

Movement by Perfection



The Royal League in ventilation, control and drive technology



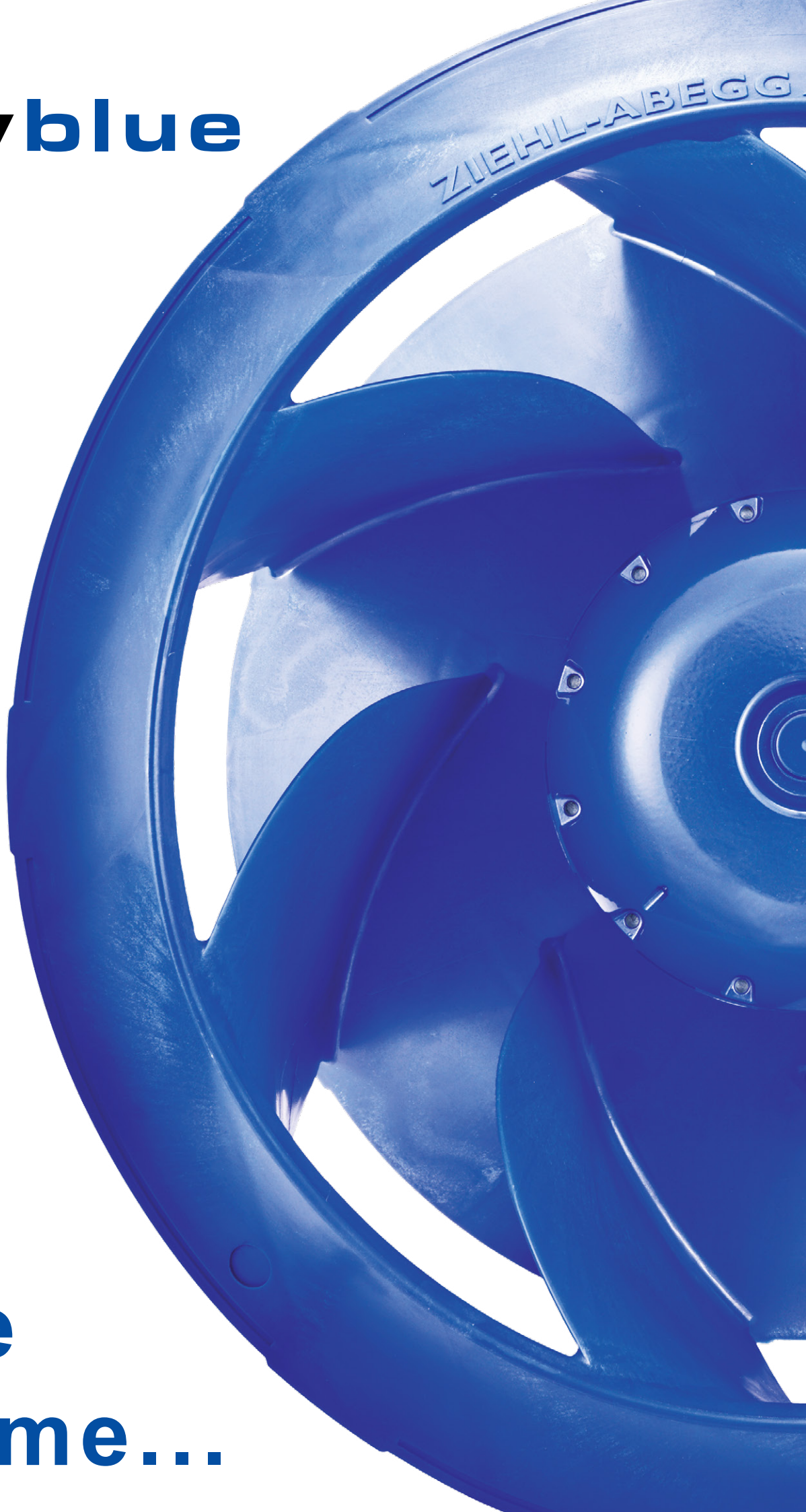
ZA vblue

Increased air flow at smaller diameter

ZAvblue

ZIEHL-ABEGG

**More
volume...**



A blue fan with a skull inside. The fan is shown from a low angle, looking into the center. The skull is positioned in the center of the fan's blades. The fan is blue and has a circular shape. The skull is white and has a human-like face. The background is white.

always fits!

