

Movement by Perfection



The Royal League in ventilation, control and drive technology



[Product documentation](#)

Type
FN080-ZIQ.GL.V7P3

Article number
180794

Product documentation

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1. Product specification - Technical data

Article number	180794
Type	FN080-ZIQ.GL.V7P3
Designation	Axial fan with sickle blades
Rated values	3~380-480V 50/60Hz P ₁ 3.10kW 4.80-3.80A 1100 min ⁻¹ 65°C
Electrical connection	Integrated controller
ErP Data	Measurement category ErP: A Air flow q _v on Eta opt: 18411 m ³ /h Pressure increase p _{fs} on Eta opt: 250 Pa Input power P ₁ on Eta opt: 2874 W Efficiency η _{statA} : 48.2 % Efficiency grade: N _{actual} = 51.6 / N _{target} = 40* *ErP 2015
Type of protection	IP55
Thermal class	THCL155
efficiency class	IE5
Connection diagram	AP00001C
Rating plate	1x fixed, Data Matrix Code 1x loose in controller
Fitting position	H/Vu/Vo
Motor protection	integrated active temperaturemanagement
Impregnation	Moisture and hot climate protection
Condensation	Condensation water hole(s) in 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 5002 (ultramarine blue)
Material blades	Aluminium
Labelling UL/CSA	E213826 ZB-155, MK152-0008
Guard grille type	ring grill
IO-function	BASIC-MODBUS
Painting housing	Bell mouth powder-coated resistance class 2 (L-TI-0585)
Colour housing	RAL 9005 (jet black)
Painting mot.suspens	Motor suspension powder-coated resistance class 2 (L-TI-0585)
colour suspension	RAL 9005 (jet black)
Weight	51.40 kg

*** Operation mode:

Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02.

Occasional starting between -35 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

Permissible minimum and maximum ambient temperature for operation:

Please refer to the technical documentation of the product for the minimum and maximum ambient temperature valid for the respective fan. Operation below -25 °C as well as partial load operation for refrigeration applications is only possible with special bearings for refrigeration applications on request. If special bearings for refrigeration applications are installed in the fan, please observe the permissible maximum temperatures in the technical documentation of the product.

2. Characteristic Curve

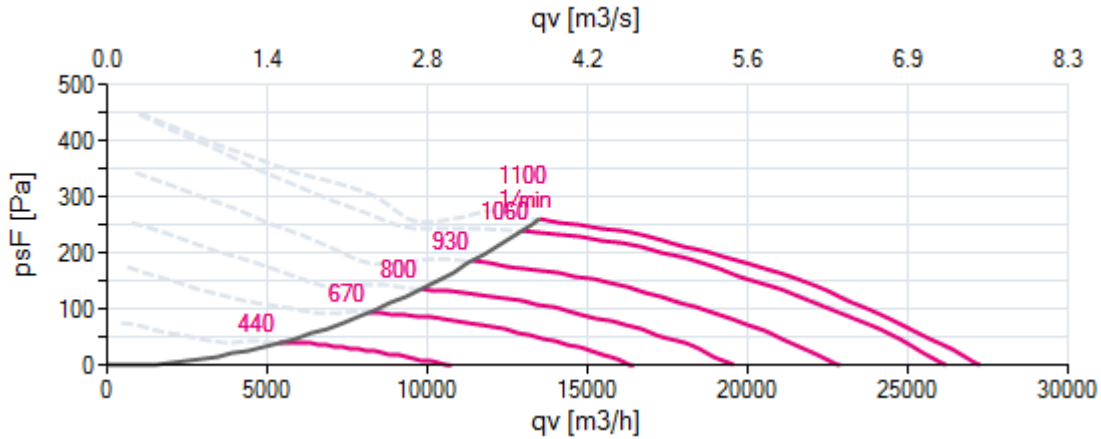
FN080-ZIQ.GL.V7P3

Measured in full nozzle with pressure side guard grille in air flow direction V in installation type A according to ISO5801

