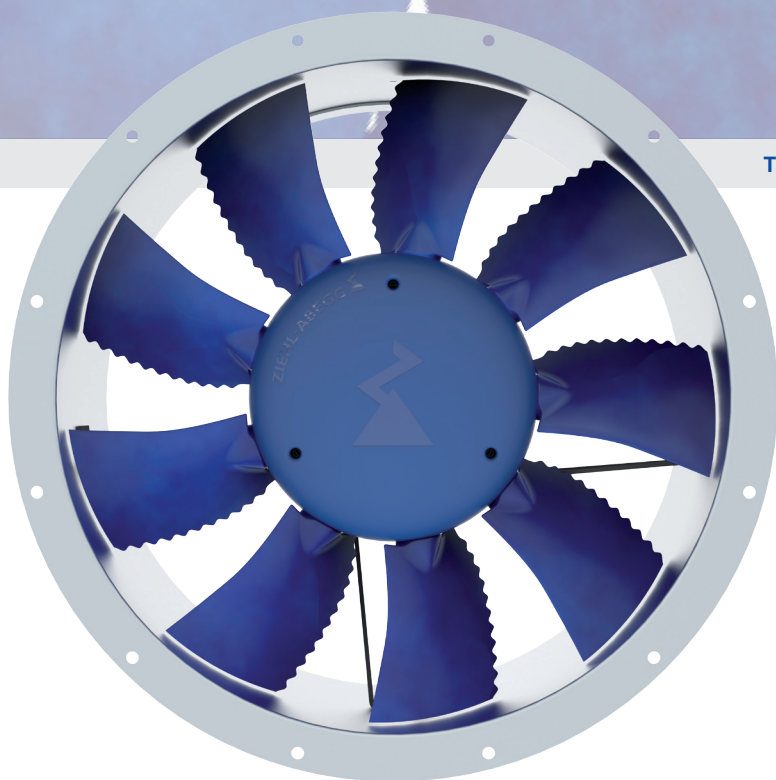




Movement by Perfection



The Royal League in ventilation, control and drive technology



## MAXvent owlet

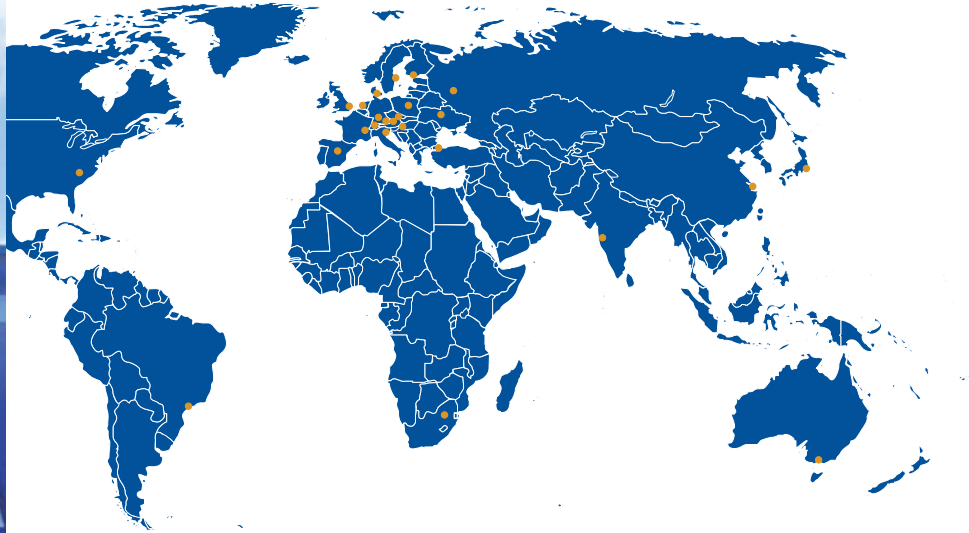
Efficient and quiet thanks to unique bionic inspired blades in **ZAmid**® Technology

Already compliant with ErP 2015 Directives





# No one can get passed the Royal League



ZIEHL-ABEGG has stood for movement by perfection in the ventilation technology, control technology and drive technology sectors for more than 100 years. What started with the invention of the first external rotor motor by Emil Ziehl is now being carried on at the company's sites around the world. We are the pioneers, masterminds and developers of technologies for the future which more than satisfy all demands to preserve an environment worth living in and to meet all our customers' requirements and wishes.

