

Movement by Perfection



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



Product documentation

Type
FN040-ZIT.DC.A7P5

Article number
168977

Product documentation

Customer
enter here

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1. Product specification

Technical data

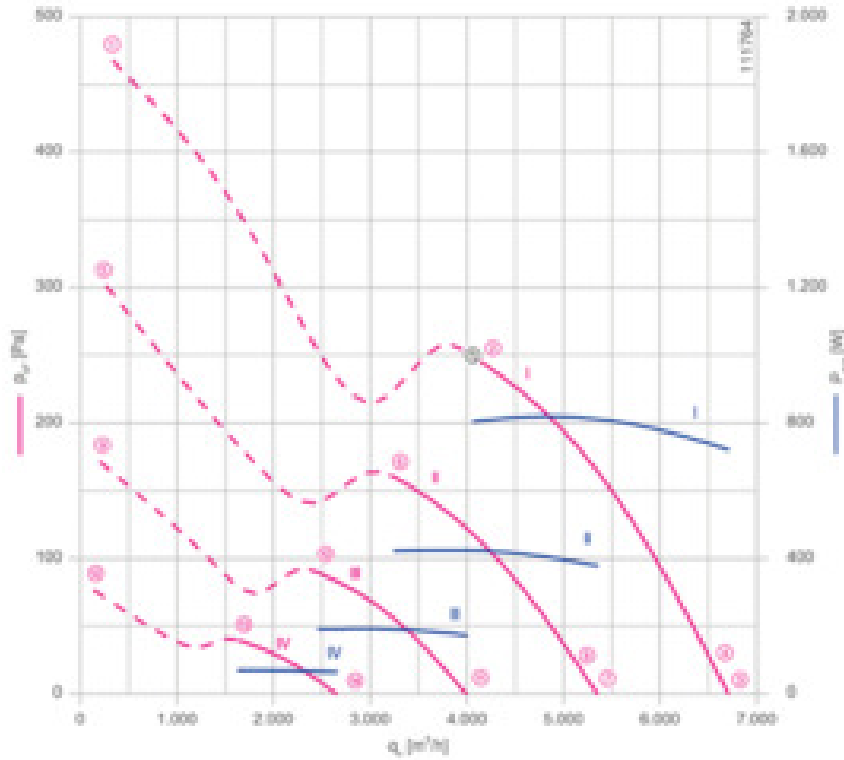
Article number	168977
Type	FN040-ZIT.DC.A7P5
Designation	Axial fan with sickle blades
Rated values	1~200-277V 50/60Hz P _i 0,82kW 4,20-3,40A 1950 min ⁻¹ 60 °C
Electrical connection	Integrated controller with attached cable 5x1,5 mm ² and 5x0,5 mm ² x 120 cm
Min. operating temperature °C	-35
Cable quality	LiF9Y11Y-JB/LiF9Y11Y-OB
Type of protection	IP55
Thermal class	THCL155
Connection diagram	1360-389
Rating plate	1x fixed
Fitting position	H/Vo
Motor protection	integrated active temperaturemanagement
Impregnation	Moisture and hot climate protection
Quality of bearings	ball bearing with long-time lubrication
Material Rotor	Aluminium
Painting rotor	Rotor 1 coat painted
colour rotor	RAL 5002 (ultramarine blue)
Material blades	High Performance Composite Material
Painting impeller	unpainted
Colour blades	black
Field of application	Conceived for individual application in agriculture.
Certification	Motor-Recognized Component
Labelling UL/CSA	E213826 ZB-155
Control	ECblue 0-10V
Other	All connecting elements in stainless steel.
Painting mot.suspens	Motor suspension powder-coated consistency class 2
colour suspension	RAL 9005 (jet black)
Client`s loose parts	Fixing brackets supplied loosely.
Weight kg	9,40
ErP Data	Efficiency η_{statA} : 39,3 % Efficiency grade: $N_{actual} = 46,2 / N_{target} = 40^*$ *ErP 2015

