

# ECblue

The energy saver amongst fans



## **ECblue** **The new economic solution**

Since the middle of the 80's, Ziehl-Abegg has been performing pioneering work in the development and manufacture of efficient EC external rotor motors for fans. Nearly 30 years later, a new era is dawning in EC technology: ECblue

ECblue is Ziehl-Abegg's third generation of EC motors. This latest EC technology is setting new standards for control, efficiency and reliability.

Ingeniously simple functionality

Compact, cutting-edge technology, user-friendly and simple – these are the main criteria we set for the development of the ECblue series. Meet ECblue and convince yourself of the result!

Maximum efficiency – Minimum power consumption

Nowadays, saving energy is more important than ever. Energy costs are exploding; the global climate is changing.

Fans with ECblue technology will help lower your operating costs. Our environment will also appreciate the low power consumption of the ECblue fans – after all, the cleanest energy is the energy that doesn't need to be generated in the first place!

You can rely on it

Dependability and reliability are the basic prerequisites for a quality product from Ziehl-Abegg. So the new ECblue energy-saving motors were tested under extreme conditions. Whether they were exposed to shock or vibration tests, constant loads under extreme temperatures or salt-fog tests – the ECblue fans passed all the tests brilliantly. We are convinced 100% of the reliability of the ECblue fans.





**The principle**  
**Ingeniously simple – highly efficient – exceedingly reliable**

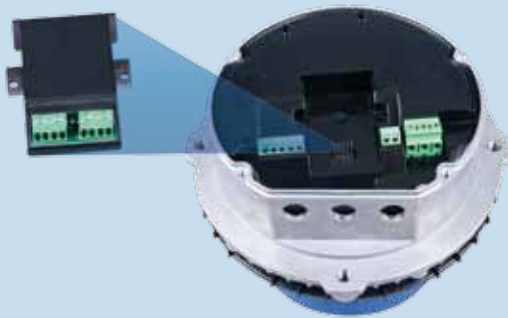
## **ECblue** **More than you see at first sight**

True greatness cannot be seen

With ECblue, for the first time EC fans are available with freely designable customer interfaces. All ECblue fans have basic electronics. They provide the functionality needed to achieve first-class results in perhaps 90 % of all applications.

May we offer a bit more? – Gladly!

With their modular construction, the functions in the 116 and 152 motor frame size ECblue fans can be expanded at will by simply plugging in additional modules. The add-on modules can be tailor-made to cover various applications. This means the ECblue fans have precisely the functions you need. Nothing more and nothing less. Even if the requirements placed on the ECblue happen to change later on – no problem. The add-on modules can be replaced onsite during operation.



Wireless programming – standard in ECblue

When considering the functionality of the motors, our engineers have taken things one step further. The fans can be programmed without a hard wire connection using wireless technology. The casing which houses the electronics on ECblue motors is transparent to radio waves, providing the ability to programme and configure the fans without having to spend time wiring an operating terminal. Connecting a terminal is unnecessary even during service.

A bird's eye view

An integrated LED, visible through the translucent cover on the ECblue motors, constantly indicates the operating condition of the fans. This means you can always keep tabs on everything. The time-consuming connection of a terminal to query the status of the EC fans can be omitted. Various flash codes indicate the current operating condition of the ECblue fans.





**More than you see at  
first sight**





**Nature does not waste energy -  
Neither do we!**

## **Nature does not waste energy – Neither do we!**

### Resources are limited

As the world's leading manufacturer of motors, fans and control systems, we feel obliged to constantly increase the efficiency of our products.

The raw material deposits available globally are rapidly decreasing. Today, it is more important than ever to deal with resources sparingly. At the same time, the world's energy requirements are constantly increasing. The consequences are well-known: Our climate is changing; natural catastrophes are on the rise.

### We take responsibility

Fans with ECblue motors contribute effective and efficiency-optimised solutions to operating systems that move air. This reduces the operating costs of your plant by minimising the energy consumption of such systems. After all, the cleanest energy is energy that does not have to be produced in the first place.

### Nature meets technology

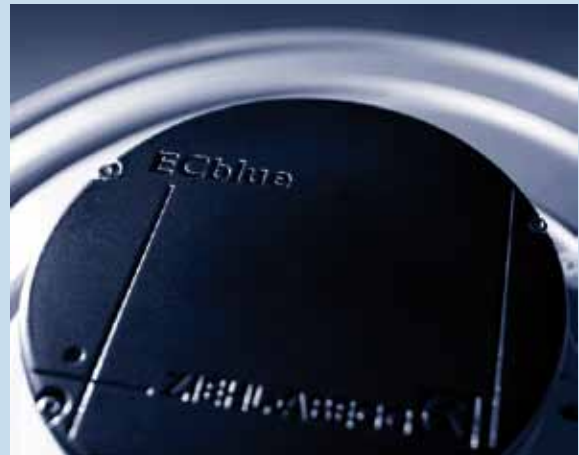
Ziehl-Abegg has been preoccupied with the role models provided by nature for many years. Numerous Ziehl-Abegg blade designs in axial and centrifugal fans possess bionic characteristics. In nature, it's possible to find many examples of how efficient systems work. Energy is only consumed when needed.

### We take nature as an example and follow its lead

ECblue fans also only consume energy needed for the task in hand: to move air effectively and quietly. The newly developed motor construction and the use of high-grade materials, combined with the latest motor control technology, make sure our ECblue energy-saving motors impress with efficiency values of over 90 %.

### You want to find out more about ECblue?

Visit us on the Internet at [www.EC-blue.com](http://www.EC-blue.com) or simply get in touch with us. Our experts will gladly assist you by explaining the numerous benefits of ECblue for your applications.





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