**... by even
smaller size**

ZAvblue

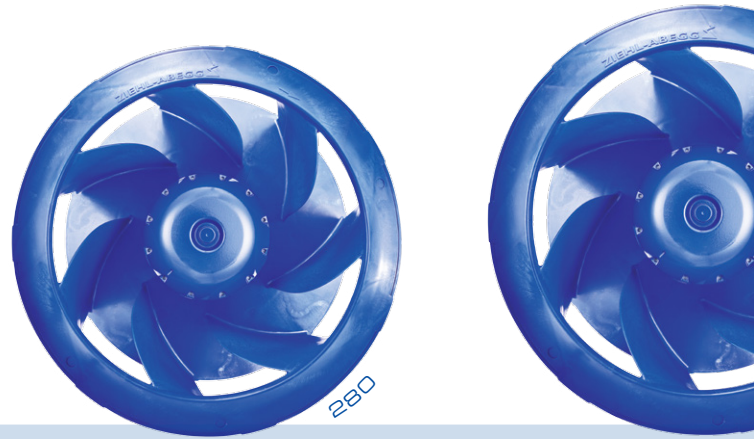
the new radial fan for more air flow at smaller diameters

Compact – flexibly usable – always fits

ZAvblue is the answer to all requirements regarding perfect ventilation at high air flow rates. In spite of an extremely small, compact construction, the fan brims with an incredible performance

A gain in every situation

No matter if you decide for AC or EC technology – ZAvblue always fits. With the common overall height like usual market standards, an immediate change to your new best solution ZAvblue is possible at any time. The new compact construction of the fan enables in parts the usage of smaller frame sizes as before – without loss of power. In addition to the cost savings resulting from highest efficiencies at the operating point, performance- air- and redirection losses have been reduced significantly, making the ZAvblue an absolute air flow wonder.



280mm...

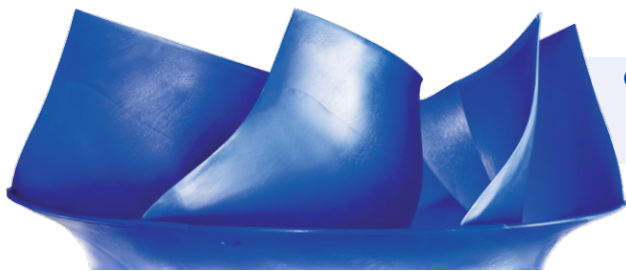
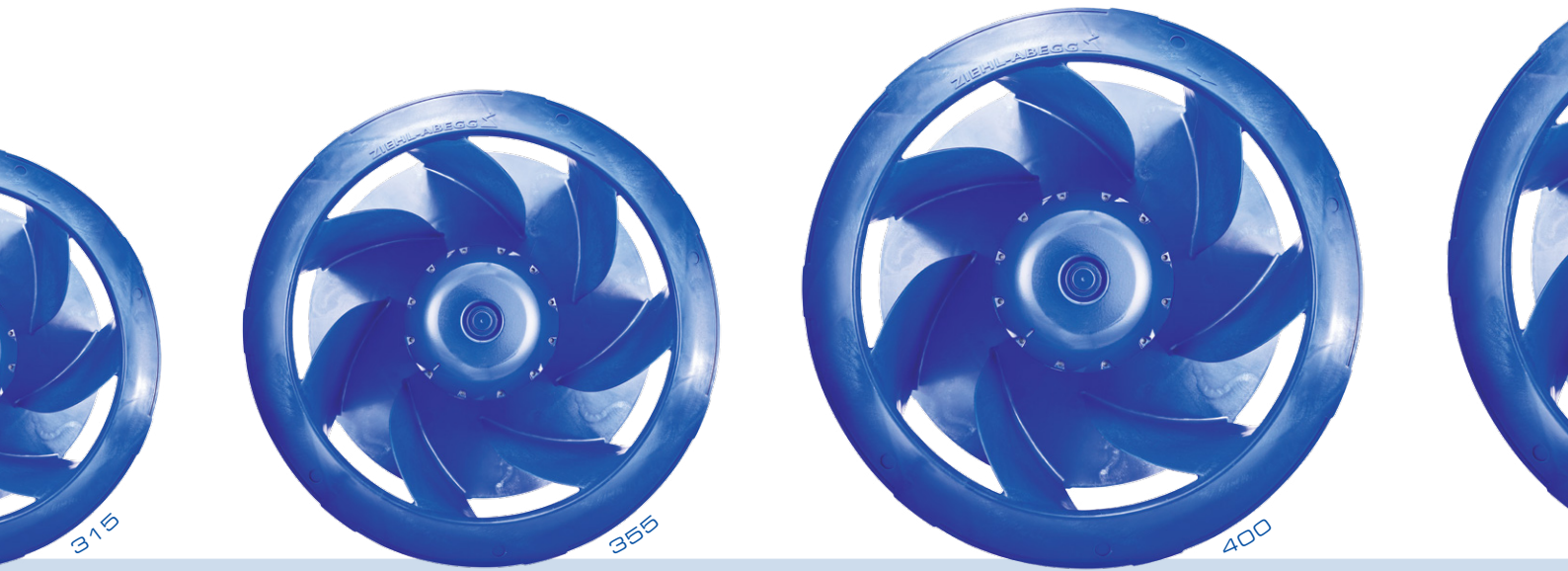
At a glance

