

Movement by Perfection



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



## FE3owlet

Ready for the next level of ErP

# FE3owlet

With AC motor technology

The new FE3owlet with AC motor is ready for the future with clearly improved performance features. The improved motor concept offers a new diversity and options such as the 60 Hz solution. The also-optimised motor cooling permits easy use of the robust motor even at very high temperatures. Combined with a bionic blade concept specifically developed for these needs and the option of differentiated adjustment to various blade angle settings or operating points entirely changes the operating quality for the user.

The new fan concept for AC motors reduces the noise values as well. The successful technical combination – bionic blade concept and motor – turns the new fan into a unique, new highlight of its kind even beyond and makes it ErP-compliant beyond 2020.

# FE3owlet

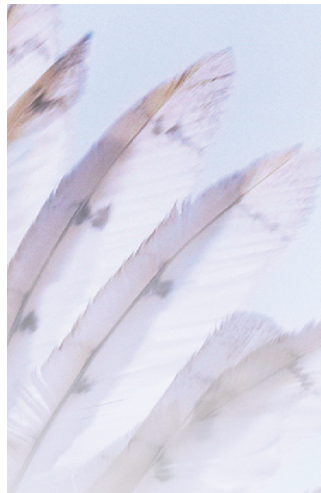
READY FOR THE

# ErP Future

*FE3owlet is already ready for the next level of ErP*

## FE3owlet – For Even Greater Diversity and Options

### Globally unique bionic blade concept for unsurpassed performance



The successful adaptation of essential insights from the wing shape of the nocturnal barn owl in development of the blade profile – with a profiled, sickled blade and a serrated trailing edge – leads to a blade design unique in the world with incredibly efficient flow behaviour, larger air volumes and drastically reduced noise development as compared to similar fans.



Following the model of the humpback whale, whose fins have to master similar challenges when swimming in the sea as the fans do, the engineers and technicians from ZIEHL-ABEGG adapted their insights for the new bionic blade shape of the FE3owlet. The FE3owlet now also profits from the optimal flow properties of the whale fin with its protrusions (tubercles) at the leading edge of the fin.

Future-proof

ZIEHL-ABEGG motors are ready for the future and ErP-compliant

50/60 Hz solutions

Higher nominal outputs are possible through new 60 Hz solutions

Perfect operating point

Ideal combination of blade angle and best efficiency of the motor

## Adjusted to Individual Needs

### Advantages at a glance

- ErP-compliant
- Improved acoustics
- 50 Hz and 60 Hz solutions possible
- Power adjustable to any need
- Low operating costs
- Can be used at high temperatures as well
- Maintenance-free use



# The Royal League