2. Characteristic curve

Characteristic curve

Frequency: 50/60 Hz

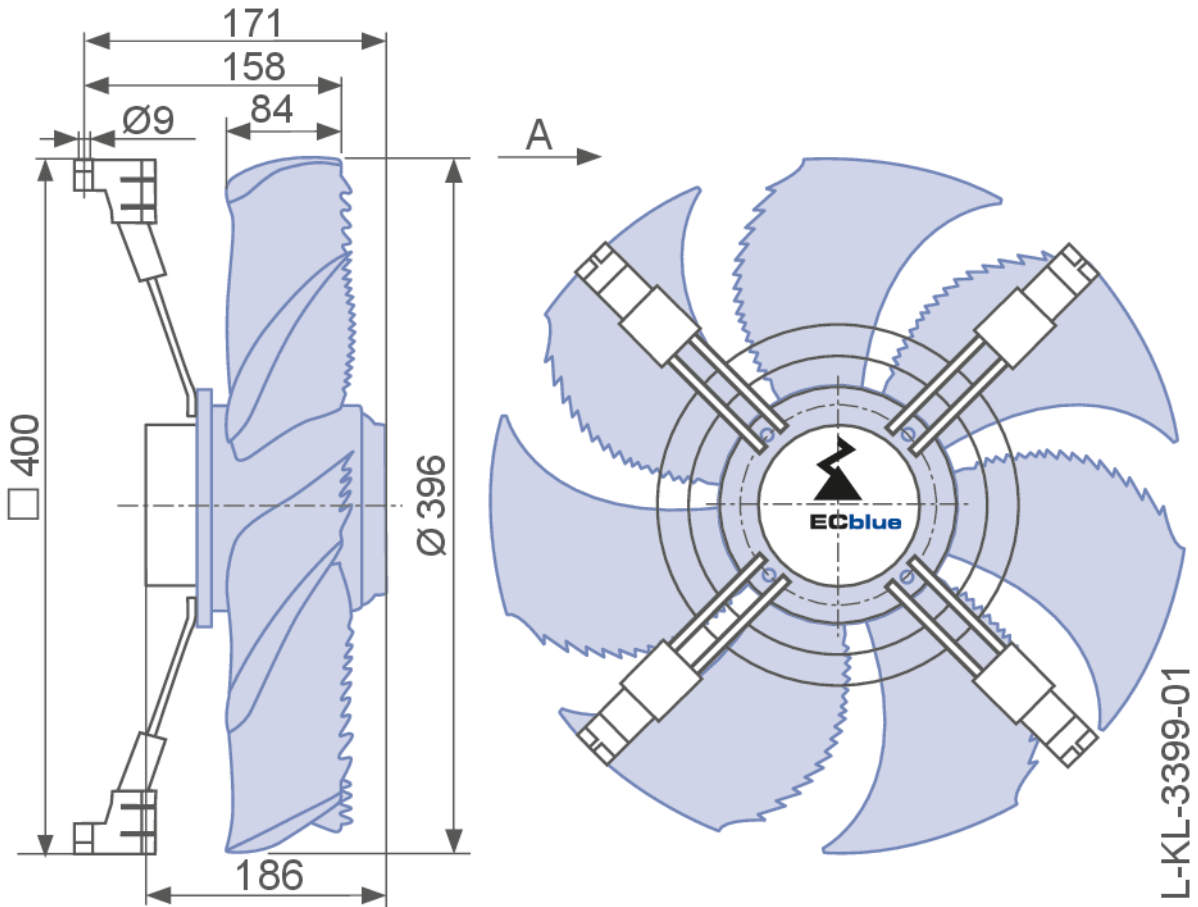
Measured in full nozzle without guard grille in installation type A according to ISO 5801.



I = 1~1950/min, II = 1~1560/min, III = 1~1170/min, IV = 1~780/min

Operating point	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭
Characteristic curve	I	I	I	I	II	II	II	II	III	III	III	IV	IV	IV
Connection	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Voltage	V	230	230	230	230	230	230	230	230	230	230	230	230	230
Current	A	4,60	3,60	3,20	3,30	2,50	1,95	1,75	1,80	1,15	0,92	0,82	0,44	0,38
Speed	min ⁻¹	1950	1950	1950	1950	1560	1560	1560	1560	1170	1170	1170	780	780

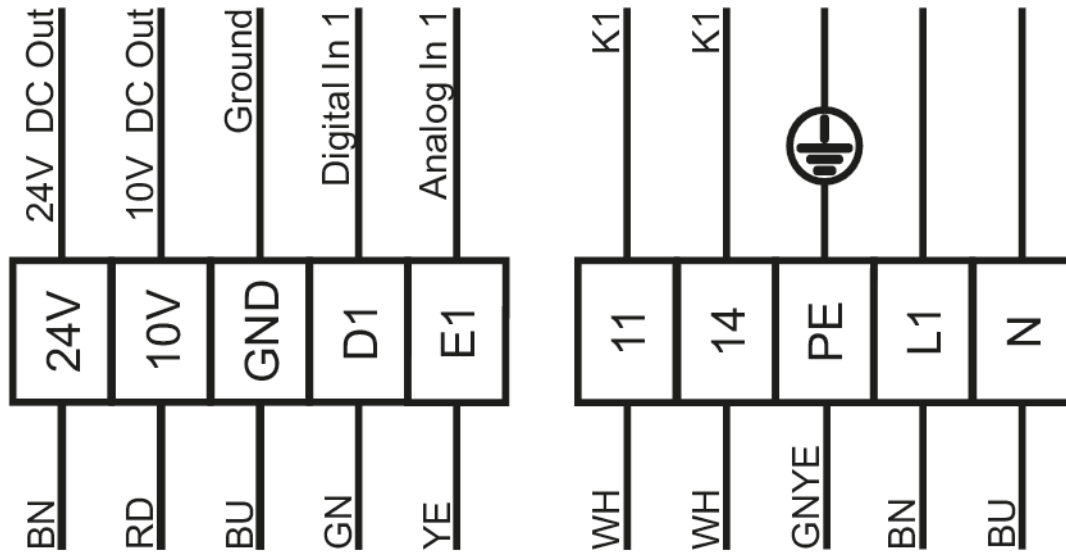
3. Drawing



4. Connection diagram

1360-389

1~ ECblue Basic. 0-10V / 0...100% PWM + 10-0V / 100...0% PWM.



BN - braun, brown
RD - rot, red
BU - blau, blue
GN - grün, green

YE - gelb, yellow
WH - weiß, white
GNYE - grün-gelb, green-yellow

389-02



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

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