



WALLFIT

ENERGY-SAVING SOLUTIONS

*Intelligent optimization of
air treatment systems*

REDUCTION IN ENERGY COSTS (%)

33% to 50%

lower consumption
flow rates from 1,000 to 30,000 m³/h

AVERAGE ANNUAL SAVINGS (€/YEAR)

3 600 €/year

energy savings
average pressure of 800 Pa

CONSUMPTION DIFFERENTIAL (kWh/YEAR)

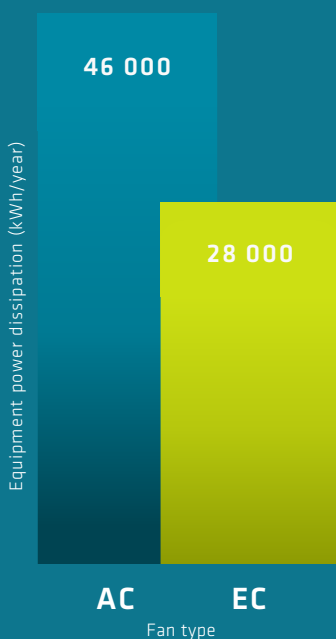
17 000 kWh/year

average consumption reduction
average pressure of 800 Pa



ANNUAL ENERGY CONSUMPTION (kWh)

AC vs EC



SAVINGS WALLFIT SOLUTION

≈ 40%

lower energy
consumption

WALLFIT is a retrofit solution for air handling units (AHUs) designed to increase energy efficiency, reduce electricity consumption, and extend the lifecycle of existing HVAC systems (in compliance with ErP guidelines).

Modernization using high-efficiency EC (electronically commutated) technology enables reduced CO₂ emissions, optimized operational performance, and contributions to sustainability goals—aligning with ESG principles and building decarbonization strategies. The EC fans within the FanWall structure feature a ModBus communication system, as well as a standard operating point adjustment mechanism or optional automatic flow/pressure control.

This solution promotes a sustainable approach based on reusing existing infrastructure, reducing environmental impact, and continuously improving operational energy efficiency.



THIS SOLUTION IS EQUIVALENT TO...

Contribution to ESG decarbonization targets

-5 tons CO₂

released into the atmosphere per year

-3

diesel **cars** on the road per year

LCA

LIFE CYCLE ASSESSMENT

Avoids the complete replacement of the equipment.

Lower environmental impact in the production of new systems

Reduction of embodied carbon

-1960 L

of **fuel** burned per year

230

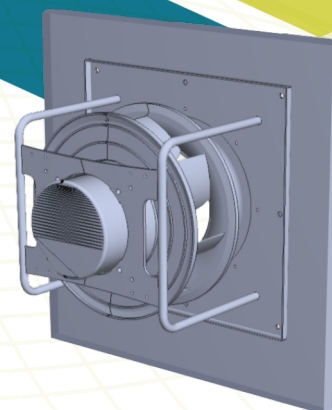
new **trees** planted per year

3 years

maximum period scheduled for **amortization**

SYSTEM OPERATIONAL IMPROVEMENT

- More precise airflow control
- Reduced mechanical stress on fans
- Dynamic response to actual demands
- Reduction in operating fluctuations
- Quieter operation
- Reduced component wear
- Reduced need for corrective maintenance



*Standard technical drawing of the supplied structure. If the structure is unsuitable for the installation, **we offer a custom adaptation.**

INTEGRATION AND INTELLIGENT MANAGEMENT

Foundation for **smart building** strategies

Better **continuous optimization** capability

Integration with **BMS** systems

Remote monitoring compatibility

* Values shown refer to a unit with a capacity of 30,000 m³/h at 800 Pa, operating 24 hours a day, and a reference energy cost of €0.21/kWh.

your COMPLETE SOLUTIONS



ADRESS

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