

# 1. Product specification

## Technical data

<b>Article number</b>	175052
<b>Type</b>	FN050-4EK.4I.V7P1
<b>Designation</b>	Axial fan with sickle blades
<b>Rated values</b>	1~230V±10% 50Hz P <sub>1</sub> 0,72kW 3.20A ΔI=0% 1240/min 16.0uF/400V 70°C 1~230V±10% 60Hz P <sub>1</sub> 1,00kW 4,40A ΔI=0% 1260/min 16,0uF/400V 65°C
<b>Electrical connection</b>	Terminal box K62
<b>Min. operating temperature °C</b>	-25
<b>Mounting type terminal box</b>	Mounted on Stator
<b>Type of protection</b>	IP54
<b>Thermal class</b>	THCL155
<b>Connection diagram</b>	1360-104XA
<b>Rating plate</b>	1x fixed
<b>Fitting position</b>	H/Vu/Vo
<b>Motor protection</b>	thermal contact
<b>Impregnation</b>	Moisture and hot climate protection
<b>Quality of bearings</b>	ball bearing with long-time lubrication
<b>Material Rotor</b>	Aluminium
<b>Painting rotor</b>	Rotor 1 coat painted
<b>colour rotor</b>	RAL 9005 (jet black)
<b>Material blades</b>	Aluminium
<b>Painting impeller</b>	1 coat painted
<b>Colour blades</b>	RAL 9005 (jet black)
<b>Field of application</b>	Standardanwendung
<b>Guard grille type</b>	ring grill
<b>Other</b>	Balancing quality G 4,0
<b>Painting mot.suspens</b>	Motor suspension 1 coat paint
<b>colour suspension</b>	RAL 9005 (jet black)
<b>Weight kg</b>	13,30
<b>ErP Data</b>	Efficiency $\eta_{statA}$ : 32,9 % Efficiency: $N_{actual} = 40,3 / N_{target} = 40^*$ *ErP 2015

## 2. Characteristic curve

### Beschreibung / Description

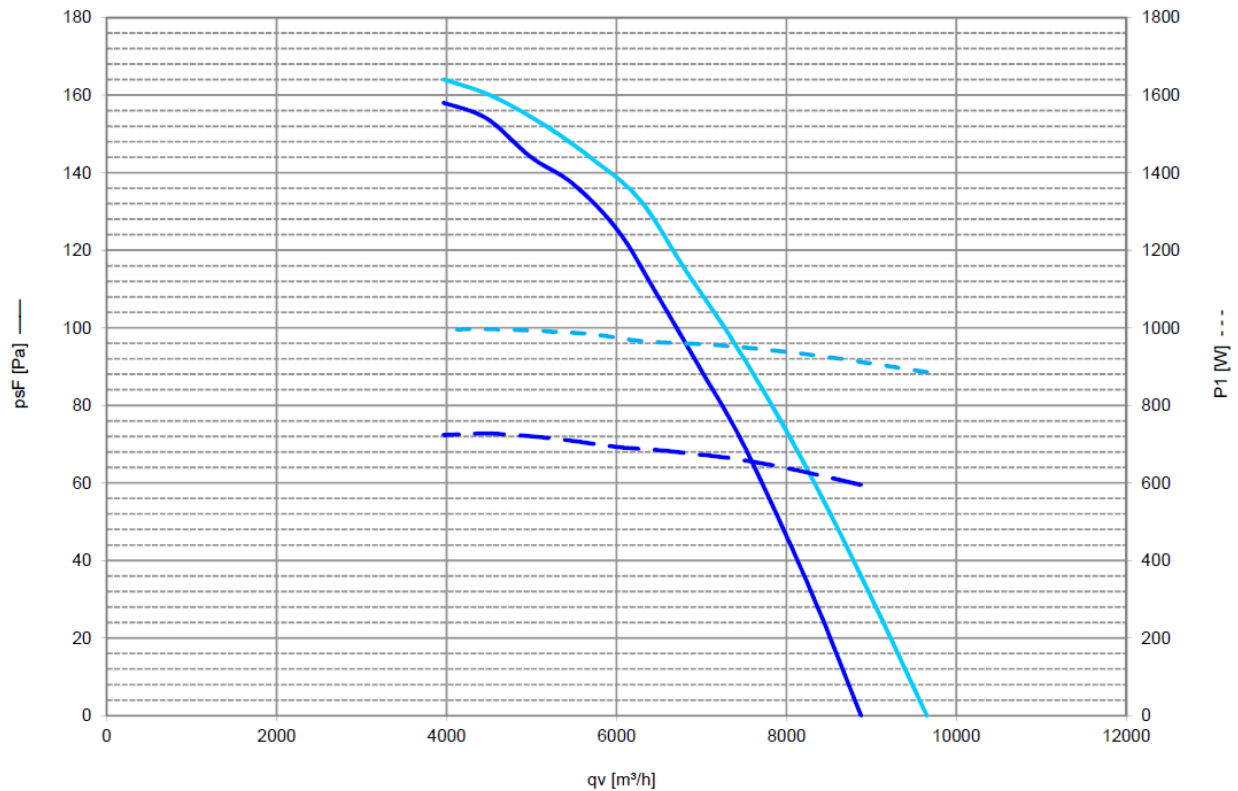
Typ: FN050-4EQ.4I.A7P1  
1~ 230V ±10% 50Hz P1 0,72kW  
3,2A DI=0% 1240/MIN 16uF/400V 70°C  
1~ 230V ±10% 60Hz P1 1,00kW  
4,4A DI=0% 1260/MIN 16uF/400V 65°C  
IP54 THCL 155