- Change of the motor technology without any problems because of common overall height with AC and EC technology
- More air flow by smaller diameter and reduced noise level
- Energy cost saving by highest efficiency at the operating point
- Smaller and more compact diameter than market standard - therefore immediately changeable and applicable
- Virtually no air, performance and redirecting losses thanks to an unique blade geometry
- Optimum efficiency at higher air flow rates combined with a wide efficiency range
- ErP compliant even with AC motor technology
- Manufactured in a highly complex one-shot injection moulding process without any welded seams for maximum process reliability

Applications:

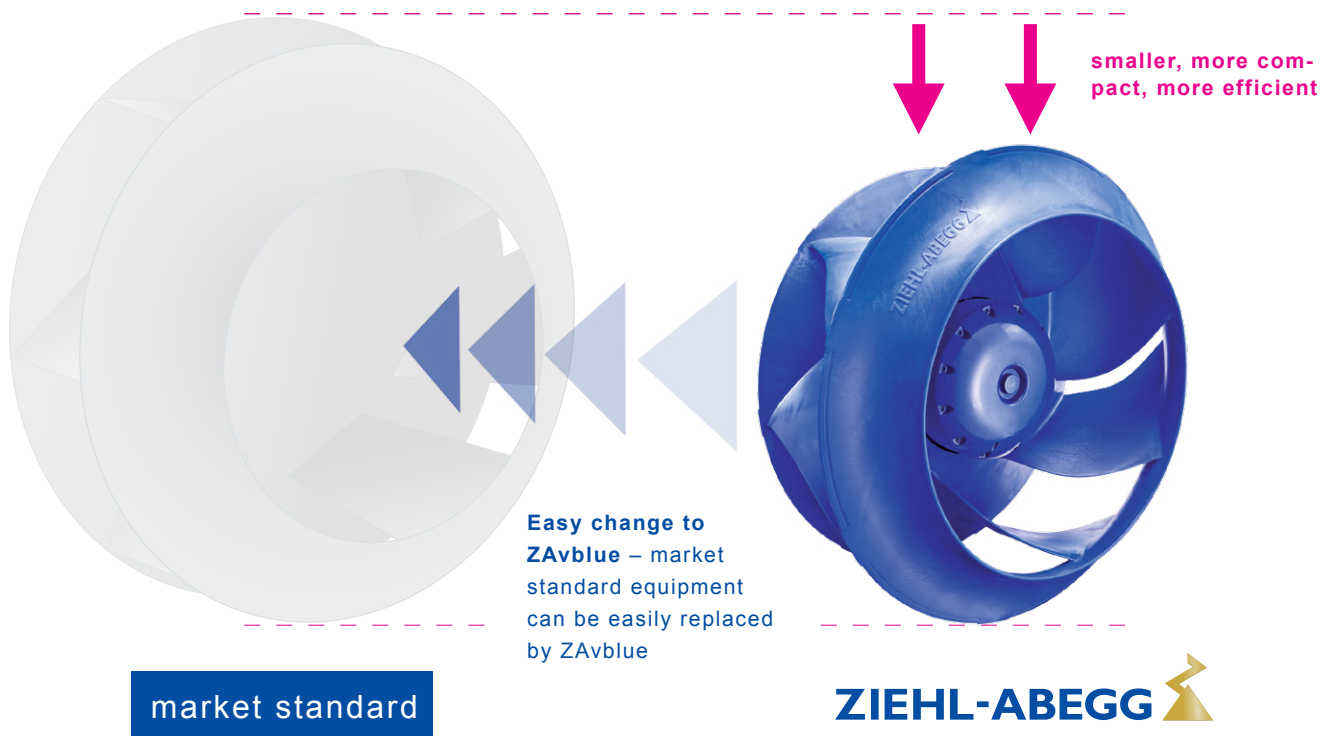
Ventilation (roof, tube and duct fans), high precision air conditioning units (cooling of data centres), cleanrooms, heat pumps, compact air conditioning units

