

RH56V-ZIK.GL.VR Ziehl-Abegg 380-480V EC Centrifugal Fan

SKU: RH56V-ZIK.GL.VR

Price: \$1,667.17

Categories: Fans

Tags: Ziehl-Abegg

Product Link:

<https://www.elecspares.com/product/rh56v-zik-gl-vr-ziehl-abegg-380-480v-ec-centrifugal-fan/>

Product Description

The Ziehl-Abegg RH56V-ZIK.GL.VR (Article No. 193847) is an ultra-high-efficiency 3-phase EC Centrifugal Fan module featuring a 560 mm ZABluefin backward-curved impeller. Built with High Performance Composite Material, the impeller and rotor are finished in striking RAL 5002 ultramarine blue. Driven by the MK152-0008 motor with an integrated BASIC-MODBUS controller, this 26.00 kg unit operates on a wide 380-480 VAC supply, delivering 3.50 kW of power and a maximum airflow of 10501 m³/h at its optimum efficiency point. It meets IE5 efficiency standards with an efficiency grade of Nactual 68.1 and features integrated active temperature management for mission-critical reliability. Optimized for premium AHUs and FanGrid systems, the RH56V-ZIK.GL.VR offers IP55 protection and superior acoustic performance in temperatures as low as -15 °C.

RH56V-ZIK.GL.VR Fan Parameters

Manufacturer: Ziehl-Abegg (Germany)

Motor Model: MK152-0008

Phase: 3~

Type: EC Centrifugal Fan with ZABluefin Impeller

Impeller Size: 560 mm

Dimensions: 560 mm (Impeller Diameter)

Weight: 26.00 kg

[Electrical Data - 50/60 Hz]

Nominal Voltage: 380 - 480 VAC

Power Input (Ped): 3.50 kW

Current Draw: 5.60 - 4.40 A

Speed: 1550 RPM

Max. Ambient Temp: 50 °C

[ErP 2015 Data]

Air Flow (qv) at Eta opt: 10501 m³/h

Pressure Increase (pfs) at Eta opt: 668 Pa

Input Power (Ped) at Eta opt: 3333 W

Static Efficiency (η_{statA}): 63.1 %

Efficiency Grade: $N_{actual} = 68.1 / N_{target} = 50$

Efficiency Class: IE5

[Materials & Construction]

Impeller Material: High Performance Composite Material

Colour (Rotor/Impeller): RAL 5002 (Ultramarine blue)

Stator Painting: Unpainted

Rotor Coating: 1 coat paint resistance class 1 (L-TI-0596)

Control Interface: BASIC-MODBUS

Degree of Protection: IP55

Thermal Class: 155 (Class F)

Motor Protection: Integrated active temperature management

Min. Operating Temp: -15 °C

Balance Quality: G 2.5

Installation Position: Fitting position H/Vu/Vo

Connection Diagram: AP00001C

Application

The Ziehl-Abegg RH56V-ZIK.GL.VR is a premium air-moving solution for next-generation Air Handling Units (AHU), high-density data center cooling (FanGrids), and energy-optimized pharmaceutical clean rooms. Its 560 mm ZABluefin impeller, utilizing high-performance composite material and bionic blade geometry, significantly reduces low-frequency noise and maximizes static efficiency for mission-critical climate control. The integrated BASIC-MODBUS controller allows for precise demand-controlled ventilation (DCV) and real-time monitoring of motor status via active temperature management. With its IE5 efficiency class and RAL 5002 ultramarine blue finish, this 26.00 kg EC module provides a high-velocity, reliable, and intelligent cooling solution for global 380-480V industrial infrastructures.

