

The AxiTop diffuser.

Listen to the difference.

ebmpapst

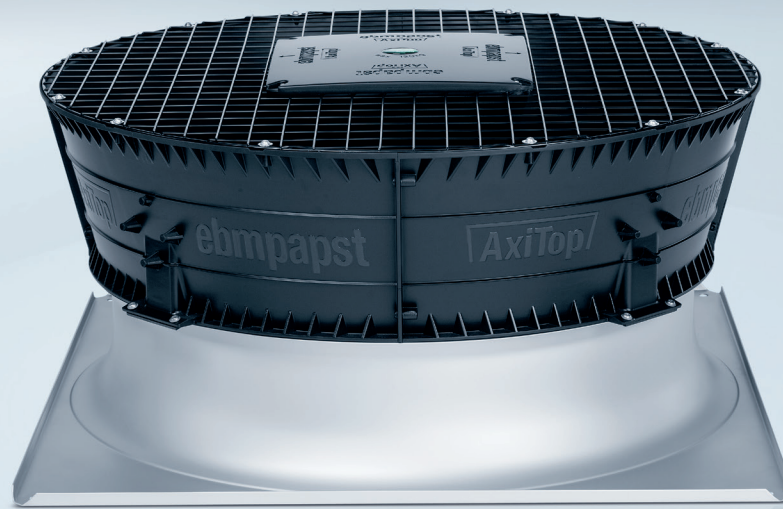
The engineer's choice



The whispering power pack.

The breakthrough for greater efficiency and less noise: our AxiTop diffuser provides a substantial improvement in efficiency and at the same time reduces operating noise. Its pressure-boosting effect minimizes discharge losses and makes it easier to adapt the fan to commercially available heat exchangers. With the diffuser, a large part of the dynamic airflow energy is converted into static pressure. This greatly improves efficiency making it possible to reduce operating speed and thus noise.

In practice, the new diffuser offers far more design freedom for users and developers, only adding approximately 7 inches in height. The AxiTop does not exceed the base dimensions of the attached fan. The straightforward adaptation on an existing wall plate permits a simple retrofit on existing systems, without the customer having to make any modifications. Currently the AxiTop diffuser is available in 4 sizes for use with fan diameters of 710, 800, 910, and 1250mm.



Example: 800mm diameter fan with AxiTop mounted. It is still within the conventional dimensions even with the AxiTop.

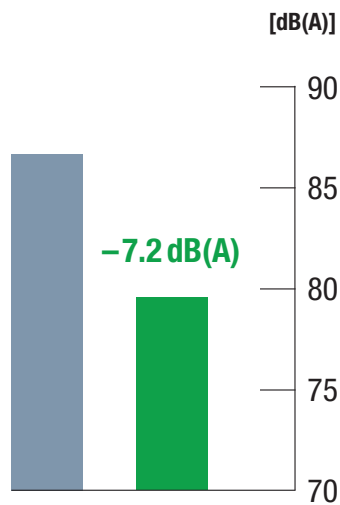
Inner values that impress.

AxiTop is a gain for every application. But how you make use of this benefit is your decision. The greater efficiency allows you to reduce the speed, lowering the acoustic pressure by up to 7.2 dB(A) and energy consumption by up to 27 % with unchanged airflow. That could save you up to \$500.00 in energy costs per fan per year.* Alternatively, you could make use of the greater efficiency to boost air performance by up to 9 % with comparable energy consumption. That would enable the area of the heat exchanger to be reduced, for example. With AxiTop you have never been so flexible in the design of your refrigeration application!

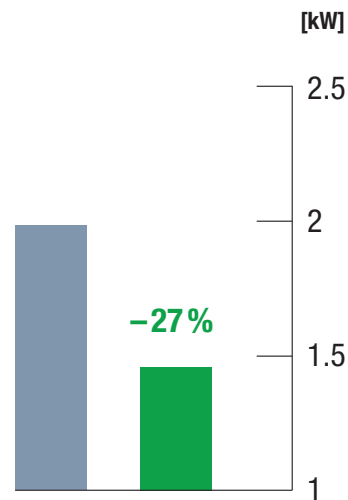
* with a running time of 6,000 hours per year per fan and a kWh price of \$0.17

Find your added value. Comparison: EC fan without AxiTop and EC fan with AxiTop:

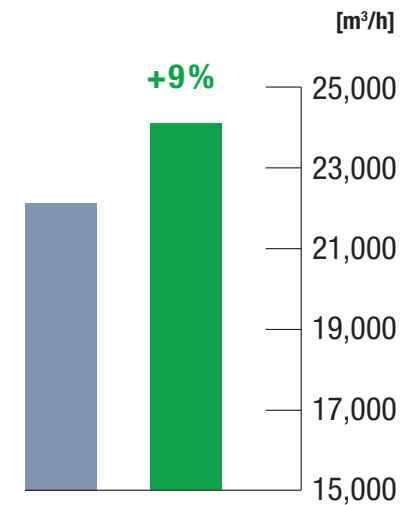
Reduced noise at same air volume



Less energy consumption at same air volume



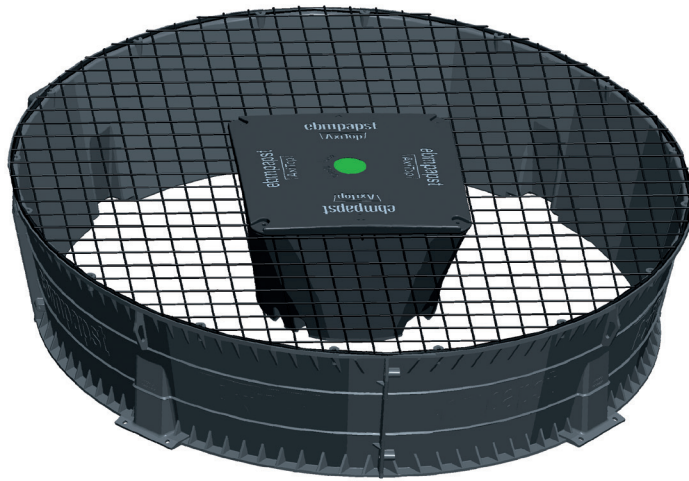
Increased air volume at comparable energy consumption



Comparison figures measured in application, each with EC fans of size 800.

Your benefits at a glance:

AxiTop

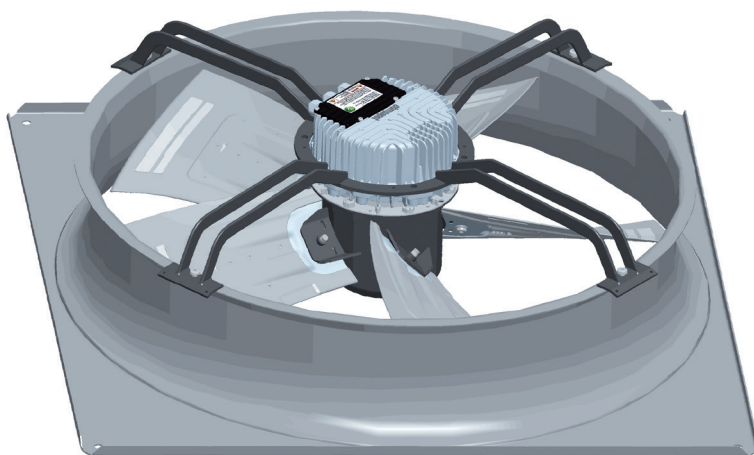


Noise reduced by up to
7.2 dB(A)

Up to 27 % lower
energy consumption

Up to 9 %
greater air performance

Compact dimensions



No need for design modi-
fications by the customer

Straightforward retrofit

= Maximum customer benefit!

Efficiency taken further.

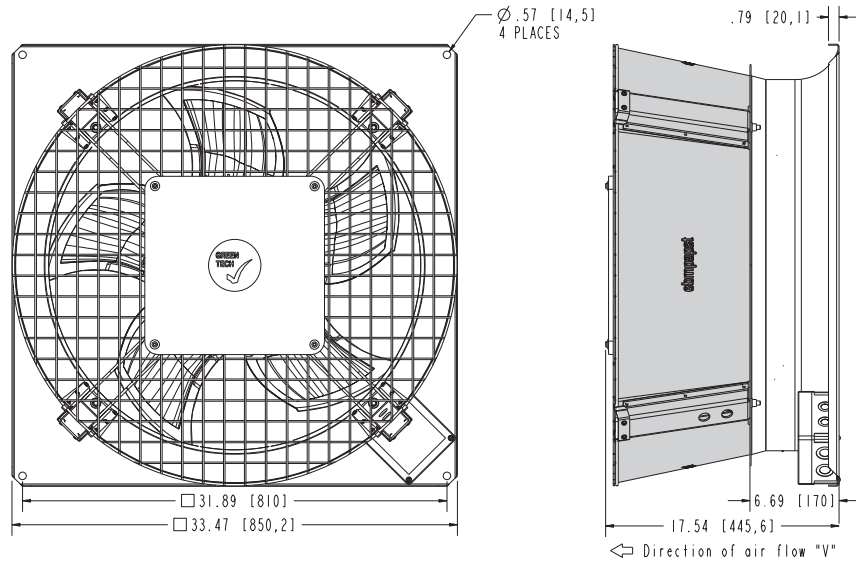
As the market leader in ventilation and drive technology, it is our daily challenge to improve our products even further. For years, we have been developing the most energy-efficient drives. We use integrated electronic components to regulate energy consumption down even further – literally. Innovative materials make our products ever lighter and permit aerodynamic optimization at the tips of the blades. All together, that makes fans made by ebm-papst the quietest and most efficient in the world.