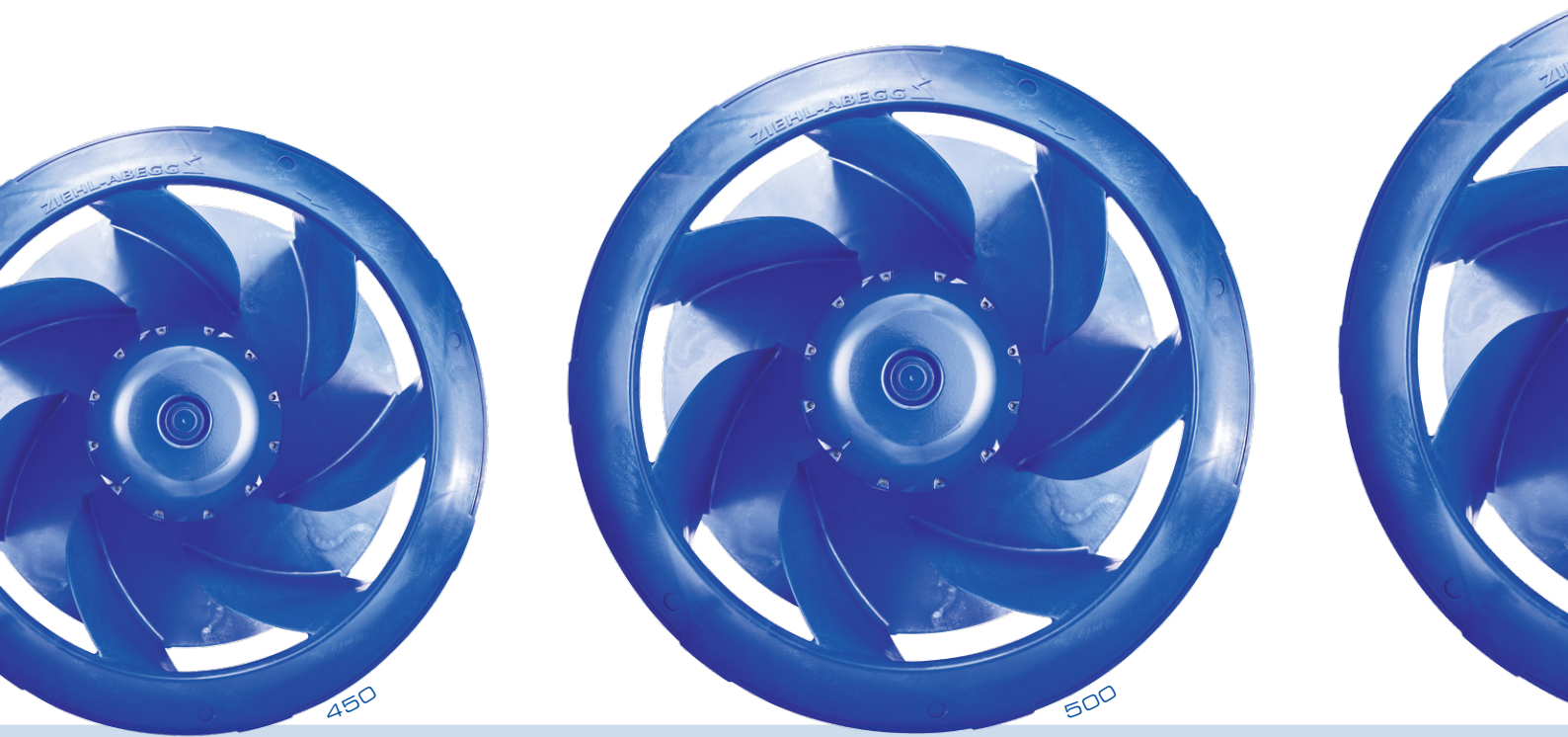




One of many strengths for highest efficiency – the new extraordinary blade geometry

More volume – even smaller size – always fits!





ErP 2015

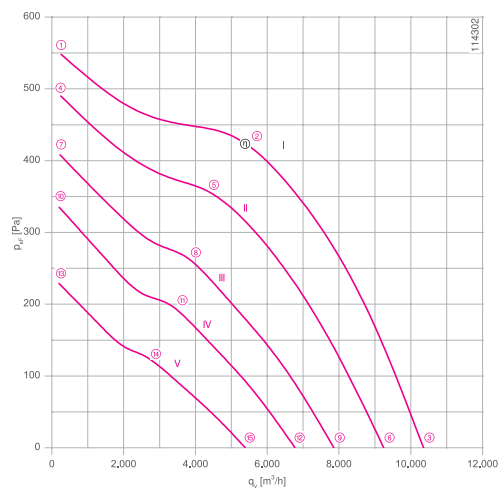
The ErP 2015 completely under control

ZAVblue is compliant to the ErP Directive, also with AC motor technology (in the main 4- to 6-pole motors)

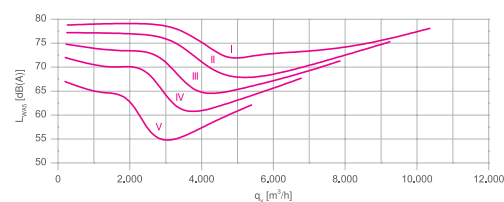
Unbeatable motor technology whether AC or ECblue



