

Product brochure

A sustainable, profitable, animal-friendly solution



Saturn extraction fans



Efficient fans that stand the test of time

When farmers make an investment, they want it to work for them, day after day, year after year in the most challenging farm environments. That's why Munters came up with the Saturn series of extraction fans. They last longer, use less components and reduce running costs while ensuring a healthy environment for farmers' most valuable asset: the animals.

Fresh air means healthier animals

Animal welfare is directly connected to farm performance, since healthy, comfortable animals mean lower costs for veterinary care and extra feed and water. Climate is an essential factor in achieving animal welfare, and Munters is committed to achieving animal comfort, for healthier livestock and sustainable farm profit growth.

Saturn exhaust fans also ensure clean and fresh air whether farmers are preventing insects from coming in or ensuring airborne pathogens find their way out. And that means healthier and happier animals. It also means lower medical bills and higher profits for your high-quality livestock.

- Keep flies and bugs out with fast-opening fans
- Avoid air drafts with sealed closings
- Provide the best thermal insulation regardless of the climate outside
- Darkening solution to avoid light shock
- Quiet fans reduce noise-stress

E-line: unleash efficiency and energy savings

Upgrade your farm's climate control with the superior efficiency of Saturn E-line fans powered by EC motors.

The E-line's variable speed technology ensures you achieve the perfect balance to meet the specific needs of your animals and profitability, reducing energy costs by up to 40% and requiring minimal maintenance.

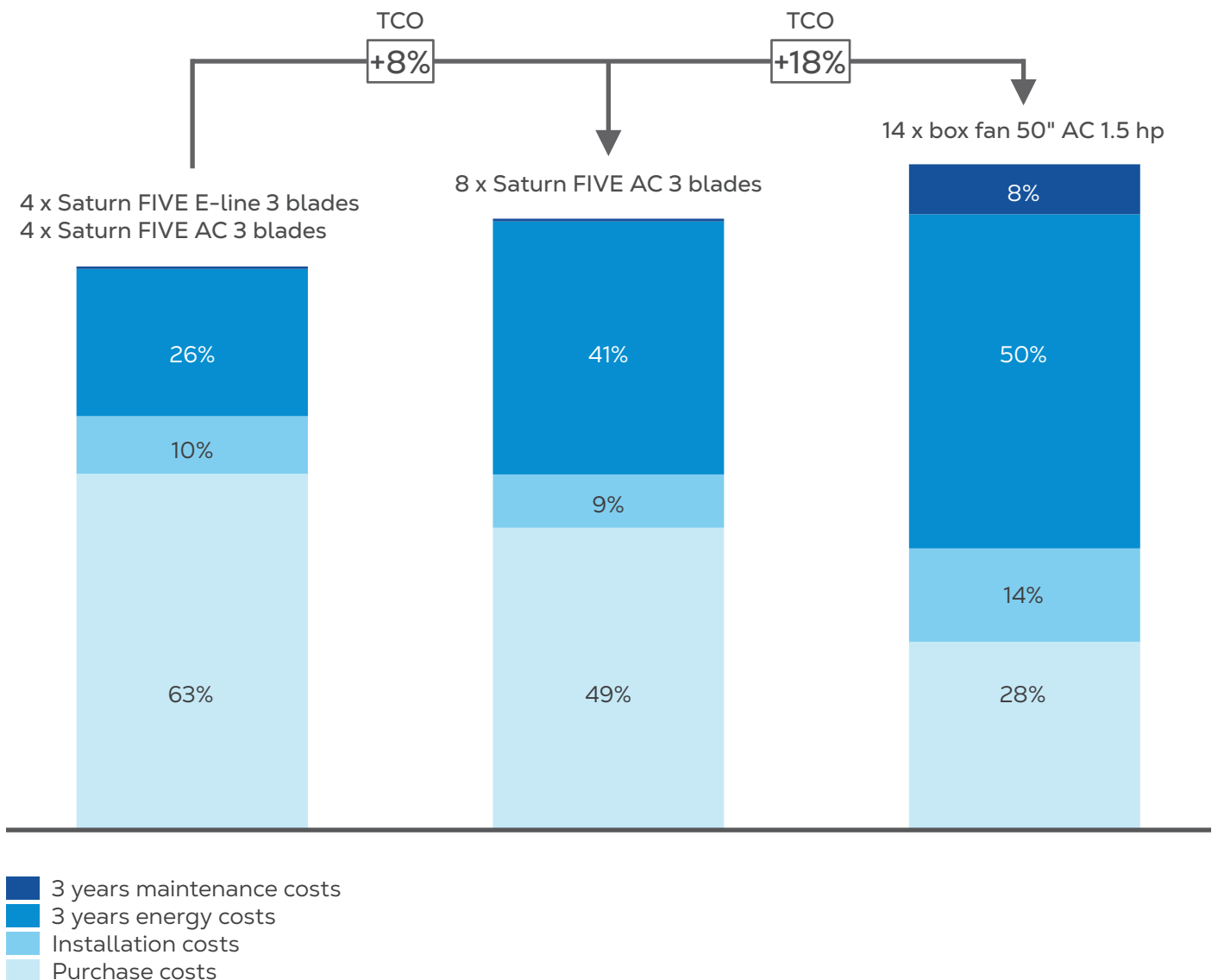
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For any long-term investment, it's important to look at all the costs and not just the ones upfront. There's installation, maintenance, running costs and even carbon taxes coming soon. Get the full picture before making any investment decision.

Munters long-lasting high-performance fans are a sensible investment that won't just save time and money; animals will thank farmers for it too.