How can we go one better? Literally with a plug-on diffuser which diverts the airflow in the right direction after it has exited the fan. This is where the greatest potential for optimizing noise behavior and efficiency can be found – potential which until now has hardly been tapped. With the AxiTop diffuser, you can now use this potential for your cooling and refrigeration applications – in the simplest manner feasible: plug on and benefit.

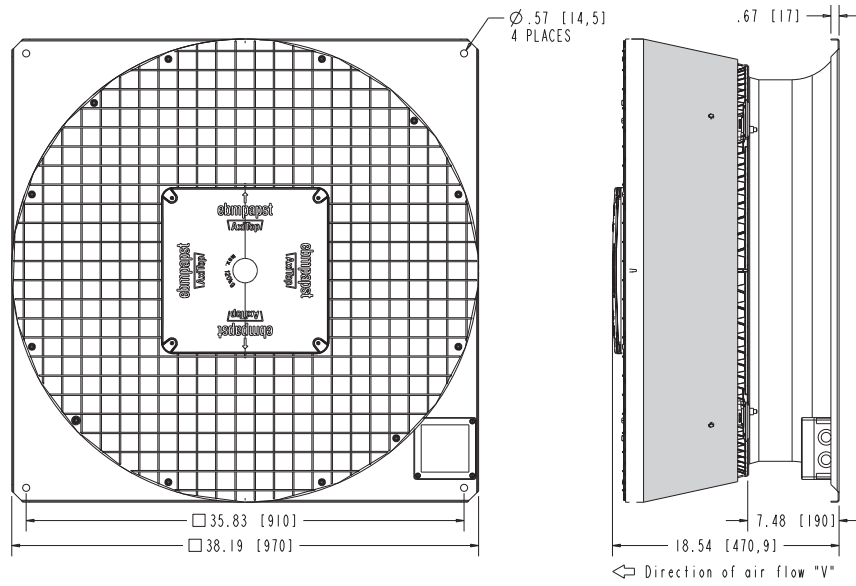


The new AxiTop diffuser can easily be retrofitted to existing systems such as this one.

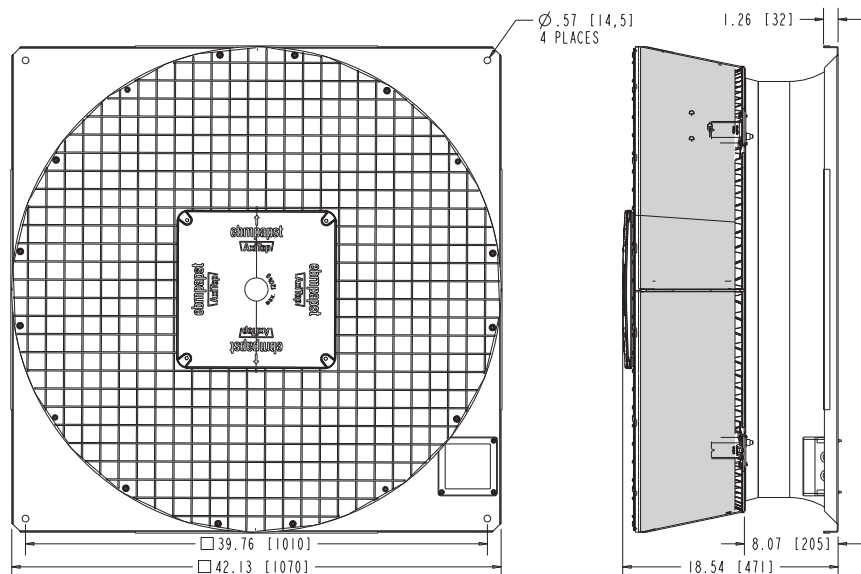
AxiTop for 710 mm axial fan
(Sheet Steel)