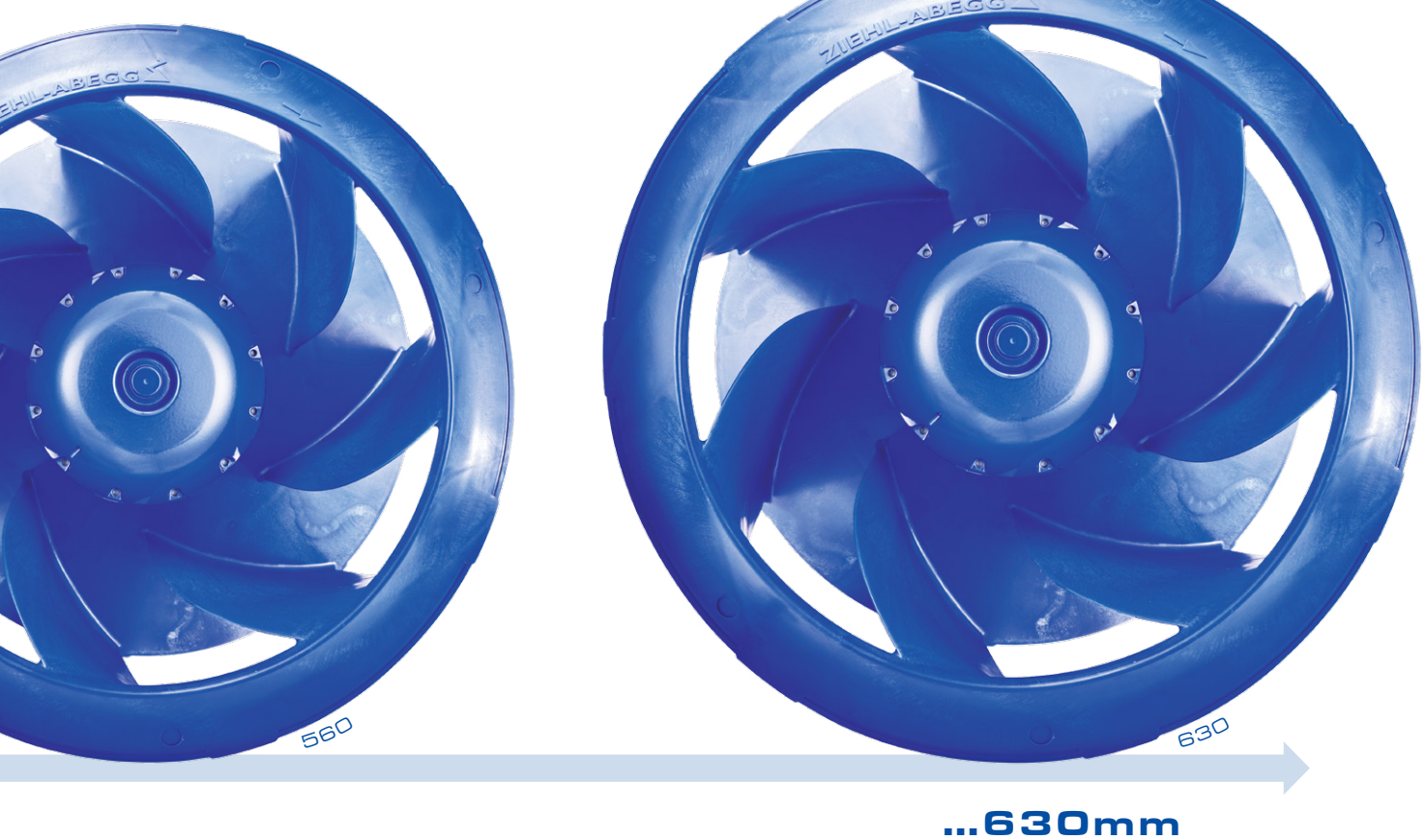
The common overall height allows a trouble-free change. ZAVblue can be combined with either our highly efficient, energy-saving ECblue motors or the perfected AC motors for a complete system. We offer both combinations as system unit ErP compliant.



Characteristic line RH50V-4DK.6K.VR, 50Hz, 4-pole



Characteristic line RH50V-4DK.6K.VR, 50Hz, 4-pole



The air flow wonder ZAvblue – in diameters 280-630 mm

For each application and every equipment the right decision. ZAvblue is available in diameters from 280 mm to 630 mm. Because of its compact construction and its extremely high air flow a smaller diameter is sufficient to achieve the same performance compared to usual market standards. Due to this, the respective customer equipment can be designed and implemented even more compact and cost-effective.

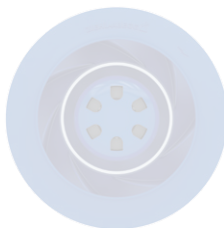
In smaller diameters extraordinary, too!



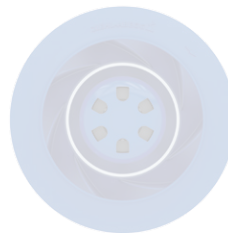
175
in process



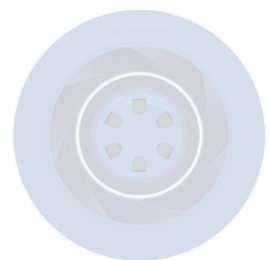
190



220
in process



225
in process



250
in process

Optimized impeller geometry, highest efficiency and an innovative blade design – ZAvblue offers all this also in small diameters. The reduction of the tonal noise of the ZAvblue impacts notably on the overall noise behaviour, making the ZAvblue unbeatably in the matter of noise – in comparison with other market-based fans the ZAvblue reaches the lowest noise level. With a system efficiency factor up to 2.7% compared to the usual market standard, the ZAvblue is unmatched in terms of efficiency.

Further frame sizes in addition to the ZAvblue 190, are being already planned.

Your benefits at a glance

- Highest system efficiency factor – approx. 2.7% higher than usual market standard
- In comparison 1.5dB reduced noise behaviour – lowest noise level at the sector
- With ZIEHL-ABEGG high efficiency motor ECblue 055 **NEW!**

Applications:

Control cabinet cooling, duct and tube fans as well as residential ventilation units

The Royal League