## Think ahead to the future - discover ZIEHL-ABEGG

We look forward to seeing you in ventilation, control and drive technologies. Where ideas are the daily challenge and where the latest, outstanding technologies are developed.

Welcome to the best.

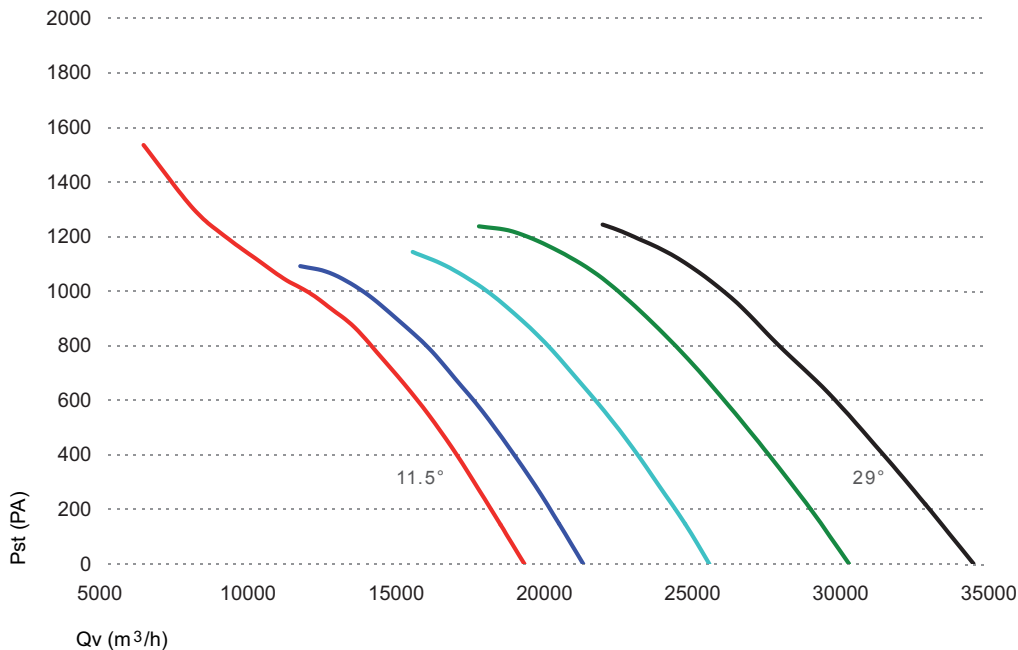
Welcome to the Royal League



# MAXvent owlet

## Medium pressure axial fans with unique bionic insights

A few years ago, the fan specialist ZIEHL-ABEGG set a key innovation milestone by introducing bionic inspired fan blades. Their unique design was inspired by nature, owls' wings providing the inspiration. Now, the third generation of the MAXvent owlet medium pressure fans is also benefiting from this proven experience. It offers low noise emissions with an improvement of up to 12 dBA compared with previous models.



DN63V 2 pole long casing with inlet bell-mouth

With the same fan size, you get up to 25% more pressure than with the previous generation. Or in some cases, to get the same pressure, you can reduce the motor size, dropping the cost of the solution.

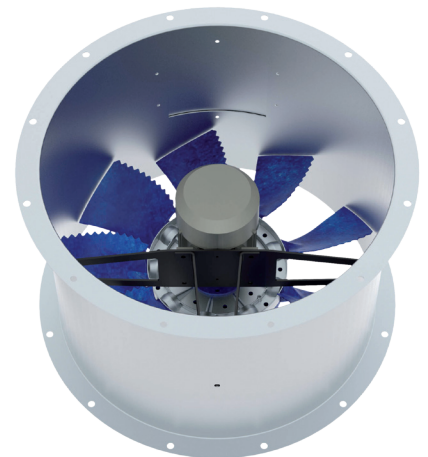
Thanks to the usage of the unique high performance composite material ZAmid, these lighter blades are corrosion-free and can allow up to 1900 Pa of static pressure.

## ZIEHL-ABEGG – Eco-friendly and Economical

### Highest efficiency exceeding ErP 2015 Directives

Heavy emphasis was placed on achieving the highest efficiency, enabling the achievement of efficiency increases up to 25%. As a result, the related energy cost savings translate into a Return on Investments of less than 2 years in some cases.