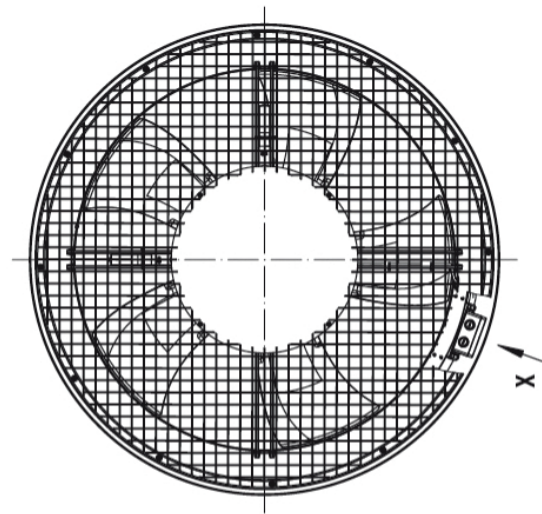
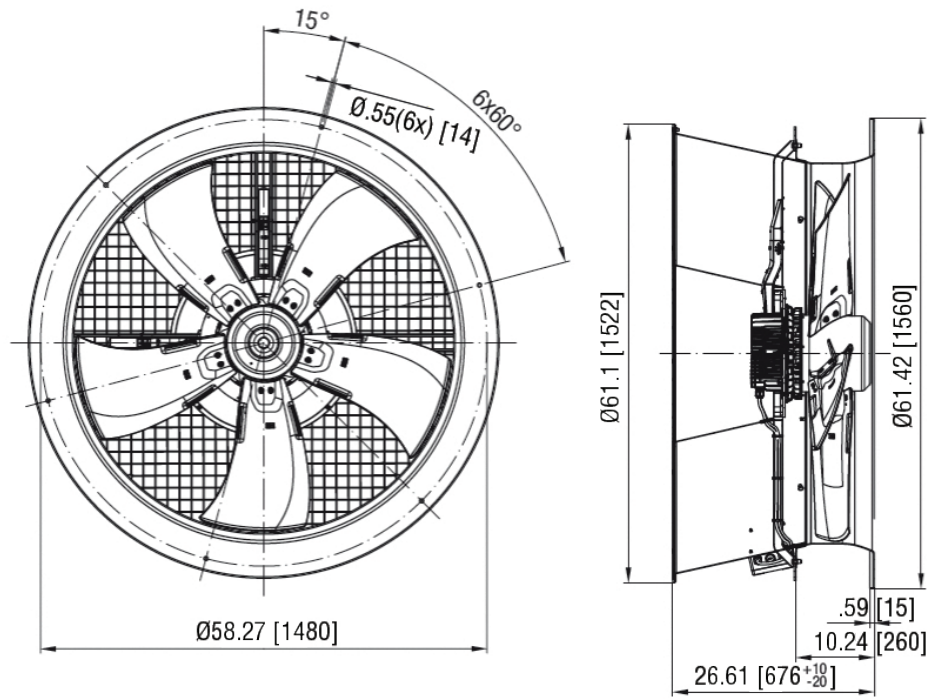
AxiTop for 800 mm axial fan
(Thermoplastic Polymer)



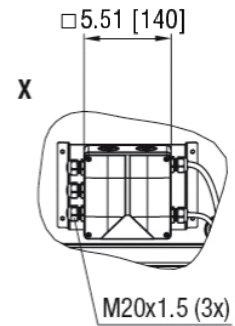
AxiTop for 910 mm axial fan
(Thermoplastic Polymer)



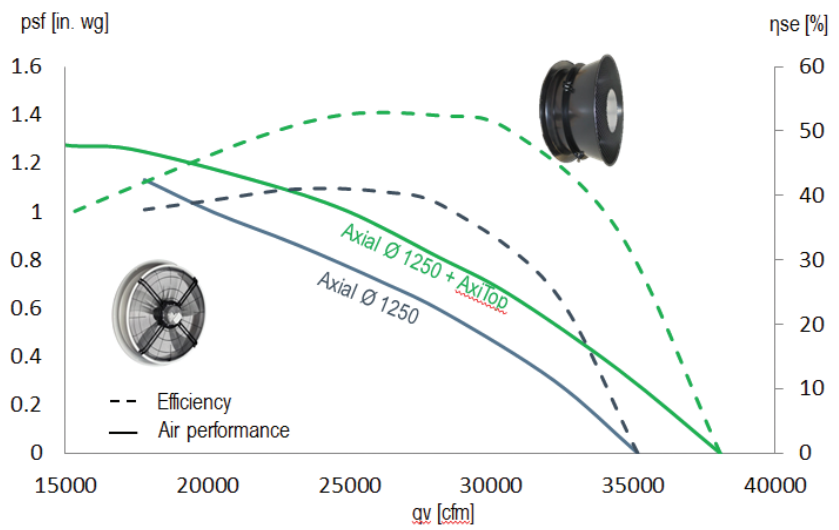
AxiTop for 1250 mm axial fan
(Sheet Steel)



◀ Direction of airflow "V"



Higher air performance and
static efficiency with AxiTop



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