

Movement by Perfection



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



Product documentation

Type
FB050-4DK.4I.V4P

Article number
108041

2. Product specification - Technical data

Article number	108041
Type	FB050-4DK.4I.V4P
Designation	Axial fan with sheet blades
Rated values	3~230/400V $\pm 10\%$ D/Y 50Hz P ₁ 0.75kW 3.1/1.8A $\Delta I = 15\%$ 1390/min COSY 0,60 40°C
Electrical connection	Terminal box K62
ErP Data	Measurement category ErP: A Air flow q _v on Eta opt: 5835 m ³ /h Pressure increase p _{fs} on Eta opt: 141 Pa Input power P ₁ on Eta opt: 680 W Efficiency η_{statA} : 34.5 % Efficiency grade: N _{actual} = 41.9 / N _{target} = 40* *ErP 2015
Type of protection	IP54
Thermal class	THCL155
Mounting type terminal box	Mounted on Stator
Connection diagram	1360-106XA
Rating plate	1x fixed
Fitting position	H/Vu/Vo
Motor protection	thermal contact
Impregnation	Moisture and hot climate protection
Condensation	Condensation water holes in stator/rotor open
Quality of bearings	ball bearing with long-time lubrication
Material Rotor	Aluminium
Painting rotor	Rotor 1 coat paint resistance class 1 (L-TI-0596)
colour rotor	RAL 9005 (jet black)
painting stator	Stator 1 coat paint resistance class 1 (L-TI-0596)
colour stator	RAL 9005 (jet black)
Material blades	Aluminium
Painting blades	Blades 1 coat paint resistance class 1 (L-TI-0596)
Colour blades	RAL 9005 (jet black)
Painting mot.suspens	Motor suspension 1 coat paint resistance class 1 (L-TI-0596)
colour suspension	RAL 9005 (jet black)
Special mounted part	Guard grille in special design.
Operating manual	L-BAL-001 www.ziehl-abegg.com/bal
Weight	11.55 kg
Min. operating temperature °C	-40°C***

