrom - Druckerhöhung - elektr. Leistungsaufnahme / Airflow - Pressure - Electr. Power Input

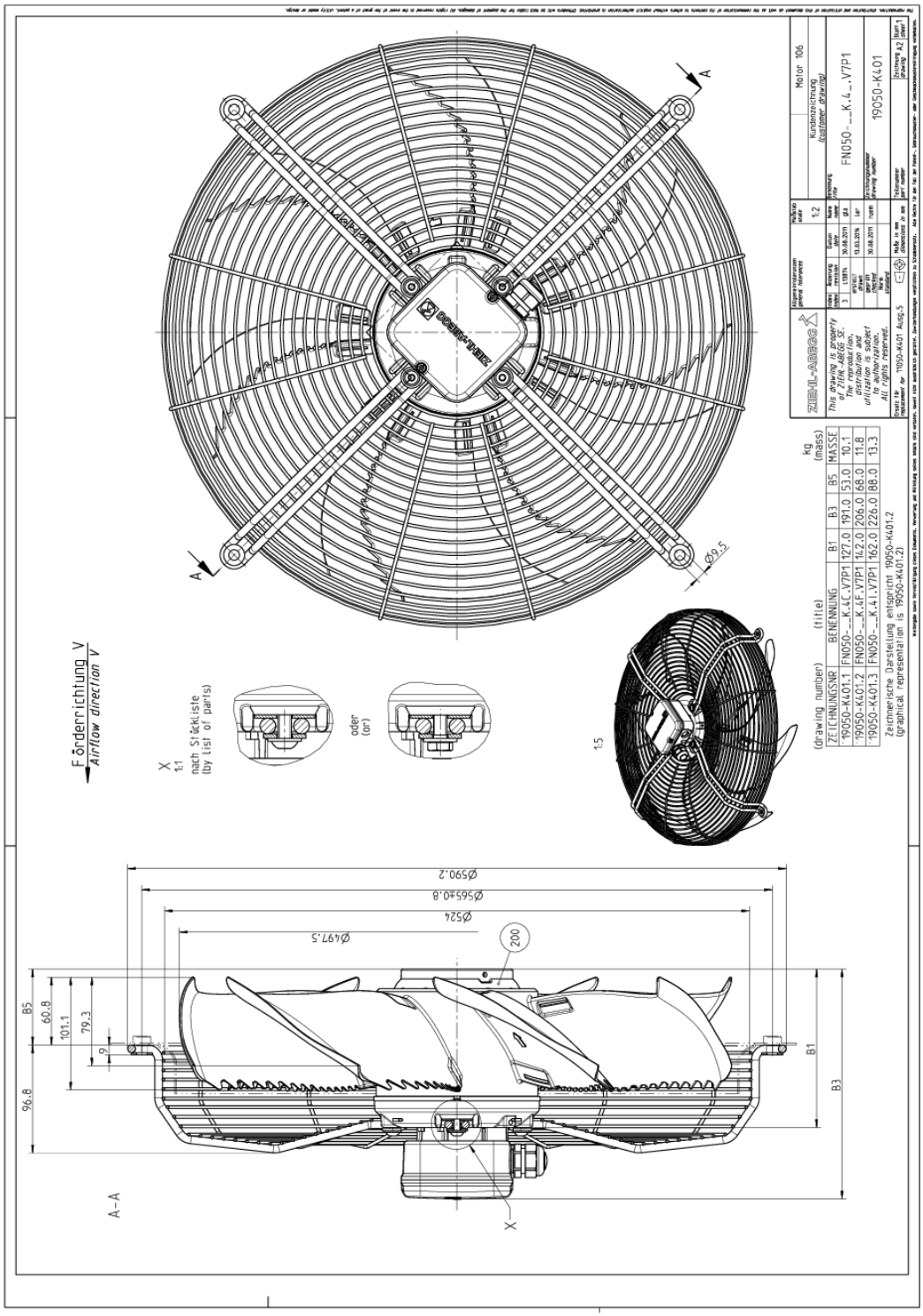


2. Diagramm / Chart : Volumenstrom - Akustik / Airflow - Acoustics



3. Plano





Dimensiones en mm

El esquema adjunto es sólo a efectos de dimensiones.

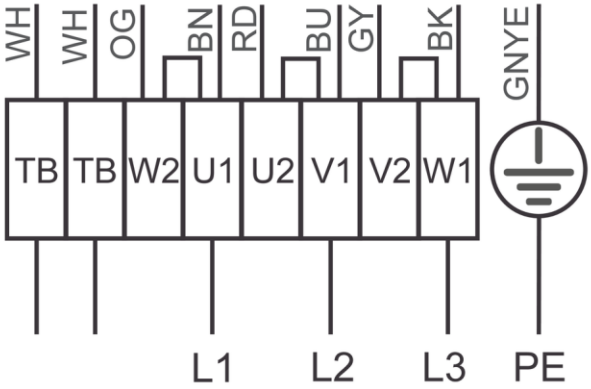
4. Diagrama de conexiones

1360-106XA

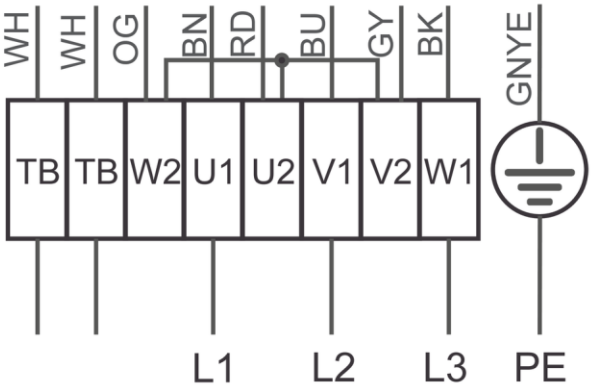
3~ motor with one speed and thermostatic switch (if built in).

U1	brown
V1	blue
W1	black
U2	red
V2	grey
W2	orange
TB	white

Δ-connection



Y-connection



5. EU-Declaración de conformidad

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

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)

i.V. W. Angelis

(Signature)

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

i.V. Daniel Kappel

(Signature)

ZIEHL-ABEGG

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.