Product Images





Article number
193847

The Royal League Die Königsklasse

2. Product specification - Technical data

Article number	193847
Type	RH56V-ZIK.GL.VR
Designation	Single inlet impeller with backward curved blades.
Rated values	3~380-480V 50/60Hz P _{ed} 3.50kW 5.60-4.40A 1550min ⁻¹ 50°C
Electrical connection	Integrated controller
ErP Data	Measurement category ErP: A Air flow q _v on Eta opt: 10501 m ³ /h Pressure increase p _{fs} on Eta opt: 668 Pa Input power P _{ed} on Eta opt: 3333 W Efficiency η _{statA} : 63.1 % Efficiency grade: N _{actual} = 68.1 / N _{target} = 50* *ErP 2015
Min. operating temperature	-15°C
Thermal class	Thermal class 155
efficiency class	IE5
IO-function	BASIC-MODBUS
Painting stator	Stator unpainted
coating rotor	Rotor 1 coatpaint resistance class 1 (L-TI-0596)
Colour sheet rotor	RAL 5002 (ultramarine blue)
Material impeller	Impeller made of High Performance Composite Material
Painting impeller	unpainted
Colour impeller	like RAL 5002 (ultramarine blue)
Connection diagram	AP00001C
Installation position	Fitting position H/Vu/Vo
Fitting position mot	Mounting position H/Vu/Vo
Motor protection	integrated active temperaturemanagement
Type of protection	IP55
Impregnation	Moisture and hot climate protection
Quality of bearings	ball bearing with long-time lubrication
Labelling UL/CSA	E213826 ZB-155, MK152-0008
Other	Connecting elements made of stainless steel.
Painting motor	Stator/rotor separately
Colour motor	Stator/rotor separately
Special motor	End cover made of aluminium
Balance quality	G 2.5
Weight	26,00 kg

Article number
193847

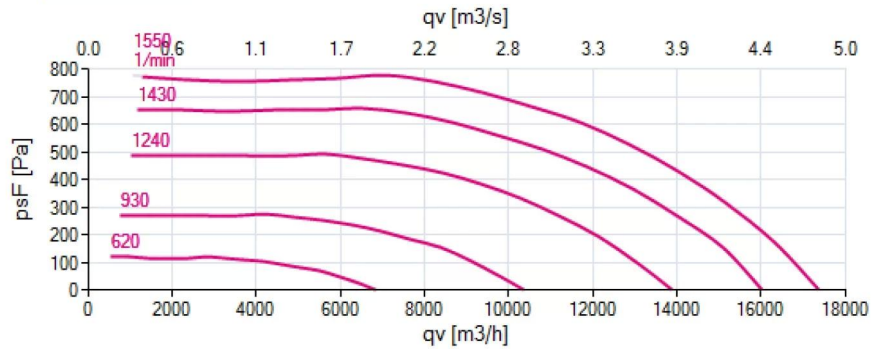
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6. Characteristic Curve

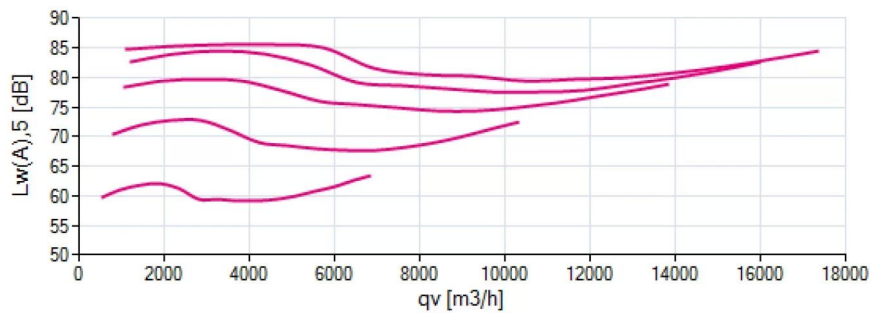
RH56V-ZIK.GL.VR
3~ 400V 50Hz

measured in standard nozzle in installation type A according to ISO 5801
measurement density 1,16 kg/m³

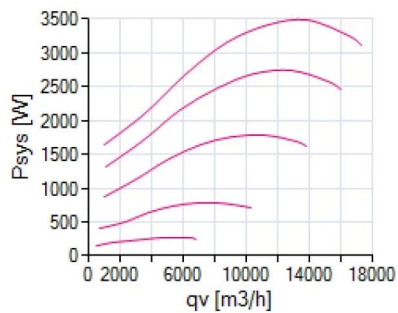
Air performance



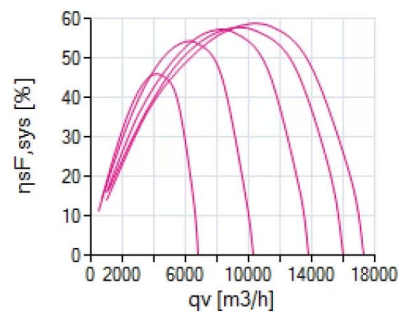
Acoustics



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.

www.ziehl-abegg.com

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