



Air Optimizer



Constant air pattern even without underpressure

Better air steering with minimum ventilation

Low heating costs

Stepless variable

Air Optimizer

When minimum ventilated, the air optimizer mixes oxygen rich outside air with warm stable air. A fan is used to blow the air into the middle of the house and also pulls down the unused hot air to animal level.

Material

The Air Optimizer consists of 1 fan (Ziehl-Abegg) and a plastic hood. With the hood you can control the steering.

Advantages for layers (with pop-hole doors)

- > When the pop hole doors are opened you can maintain the same ventilation pattern in the house.
- > During periods of minimum ventilation the air is more evenly distributed in the house.
- > The airflow to the middle is good, even when the under-pressure disappears.

Advantages floor housing (broilers, rearing)

- > Less ventilation is required, because there is a larger % of oxygen for the animals.
- > Lower heating costs, because the Air Optimizer brings down the hot air from the ridge.
- > The ventilation pattern is guaranteed, even when the underpressure is not optimal.

Advantages for pigs and calves housing

All advantages which are mentioned above.





Technical information

Ziehl Abegg fans characteristics

Maximum capacity [m ³ /h]	2,000
U [V]	230
f [Hz]	50
P [kW]	0.15
I [A]	0.17
n [rpm]	1,300
db [A]	65

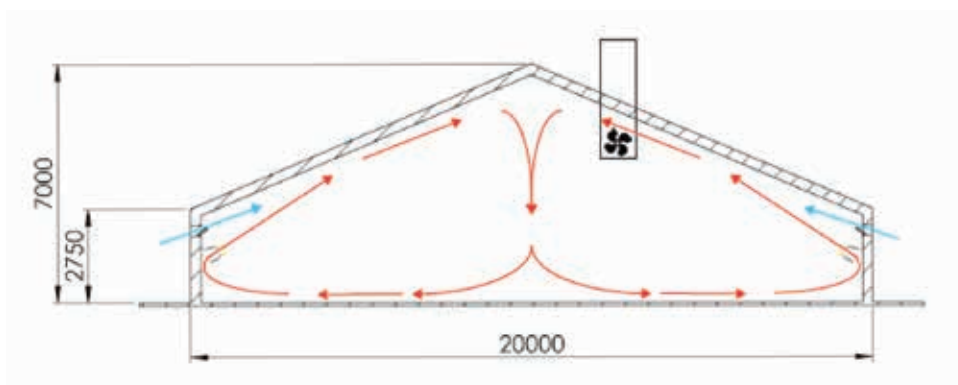
Mounting

You can attach the Air Optimizer to the wall in front of the air inlet valve with a handle or on the air inlet. It is very easy and can be used for every type of air inlet.



The capacity is adjustable with:

- > 5 step transformer
- > Triac regulation
- > F-control



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