

Movement by Perfection



The Royal League in ventilation, control and drive technology



## ZBluefin high-efficiency unit HR

The High Level Premium Product

# ZAbluefin high-efficiency unit HR

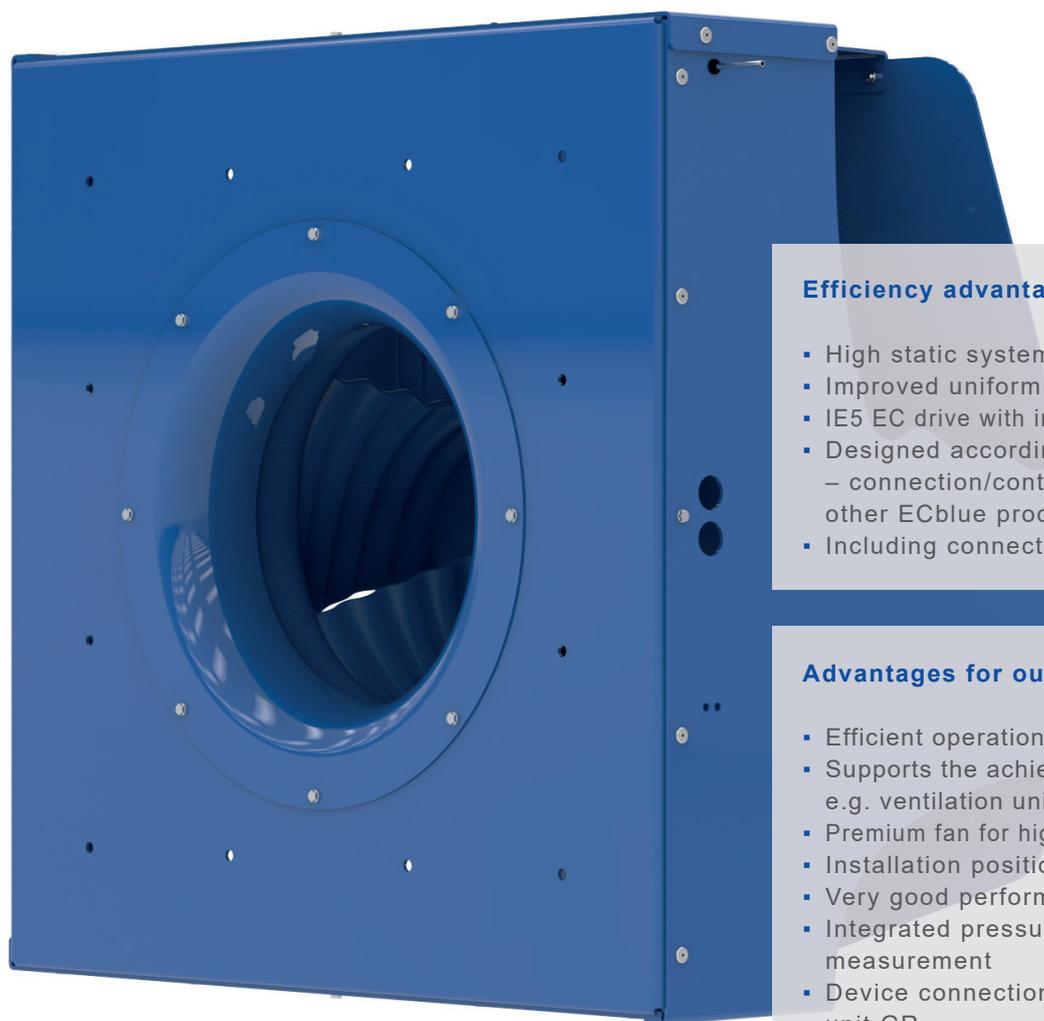
## The benchmark in efficiency

The high-efficiency unit HR is the new high-end premium product from ZIEHL-ABEGG. Designed for the highest efficiency requirements, it is versatile and predestined for effective use in premium ventilation systems.

Driven by the latest ZAbluefin-ECblue technology in conjunction with the flow-optimised housing module, the harmonious interaction of the components achieves top values in terms of system efficiency that are second to none. This makes it possible to be more flexible in fan selection for the same duty point. This enables us to provide our customers with even better support in optimising their devices to meet future energy requirements, such as a new ErP Directive.

In addition, the design of the unit in conjunction with the high-quality coating ensures maximum hygiene, as cleaning and maintenance are possible without much effort.

The high-efficiency unit HR follows the idea of our ventilation unit GR, which can be used in all installation positions. It is ideal for horizontal and vertical air feed. In the interests of our customers, we have ensured the use of the same interfaces. Thus, an uncomplicated change to a higher efficiency is easily possible.