*** 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.

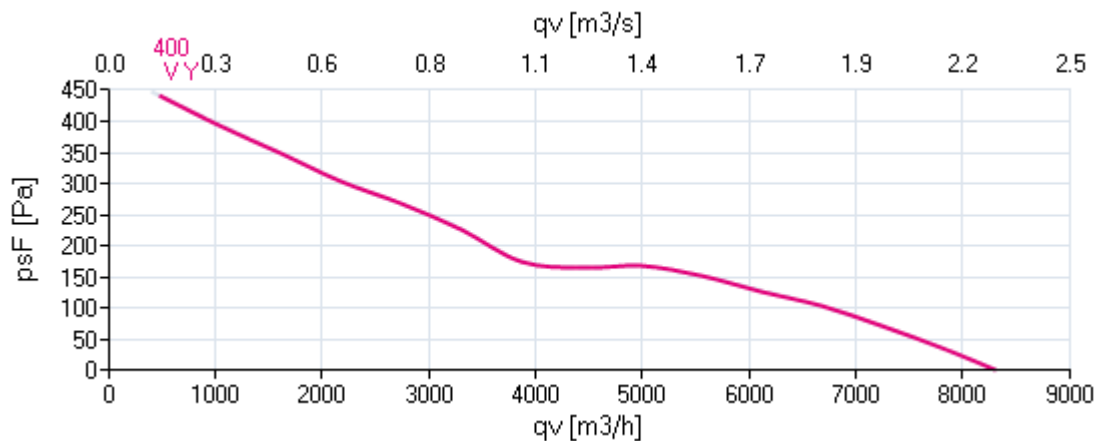
6. Characteristic Curve

FB050-4DK.4I.V4P

3~ 400V 50Hz Y

measurement density 1,16 kg/m³

Air performance



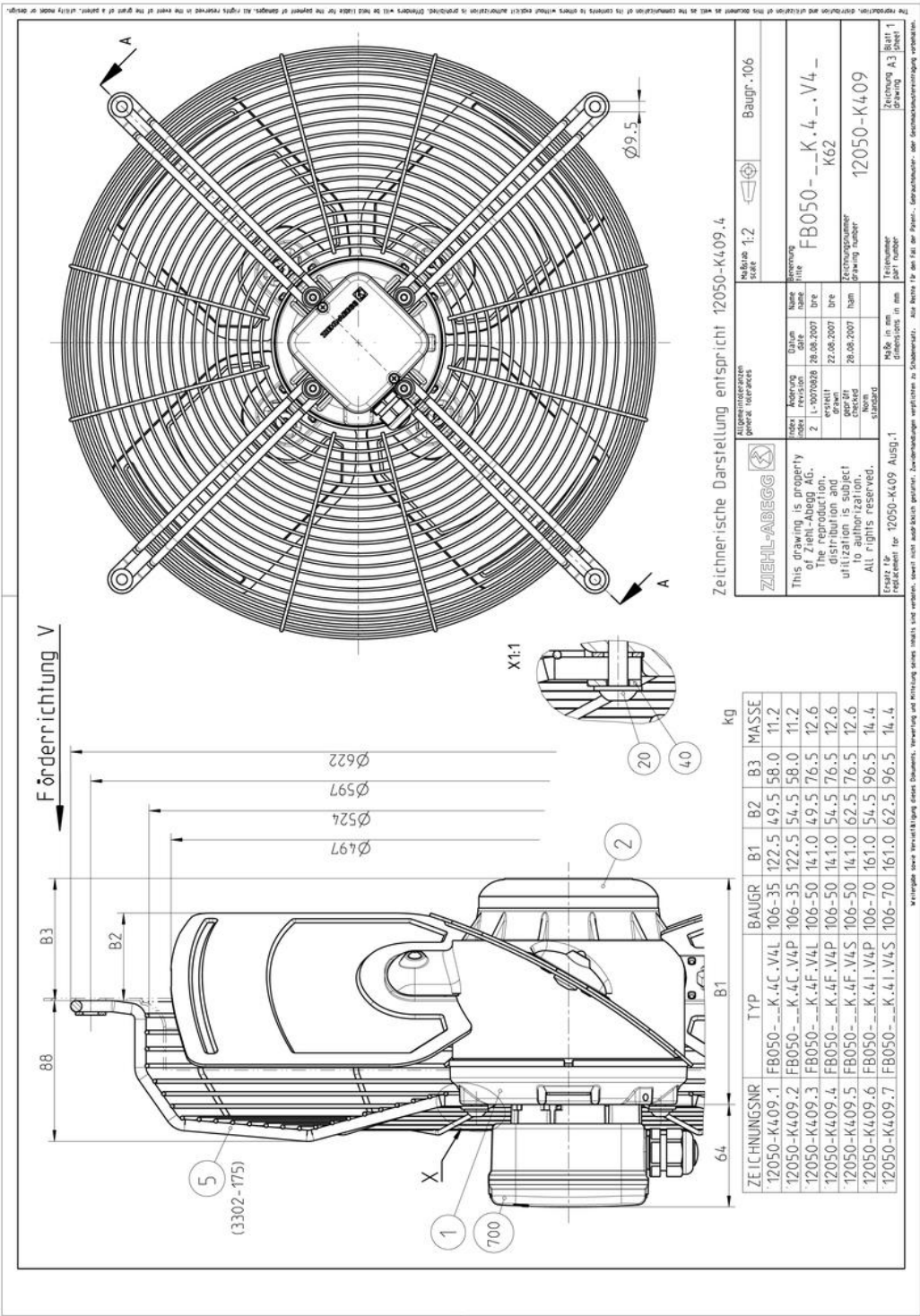
7355

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

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



7. Drawing



Dimensions in mm

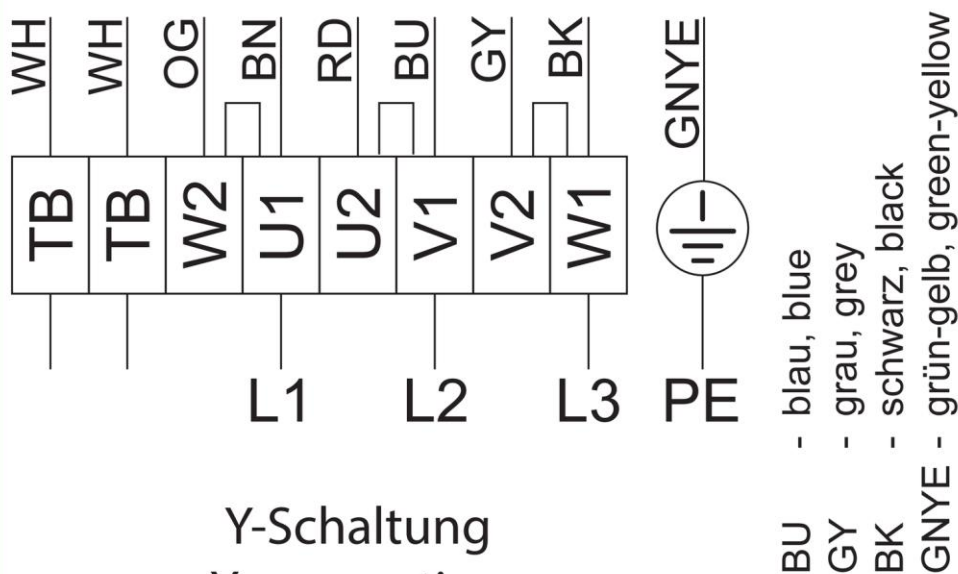
The illustrations shown make no claim to completeness and are for orientation purposes only.

8. Connection diagram

3~ Motor mit einer Drehzahl und
Thermostatschalter (falls eingebaut).
3~ motor with one speed and thermostatic
switch (if built in).

106XA-05

Δ-Schaltung Δ-connection



Y-Schaltung Y-connection

