

Movement by Perfection



The Royal League in ventilation, control and drive technology



ZA vblue

Increased air flow at smaller diameters

ZAvblue



**More
volume...**



always fits!

**... even at
smaller sizes**

ZAvblue

the new radial fan for more air flow at smaller diameters

Compact – flexible – always fits

ZAvblue is the answer to all requirements for 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. The new compact construction of the fan enables the usage of smaller frame sizes than before – without loss of power. In addition to the cost savings resulting from highest efficiencies at the operating point, performance, redirection and air losses have been reduced significantly, making the ZAvblue an absolute air flow wonder.



250mm...

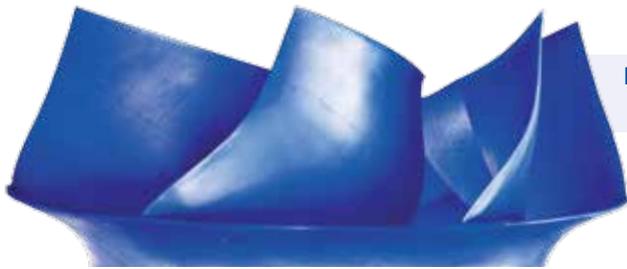
At a glance

- Motor technology can be easily switched from AC to EC, or vice versa.
- More air flow with a smaller diameter and reduced noise level
- Energy cost saving with the highest efficiency at the operating point
- Smaller and more compact diameter than others on the market
- Virtually no performance, redirecting or air losses thanks to its 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 molding process means no welded seams for maximum process reliability

Applications:

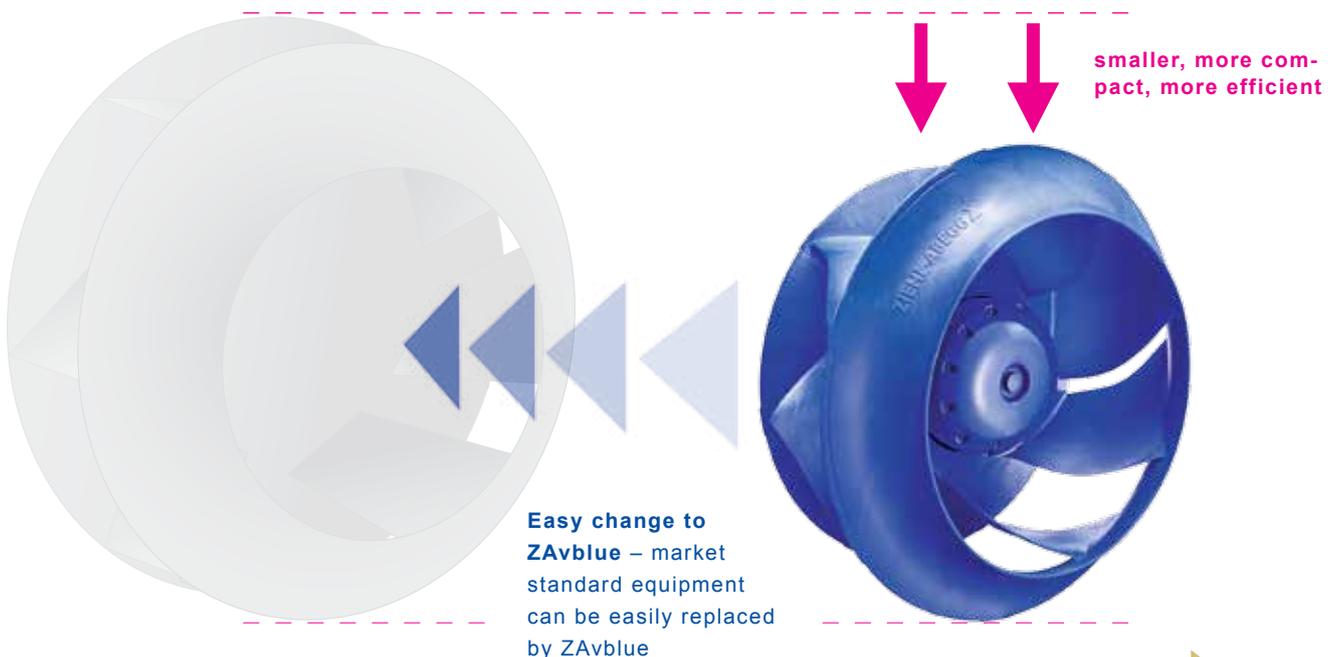
Ventilation (roof, tube and duct fans), high precision air conditioning units (cooling of data centers), cleanrooms, heat pumps, compact air conditioning units





For highest efficiency –
new extraordinary blade geometry

More volume – even smaller size – always fits!



