Product documentation

Type
FN050-4EK.4I.V7P1

Article number
140057
Product documentation

Customer
Actrol

Project
Axial fans

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1. Product specification

Technical data
Article number 140057
Type FN050-4EK.4I.V7P1
Designation Axial fan with sickle blades
Rated values
1~230V±10%  50Hz  P₁ 760W
3.30A ∆I=5% 1230/min 16.0uF/400V  70°C
1~230V±10%  60Hz  P₁ 1,05kW
4,60A ∆I=0% 1250/min 16,0uF/400V  50°C

Electrical connection Terminal box K62
Min. operating temperature °C -25***
Mounting type terminal box Mounted on Stator
Type of protection IP54
Thermal class THCL155
Connection diagram 1360-104XA
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
Control --
Other Balancing quality G 4,0
Painting mot.suspens Motor suspension powder-coated
consistency class 2
colour suspension RAL 9005 (jet black)
Weight kg 13,30
ErP Data Efficiency ηstatA: 28,9 %
Efficiency grade: Nactual = 36,3 / Ntarget = 36*
*ErP 2013* Does not comply with the stipulations of the ErP regulations

*** 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

FN050-4EK.4I.V7P1 Gemessen in Volldüse ohne Berührschutzgitter in Einbauart A nach ISO 5801
1~ 230V 50Hz Messdichte 1,16

Air performance

Acoustics

Power input Efficiency

Please note: It’s not allowed to use this fan in the stall area!*

*In doubt please ask your responsible ZIEHL-ABEGG sales contact.
3. Drawing

Dimensions in mm
Shown drawing is just to show the dimensions of the fan.
4. Connection diagram

1360-104XA

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

- BN  brown
- BU  blue
- BK  black
- OG  orange
- WH  white
- GNYE  green-yellow

Clockwise rotation
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.

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