



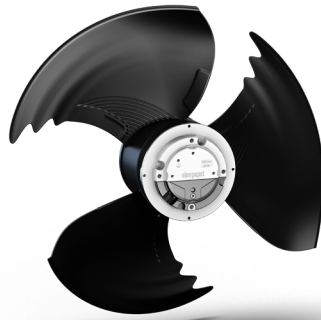
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engineering a better life

# inaudible

*AxiTone. So you only hear what's really important.*





## *Three blades for optimum noise at optimum efficiency.*

The AxiTone's special design ensures particularly low drag, resulting in low tonal noise.



Low noise at optimum efficiency



Increased efficiency compared to other 3-blade solutions

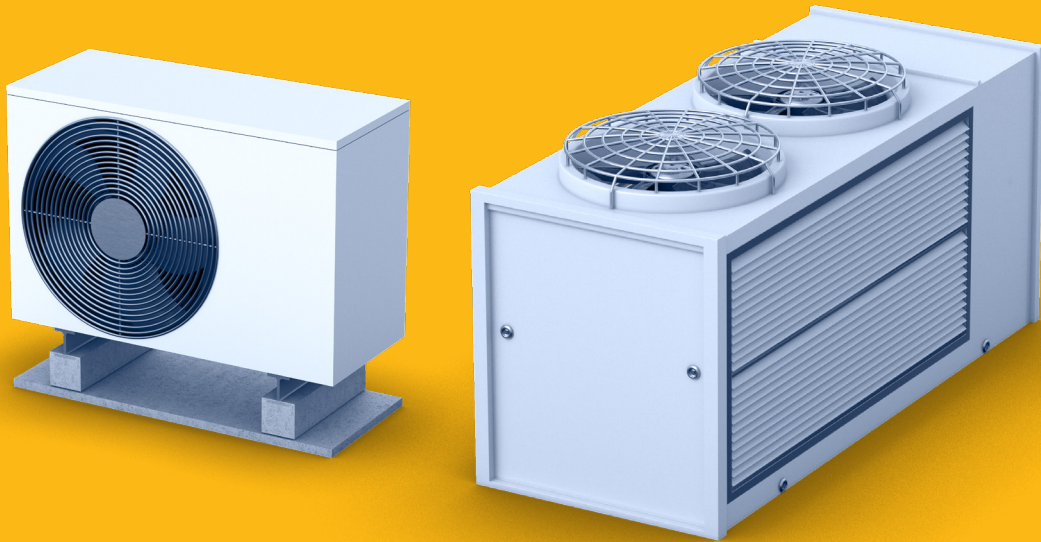


Designed for low back pressures



Optimized use of materials

# *Developed for applications in noise-sensitive environments: AxiTone.*



There are many applications where low noise is extremely important. After all, there should be no noise pollution in the direct vicinity of heat pumps or refrigeration systems. With the AxiTone, we have developed a fan that not only operates particularly quietly, but also has its optimum efficiency at the optimum noise level.

Its special design with only three blades has made this possible, as it results in less turbulence and noise. So ideal conditions for use in heat pumps for private households, air conditioners in residential areas, or outdoor condenser units. To put it briefly: anywhere where powerful performance must go hand in hand with low noise.

# *All good things* come in threes.

At least as far as the design of the AxiTone's blades is concerned, as its special design ensures particularly low noise.

Of course, there are more than just three things that set the AxiTone apart. You can see all the important special features in detail here.

## Winglet on the outer blade edge

- + Reduces backflows in the tip gap
- + Reduces noise
- + Increases energy efficiency