Messaufbau / Assembling:  
Ventilator montiert in Volldüse ohne Berührschutzgitter.  
Fan measured in full bell mouth without guard grille.

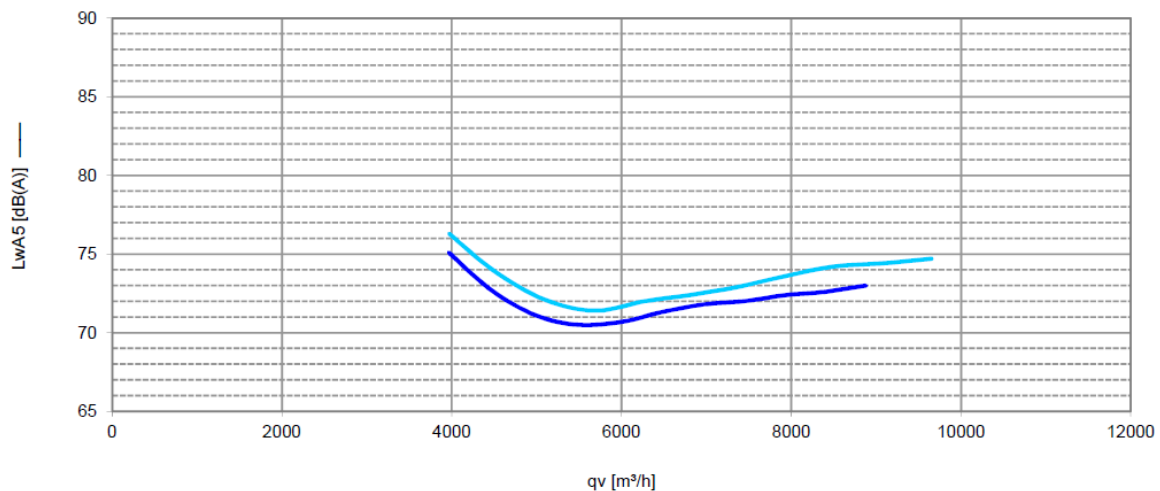
### Legende / Legend

- A) 1~ 230V 50Hz L 16uF [ID 111156]
  - B) 1~ 230V 60Hz L 16uF [ID 111444]
- 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

