

Movement by Perfection





Product documentation

Type FN071-SDK.6F.V7P1

Article number 141773



Article number 141773

The Royal League Die Königsklasse

Customer

ZIEHL-ABEGG Contact James Tran

Project

ZIEHL-ABEGG Subsidiary Australia ZIEHL-ABEGG Australia Pty Ltd (VIC) 181 Calarco Drive Derrimut VICTORIA 3030 **AUSTRALIA** Phone +61 3 99310899 Fax +61 3 99310499 www.ziehl-abegg.com.au info@ziehl-abegg.com.au

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Release Date: 08.02.2013

1. Product specification

Technical data

Article number 141773

Type FN071-SDK.6F.V7P1

Designation Axial fan with sickle blades

Rated values 3~400V±10% D/Y 50Hz P₁ 0,94/0,62kW

1.70/ 1.05A ∆I=10% 900/ 690/min COSY 0,79 70°C

Electrical connection Terminal box K62

Min. operating temperature °C -40

Mounting type terminal box Mounted on Stator

Type of protection IP54 Thermal class THCL155 **Connection diagram** 1360-108XA Rating plate 1x fixed **Fitting position** H/Vu/Vo

Motor protection thermal contact

Impregnation Moisture and hot climate protection **Quality of bearings** ball bearing with long-time lubrication

Material Rotor Aluminium **Painting rotor** unpainted **Material blades** Aluminium **Painting impeller** unpainted Guard grille type ring grill

Other All connecting elements in stainless

steel.

Painting mot.suspens Motor suspension powder-coated

consistency class 2

colour suspension RAL 9005 (jet black)

Weight kg 26,00

ErP Data Efficiency η_{statA}: 39,1 %

Efficiency grade: N_{actual} = 45,8 / N_{target} = 40*

*ErP 2015



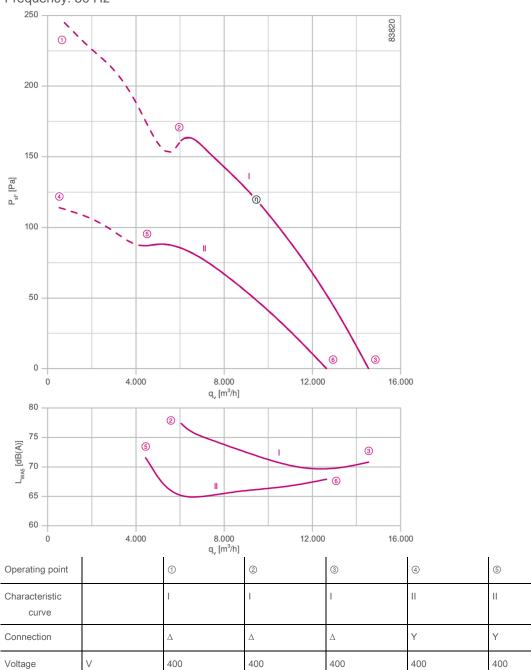
3 | 9



2. Characteristic curve

Characteristic curve





620

1,05

690

700

1,25

580

W

Α

min⁻¹

940

1,70

900

Input power

Current Speed 6

П

400

450

0,77

820

1200

2,10

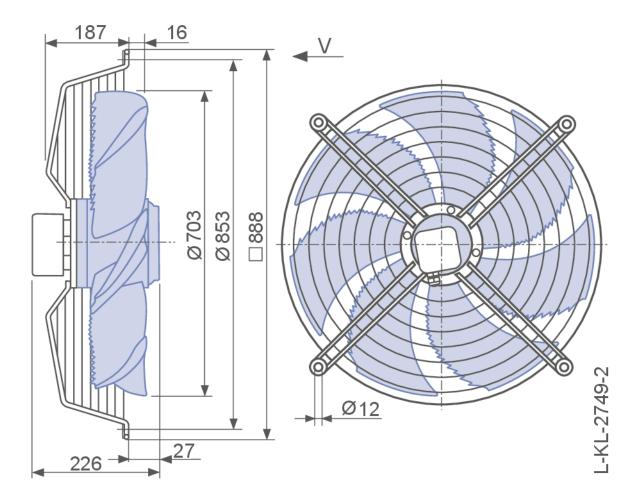
850

560

1,25

940

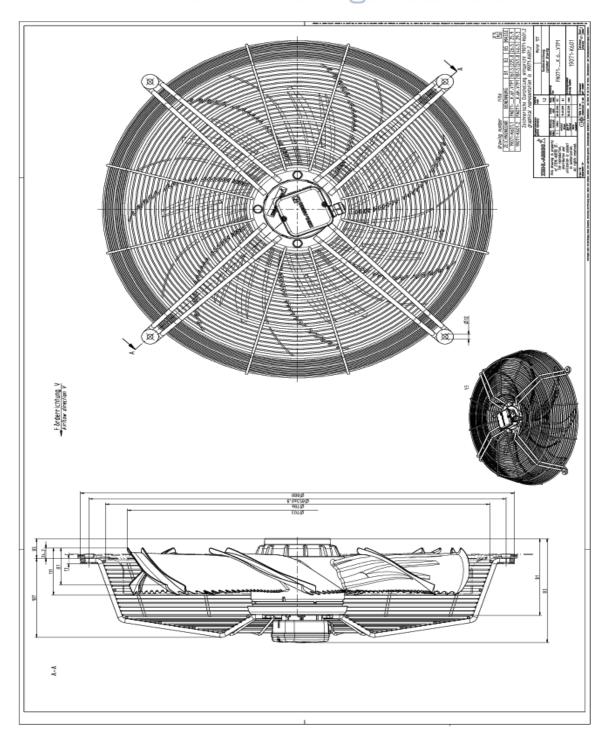
3. Drawing





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Dimensions in mm

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



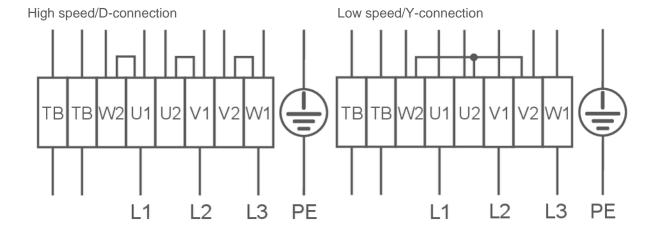


4. Connection diagram

1360-108XA

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

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



Technical changes reserved

TPL PG Datenblatt-V6-10



5. EU-Declaration of conformity

EC-Declaration of conformity

- Translation -(enalish)

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)

iv. W. Angelis

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

(Signature)

ZIEHL-ABEGG



Release Date: 08.02.2013



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.