## Stiffening ribs on the back of the blade

- + High dimensional stability
- + Improves condensation drain

## Serrations on the front edge of the blade

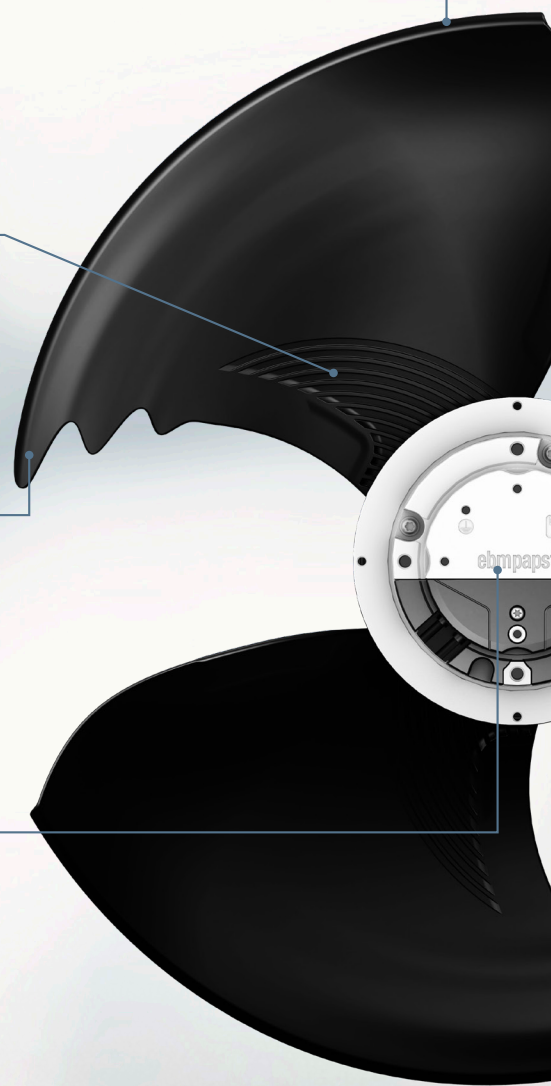
- + Reduce the sensitivity of the blade to turbulence
- + Reduce noise

## Modern EC-Motor

- + Runs quietly
- + Highly efficient
- + Optionally with MODBUS interface

## Various air flow directions possible

- + Drawing air in
- + Pushing air out







### Three blades

- + Rotating tone in low frequency range
- + Pleasant tonal noise

### Fan impeller made of composite material

- + Low weight
- + Corrosion resistant

### Flexible range of applications

- + Proven concept
- + Can be used in existing nozzles/fan housings
- + FR-A and FR-V possible.
- + Increased moisture protection with optional rotor cover

### Plug & Play

- + Optionally with motor suspension, support grill or guard grill
- + Optionally with fan housing

### Fit for the future

- + Motor and electronics suitable for applications with flammable refrigerants

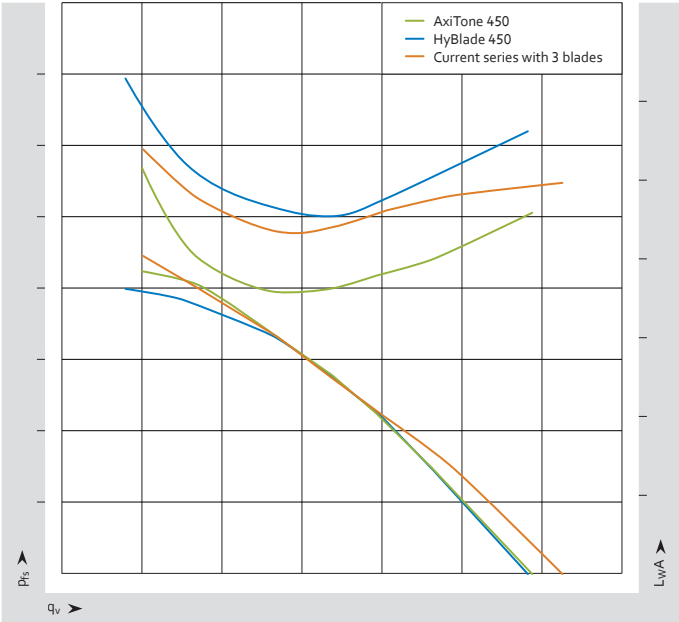
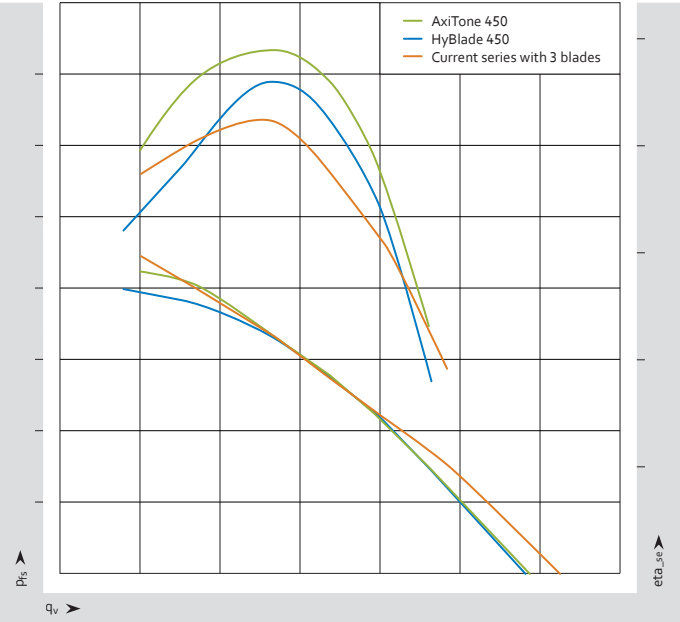
# Perfect combination of silence and strength: *The AxiTone series.*