Market Standard

ZIEHL-ABEGG 



ErP 2015

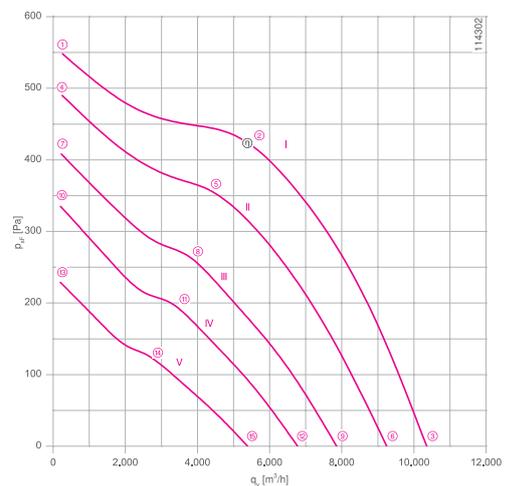
ErP 2015 completely under control

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

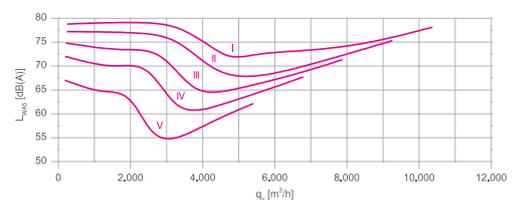
Unbeatable motor technology whether AC or ECblue



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

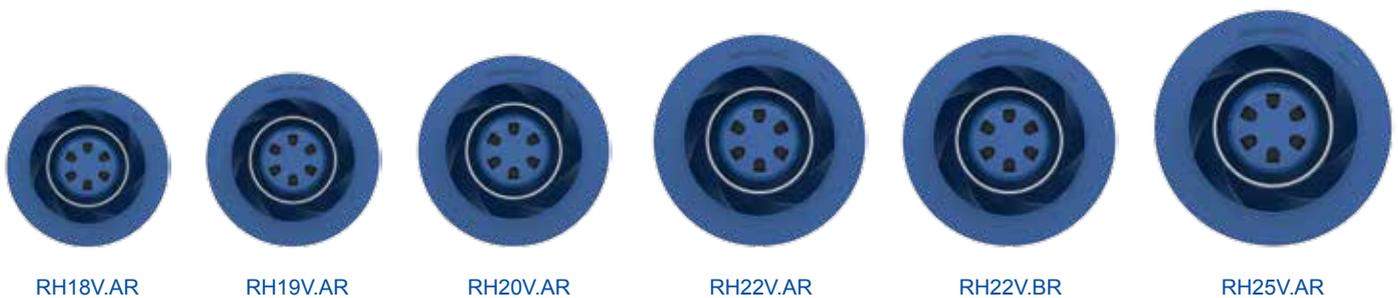


...630mm

The air flow wonder ZAvblue – in diameters 250-630 mm

ZAvblue is available in diameters from 250 mm to 630 mm. Because of its compact construction and extremely high air flow a smaller diameter is sufficient to achieve the same performance as traditional market standards. The corresponding customer equipment can then also be designed and implemented in a more compact and cost-effective manner.

In smaller diameters extraordinary, too!



RH18V.AR

RH19V.AR

RH20V.AR

RH22V.AR

RH22V.BR

RH25V.AR

Optimised impeller geometry, maximum efficiency and an innovative blade design - big or small, the ZAvblue series offers all this and more. ZAvblue impellers, combined with EC055, come in six different sizes. Reducing the blade passing noise has a significant impact on the unit's sound characteristics. In terms of running and system efficiency, the ZAvblue is unrivalled, with a static systems efficiency level of up to 54%. In conjunction with the highly efficient EC055 motor, it is possible to reach static pressure increases of up to 1,000 Pa and free-blowing flow rates of up to 1,600 m³/h.

Your benefits at a glance

- Optimal efficiency at high flow rates, combined with broad range
- Optimised impeller geometry, innovative blade design (applies to smaller sizes as well)
- EC blue motor technology for maximum efficiency and energy-saving potential
- Available in six sizes (175-250)

Areas of application:

Controlled living space ventilation, control cabinet and electronics cooling, duct and tube fans, home ventilation devices.

The Royal League

