prio Duct Fans
Gives you that extra push
prio duct fans
Best efficiency is better than highest

Stop looking for highest efficiency. Look for best efficiency – the highest efficiency where you need it the most. The energy saving of Systemair’s new prio series fans will show on your bottom line.

It’s all about energy consumption. Ventilation accounts for 40 percent of a building’s total energy cost. Consequently, fan efficiency is essential to reduce total energy consumption.

At Systemair, we concluded that our previous KD fan technology could no longer keep up with increasing requirements. It was time for a shift in technology.

Optimized motor and fan wheel integration
The new prio series integrates motor and fan wheel into a perfectly optimized solution, which reduces energy consumption by up to 25 percent compared to Systemair’s previous KD fan series.

Manufacturers have long competed to offer fans with the highest efficiency. And with typical duct pressures up to 500 Pa, top efficiency traditionally was indeed a crucial performance factor. Well, not so much anymore.

Higher capacity, higher efficiency
Modern duct systems are down to duct pressures of about 200-300 Pa, and they are decreasing.

Today, it’s about reaching the highest efficiency where it matters the most – at the actual operating point. The benefits are a high flow quantity, high efficiency and a low SFP (specific fan power) value.

prio fans re-write the terms of low-energy ventilation. You will comply not only with the coming ErP requirements, but with those thereafter, too. And your energy savings will prove a nice surprise on your bottom line.

Performance for new prio fans
Optimized efficiency
Highest efficiency at the actual operating point, enabling a more cost-effective operation – especially using the EC version.

Low sound level
Superb sound data thanks to the fan’s high efficiency.

Airtight design
Compliant with leakage class B according to standard EN 15727 (technical duct component).

New connection box
The integrated, IP classed connection box – prepared with threaded holes – simplifies installation.

Compact design
The outer diameter is close to the duct diameter, enabling more installation possibilities.

Wide model range
With the launch of our new 315–400 mm models, the prio range now covers dimensions 150–500 mm.

Outdoor capabilities
A high IP classification, IP 55, makes it possible to install prio fans in humid operating environments or outdoors.

40% Buildings account for 40% of the EU’s primary energy use

20% EU directive to reduce energy use by 20% by 2020

2600 kWh/yr Potential energy saving using the new prio fan range