

Movement by Perfection

The Royal League in ventilation, control and drive technology



ECblue 072 FE3owlet

Blue power for bionic natural talent

ECblue⁰⁷² - FE3owlet

The world is holding its breath.

The new, intelligent **ECblue⁰⁷²** energy-saving motor delivers unrivalled efficiency virtually silently and with enormous energy-saving power. This **Premium Efficiency** motor not only ensures targeted and perfect movement in every application, it also rounds off the **ECblue motor range** from ZIEHL-ABEGG in the 0 to 6 kW power ranges (even higher range up to 22kW with PMblue). With blue power over the entire performance spectrum, users are perfectly set up for the future with enormous energy savings from the drive system and significant reductions in CO₂ emissions.

And the new **ECblue⁰⁷²** is hiding another highlight too. It is the first motor with **ECblue motor technology**, to deliver its full drive power to one of the most exceptional fans on the market, turning it into a unique fan with unbeatable power – the **FE3owlet**.

The new naturally talented FE3owlet, with its extraordinary, bionic wing concept is the completion of an engineering masterpiece in axial impeller geometry, that is unrivalled. The ingenious bionic blade concept ensures maximum efficiency, acoustics reduced to a minimum and 100% sustainability. In combination with the new **ECblue⁰⁷²**, this fan is unique and is the future for all applications in the ventilation sector.



ECblue⁰⁷² - blue power for bionic natural t



ECblue⁰⁷² - FE3owlet: An unbeatable combination

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|--|----|--|
| Outstanding efficiency utilisation | ▶▶ | This results in huge financial savings in ongoing operation |
| Significantly reduced acoustics – Up to 4.5 dB quieter at the same operating point | ▶▶ | Low sound emissions → Installation closer to adjacent buildings, sleeping rooms etc. possible. Easier approval |
| Higher medium temperatures (+10K) | ▶▶ | Guaranteed recooling capacity even at higher ambient temperatures |
| Up to 40 Pa more pressure with the same air flow | ▶▶ | More reserves to protect against contamination/ freezing. Later cleaning possible |

ECblue⁰⁷² energy-saving motor – highlights

- ▶ Voltage supply: 1~ 200...240V 50/60Hz, 1~ 100...130V 50/60Hz
 - ▶ Power up to 170W
 - ▶ Degree of protection IP54
 - ▶ Max. torque up to 1.6 Nm
 - ▶ Efficiency up to 82%
 - ▶ Active temperature management
- Applications: Heat pumps, electronics cooling, ventilation, refrigeration technology

ECblue –
Intelligent high-
efficiency motors
now for every
power range



ECblue055

ECblue072

ECblue090

ECblue116

ECblue152



NEW! ECblue 072 – energy-saving motor
Created for the full range of fans

alent, the **FE3owlet**



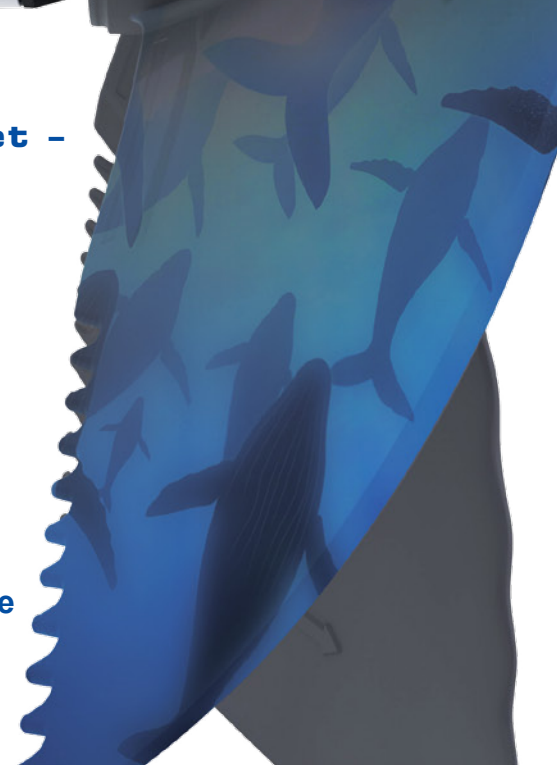
The new FE3owlet - successful bionic creation

With the unprecedented combination of several bionic aspects, such as the impressive adaptation of essential findings from the wing shape of nocturnal barn owls - serrated trailing edge, profiled, sickle-shaped wing (FE2owlet) - and the new leading edge inspired by bionic principles, the ZIEHL-ABEGG engineers have developed a unique, bionic wing design with unbeatable impeller performance.

This bionic high-tech impeller, combined with the ECblue 072 energy-saving motor, give the new **FE3owlet** axial fan unrivalled efficiency and make it very user-friendly and sustainable, thanks to its highly efficient flow behaviour and drastically reduced acoustic characteristics.

FE3owlet -

**Globally
unique
bionic axial
fan with
unrivalled
maximum
performance**



The Royal League