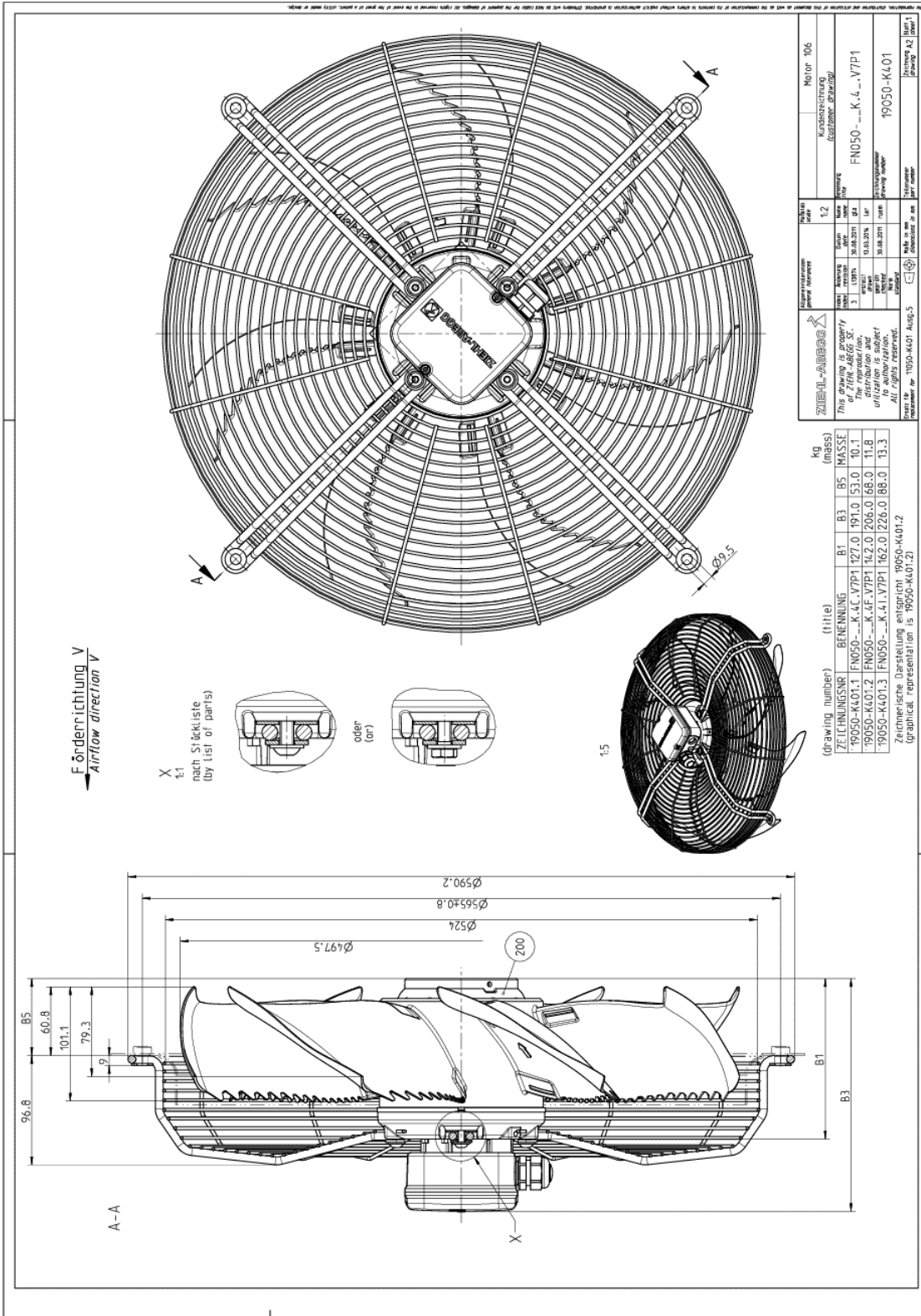


Hata! Belgede belirtilen stilde metne  
Hata! Belgede belirtilen stilde metne

# The Royal League

## Die Königsklasse

### 3. Drawing



Dimensions in mm

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

www.ziehl-abegg.com  
ErstellsQQQXXXYYdate

Movement by Perfection | Bewegung durch Perfektion

Connection diagram

### 1360-104XA

1~Motor with capacitor and thermostatic switch (if built in).

- U1 brown
- U2 blue
- Z1 black
- Z2 orange
- TB white

Clockwise rotation