### Efficiency advantages:

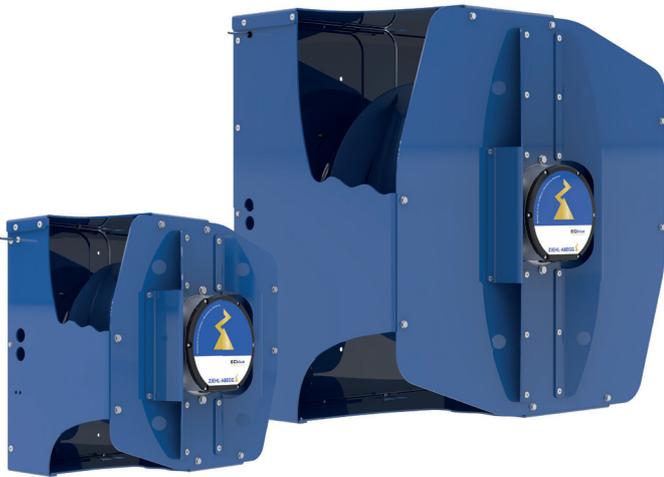
- High static system efficiency
- Improved uniform discharge airflow behaviour
- IE5 EC drive with integrated speed control
- Designed according to the ZACode philosophy – connection/control according to other ECblue products
- Including connectivity to ZAbluegalaxy

### Advantages for our customers:

- Efficient operation up to the end customer
- Supports the achievement of ErP specifications e.g. ventilation units
- Premium fan for high-end air handling units
- Installation positions independent
- Very good performance in parallel mode
- Integrated pressure tapping for air flow measurement
- Device connection similar to ventilation unit GR
- Easy handling during assembly

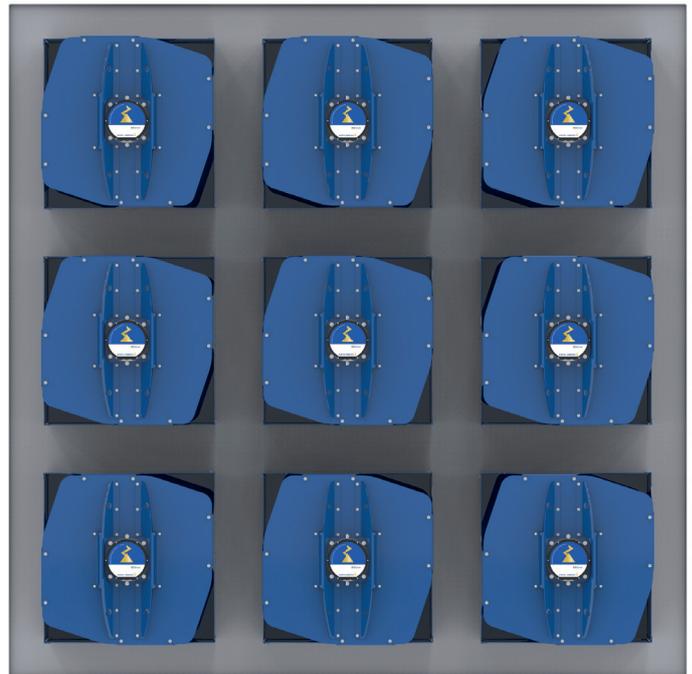


## Versions



Sizes 315 and 560 mm

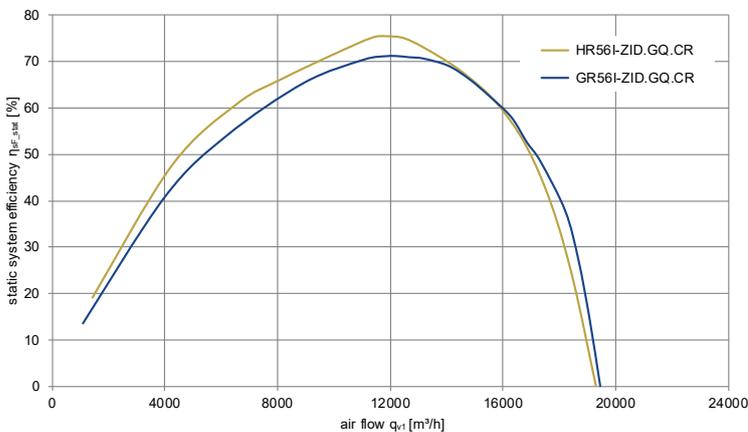
Depending on requirements, ZIEHL-ABEGG offers different sizes from 315 to 560 mm or also as modular system solutions - in parallel mode.



Parallel mode of fans

Their design and resulting low-turbulence discharge airflow mean that the units only have a slight effect on each other in parallel mode.

## Technical data



Sizes	315 – 560
Impeller	ZABluefin
Ambient temperature	- 20°C ... + 40°C (up to + 60°C)
ECblue	2nd generation in IE5
Line voltage	1~ 200-277V 50/60Hz 3~ 200-240V 50/60Hz 3~ 380-480V 50/60Hz
Connectivity	Modbus in series
Air flow	~ 19,000 m³/h
Pressure	~ 2,200 Pa
Installation position	Horizontal (H); vertical (V)
Corrosion protection	Powder-coated ultramarine blue (BKK1 RAL 5002)

## ZAcode

With ZAcode - the key to intelligent control and regulation of cross-product fan and motor technology - you control and operate the elements of the high-efficiency unit in any formation, simply, conveniently and effortlessly in one language – ZIEHL-ABEGG.



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