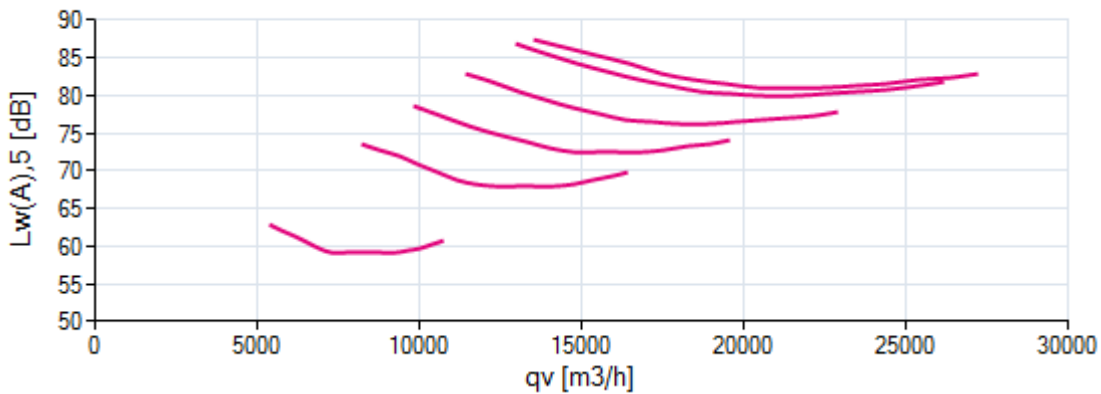
3~ 400V 50Hz

Densidades de medida 1,16 kg/m³

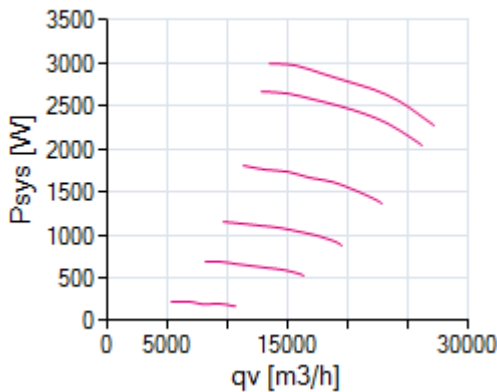
Air performance



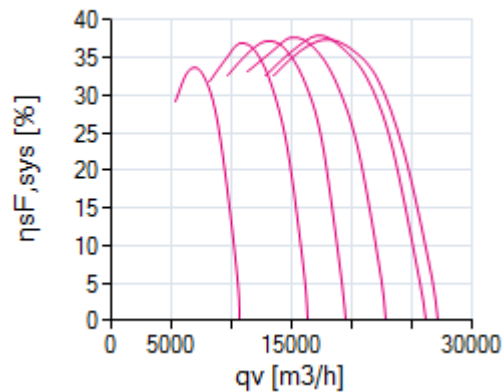
Acoustics



Power input



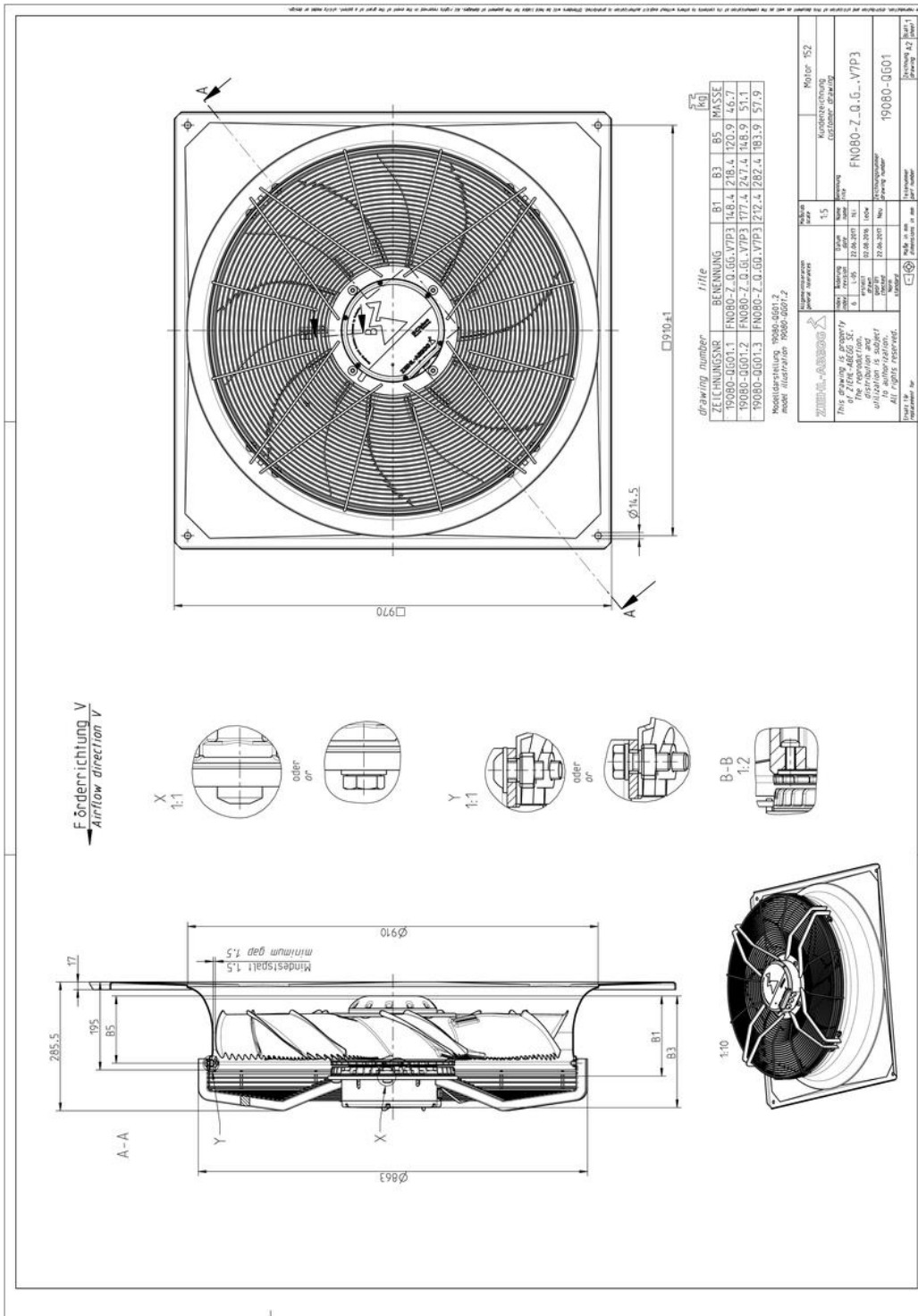
Efficiency