Total cost of ownership (TCO) on a 3-year timespan
 The following calculations are based on a broiler farm of approximately 28,000 broilers (maximum weight of 3.5 kg), located in the North of Italy. The farm is 120 m long, 16 m wide with a side height of 2.5 m and a ridge height of 3.5 m.

Total cost of ownership



Simple design to boost efficiency and lower costs

Munters Saturn extraction fans adapt to the farmers' needs, not the way around. Farmers will configure the ventilation system in according to the application - livestock farming (broiler, layer, swine) or greenhouse, building size, production goals and climate region.

Installation options

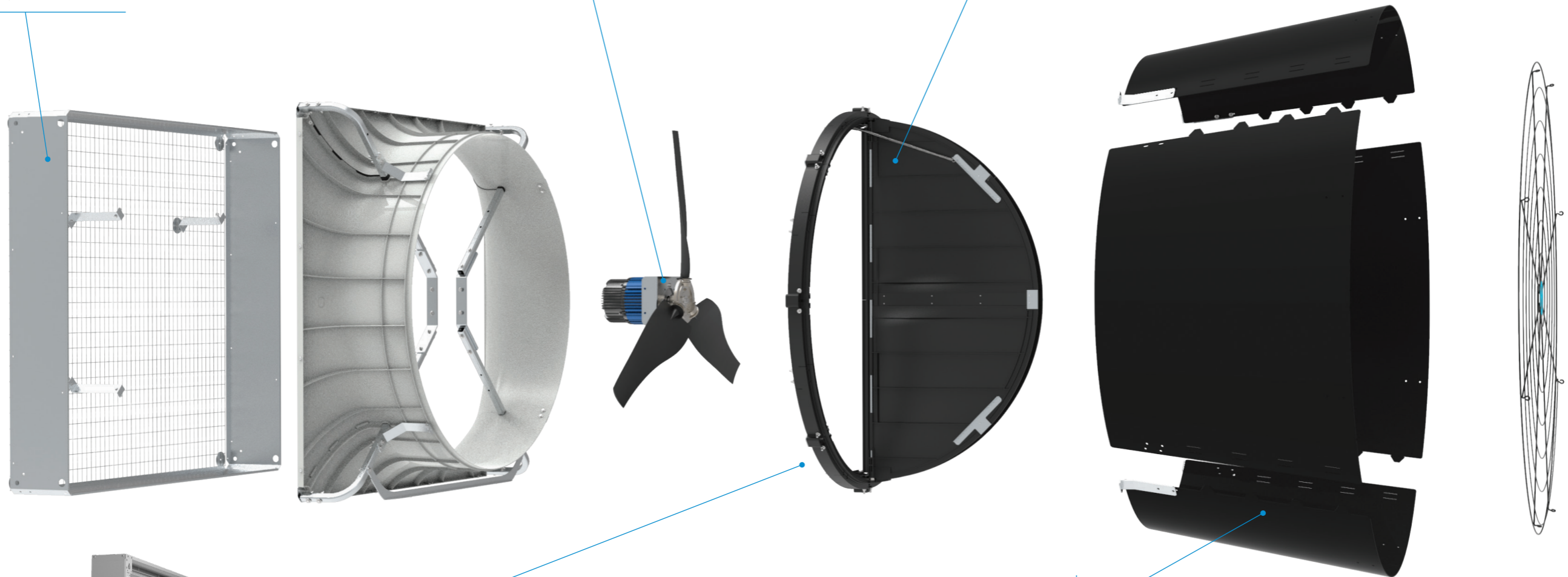
Munters Saturn can be installed from inside the house through the wall (through wall mount) or directly on the external wall (wall mount).

Drive

Configurable options that adapt to the farm uniqueness: belt drive or direct drive, AC or EC motors with several propeller configurations (3, 5 or 6 blades, metal or composite).

Butterfly damper

The innovative, patent-pending, new butterfly opens immediately at full speed instead of the actuator-driven fans that need a few minutes. This solution means insects and other unwanted visitors can't find a way through keeping animals healthier and happier. The electricity and heating costs go down also when less time is required to achieve the right ventilation. Suitable for mild and hot climates.



Anti-Gravity Shutter

Alternatively Munters Saturn features a patented Anti-Gravity Shutter placed before the body structure. No need for actuators or centrifugal mass anymore and the end result is a quieter solution reducing noise stress on animals. Suitable for cold climates.

Discharge cone

The discharge cone is available in metal or plastic.

Munters Saturn design is simple and innovated to avoid parts that traditionally tend to break down. Less moving parts means less maintenance, less downtime and more focus on the livestock. If something does eventually break down, Saturn fans are manufactured using standardized spare parts to guarantee service and availability.

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The right climate

Whether farms are in an enduring frozen Arctic winter or in the sweltering Asian summer sun, Munters Saturn fans have farmers covered with different solutions for different needs.

The Saturn ONE series for cold climates uses a patented anti-gravity shutter that is robust and durable and can manage the weight of snow accumulation. This series makes more use of metal parts, which are effective in sub-zero conditions.

The Saturn FIVE series for mild and hot climates uses a fast-opening butterfly shutter solution that provides ideal ventilation without letting in any unwanted insects or bugs. It's built with mainly composite materials that avoid thermal transfer of hot temperatures, keeping things cool inside.

There's a new fan in town

Munters Saturn is simpler and smarter so farm and animals can enjoy a better climate 24 hours a day, 365 days a year.

- Less maintenance
- Longer lifespan
- Lower running costs
- Lower medical costs due to healthier animals
- High performance fans

With more than 30 years of experience, Munters produces and sells the most reliable fans. Saturn extraction fans meet market demands on performance, durability and sustainability. Munters experts are at the farmers' side to help them grow their business, while designing the climate system that best suits the farm, animals and environment.