Indeed, the MAXvent owlet family is already compliant with ErP 2015 Directives - even using IE2 motors. ErP will be mandatory for utilisation in EU member states. With ZIEHL-ABEGG, you are on the safe side implementing fans that already exceed tomorrow's requirements.



The new high-tech fan with a unique bionic profile in **ZAmid<sup>®</sup> Technology** for the highest demands of the industry, the highest pressure ranges and uncompromising utilisation opportunities

**„extremely efficient“, „extremely modular“, „extremely durable“, „extremely quiet“, „extremely economical“**

- The highest efficiencies, up to 25% better efficiency
- Modular use for both AC and ECblue motors
- Extremely quiet in use - enormous noise reduction (up to eight times quieter)
- Tremendously reduced operating costs
- System competence from one company
- Factory adjustable blade pitch angle

**Already corresponds to ErP 2015 Directives**



# MAXvent owlet

Medium pressure axial fans  
with unique bionic insights

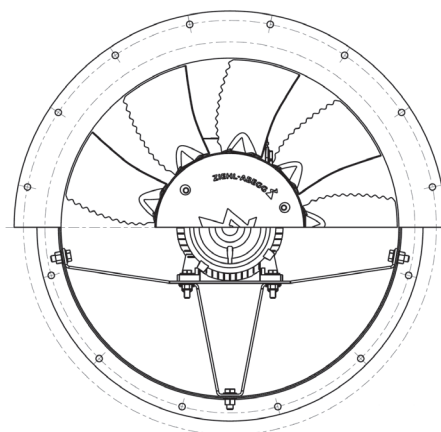
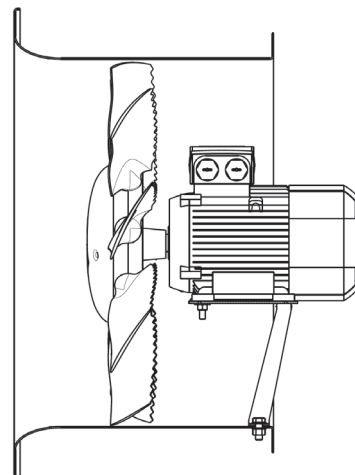
## High flexibility with state of the art performance

MAXvent owlet is a highly flexible family of axial fans with no compromise on specification.

Standard features includes:

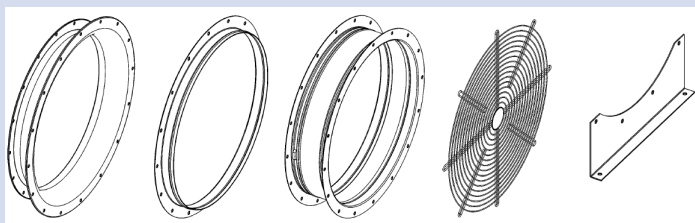
- 13 fan diameters ranging from 315 to 1400 mm, motors are available in 2, 4, 6 or 8 pole configurations\*.
- Factory adjustable blade pitch angle to meet the exact duty point requirements.
- Short and long casings designed to Eurovent standard dimensions.
- Normalised asynchronous internal rotor motors (IP55 and energy efficiency class IE2 & IE3).
- Standard operating temperature range from -20°C to 50°C. Min./Max temperatures on request: -40°C ... +80°C
- Capable of providing more than 1900 Pa of static pressure, air flow up to 130 000 m³/h.
- For high tip speed versions, unique composite material blades ZAmid.

\* Range from 710 to 1400 mm will be available in Q1 2013.



## Accessories

Numerous options including integrated inlet bell-mouth and guard-grilles for maximum modularity:



Please contact us for ECblue motor version, square plates and stainless steel casing, explosion proof, high temperature or high humidity requirements, and specific corrosion treatments.



MAXvent owlet are 100% speed controllable





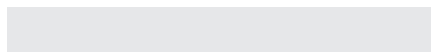
## Applications

Multiple: condensers, cooling towers, evaporators, dry coolers, blast freezers, agriculture, food processing, drying technologies, cooling of motors, cooling of transformers and machinery, water treatment, chemical and metallurgical production, railway and ATEX.

With locations in 30 countries, ZIEHL-ABEGG is offers the worldwide coverage requested by OEM industrial customers.



# The Royal League



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