## Other sizes and information?

All the information on this page relates to the currently available size 450. As soon as further measurements have been completed and all the data is available, we will also be pleased to provide you with the results for sizes 500 and 630. Simply make a note here in the contact form and you'll be the first to hear about it, we promise.

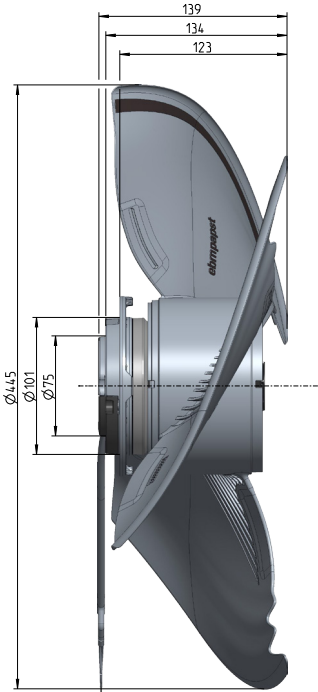
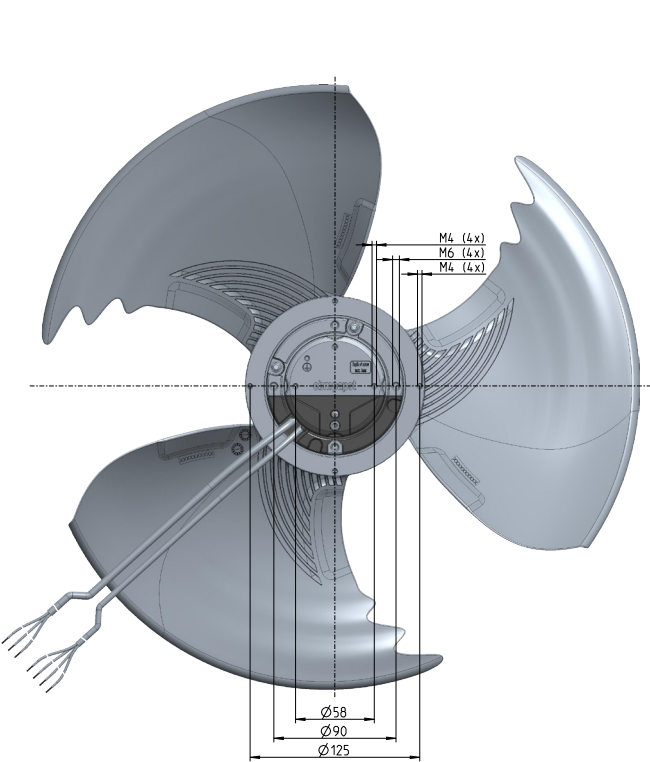
[ebmpapst.com/axitone](http://ebmpapst.com/axitone)



Characteristic curves for AxiTone size 450

Nominal data	Air flow*	Nominal voltage	Frequency	Speed	Max. power consumption	Sound power level LwA	Max. back pressure	Permitted ambient temperature	Degree of protection
Type	m <sup>3</sup> /h	V AC	Hz	rpm	W	db(A)	Pa	°C	IP <sup>-1</sup>
VVY0450NSNJS	2,850	230	50/60	1,060	164	60	80	-25...+60	54

All dimensions in mm. Data sheets available on request. Preliminary data. Subject to technical changes.  
 \*in free air operation.





## *How to reach us.*

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and your solutions even better.

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