

Ready for the next Generation

We have accelerated impeller technology with the Evo series, the new generation in our plug fan range. The result: More efficiency and reduced turbulent conditions. And that is highly effective as the Evo series ensures:

- lower energy consumption
- lower costs
- lower noise levels

Nicotra Gebhardt – the professionals in profiling

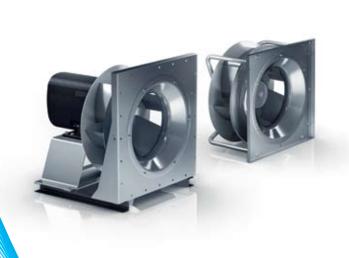
Nicotra Gebhardt is the first port of call for profiled impeller blades. We brought the first hollow section airfoil blades onto the market in 1975. Since then we have been achieving the absolutely best efficiencies in our fans in every application.

Our engineers and technicians use the latest simulation programmes to develop and test new designs. You can rely on the knowledge and experience of specialists.

Don't wait until 2015

Fans must reach ever higher system efficiencies. The EU's ErP Directive will prescribe compulsory values in 2013 and will increase them again in 2015.

The new generation of plug fans by Nicotra Gebhardt, already achieved higher efficiency in 2011 than that required as from 2015.





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The evolutionary elements





The plus factors of the new Generation



Unparalleled system efficiency for plug fans

The Evo series sets a new standard in efficiency. No other plug fan reaches higher system efficiency.



Innovative blade and impeller shaped for highest efficiencies

The entire shape of the impeller was optimised using a real turbulence profile for the blades.

This ensures that the impeller reaches as yet unparalleled high efficiency and takes the top position in aerodynamics.





Optimal pressure and turbulence conditions

The re-designed impeller shape makes optimal pressure and minimised turbulence conditions in the impeller possible.

The inclined leading edge of the blade builds pressure more evenly minimising entry and exit losses.



Low operating cost brushless DC motor

The brushless DC motor used by Nicotra Gebhardt is markedly more efficient than conventional drives: It reduces the energy

consumption of the fan for partial loads by up to 50 %.





Much quieter

Thanks to their new design the blades and the impeller run with less noise. The entire fan is thus much quieter.



Easy to integrate

06 Despite their improved performance figures, the Evo series have the same external dimensions and significant operational data as earlier generations of plug fans.

They can therefore be easily and quickly exchanged in existing systems or integrated in available machine concepts.



Easy maintenance

Thanks to the construction method and direct drive the Evo series is practically maintenance-free.



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