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

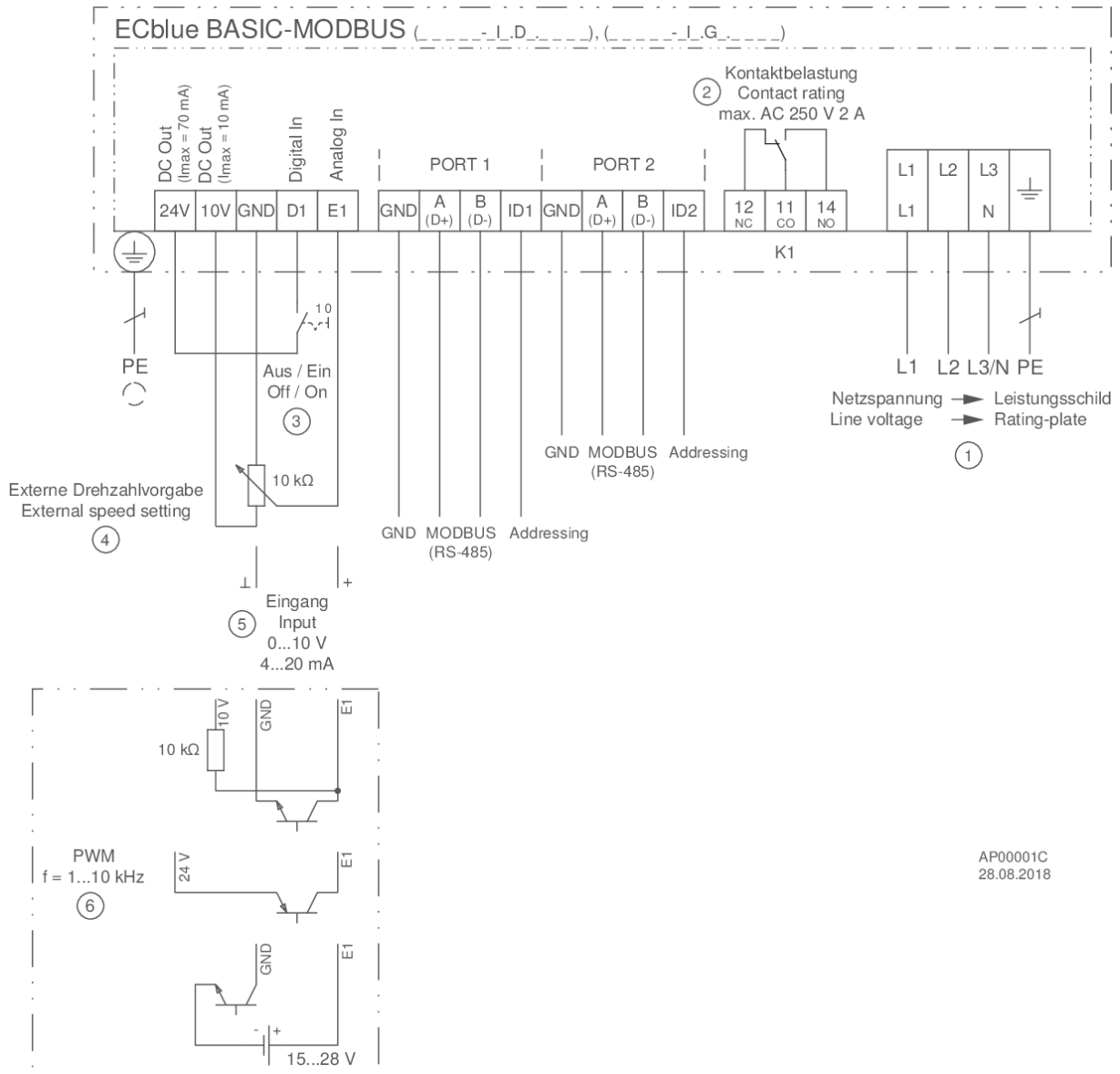


Dimensions in mm

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

4. Connection diagram

Connection diagram: AP00001C



AP00001C
28.08.2018



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](#).