

Product brochure

Choose Efficiency with Munters E-line



Redefining energy efficient ventilation

Elevate your farm ventilation to a new level of efficiency, precision, and reliability with the E-line, the enhanced extraction and circulation fans from Munters.

Unleash efficiency and energy savings up to 50%

Experience a paradigm shift in ventilation management with the E-line fans, engineered to deliver transformative cost reductions and environmental benefits.

→ Unmatched efficiency

The E-line's cutting-edge EC technology establishes a new benchmark for operational efficiency. This translates into:

- Reduced energy consumption. Lower your annual ventilation costs by up to 50%, significantly impacting your bottom line.
- Electrical grid independence. Minimize reliance on the external grid, promoting energy security and cost predictability.
- Sustainable operation. Contribute to a greener future with a reduced carbon footprint.

→ Precise control, optimized savings

The E-line empowers you to:

- Eliminate power spikes. Gentle soft starts protect your electrical infrastructure and prevent costly disruptions.
- Tailor ventilation. Achieve optimal efficiency by precisely adjusting speed to meet your specific needs.
- Proactive maintenance. Leverage Bluetooth enabled diagnostics to identify and address potential issues before they escalate, maximizing uptime and efficiency.

→ Long-term value proposition

The E-line's investment goes beyond immediate savings, offering:

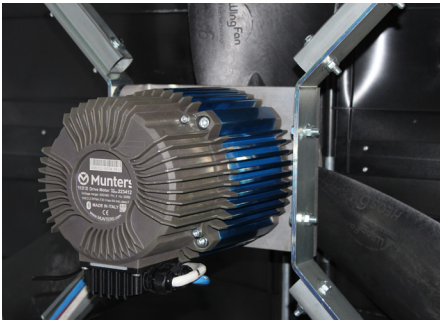
- Durable construction. Engineered for longevity, ensuring sustained performance and reliable operation.
- Minimal maintenance. Experience reduced downtime and maintenance costs, translating to higher return on investment.
- Predictable energy costs. Gain control over your energy expenditure, fostering financial stability and future planning confidence.

The E-line is more than just an equipment upgrade; it's a strategic investment in sustainable and cost-effective farm management.

Available models

The E-line version is available across a broad selection of Munters fans, encompassing both exhaust - Saturn FIVE, Saturn ONE, EM50, EC50 and ED36HE - and circulation models - Saturn Breeze and EMS50.

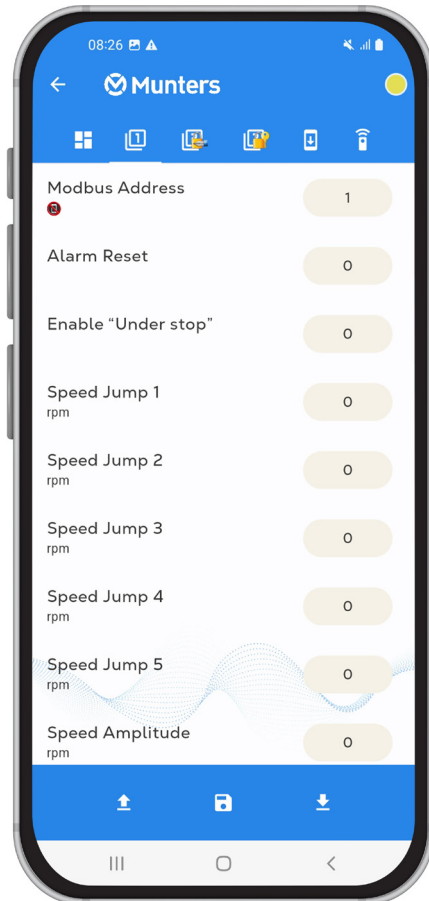
E-line



Precision ventilation

Optimize your farm's ventilation with the E-line, featuring advanced control capabilities for a tailored approach. Its variable speed motor adapts airflow to all farm needs, seasons, and sizes. The fans' efficient and precise operations minimize peak energy consumption, noise and dust particle levels, creating a healthy and profitable environment.

The IP66-rated E-line motor is CE certified and offers multiple power options with varying voltage supply and frequency (50 or 60Hz).



Effortless maintenance

Thanks to built-in Bluetooth connectivity, installers can utilize a dedicated app that simplifies motor configuration, monitoring, and maintenance like never before.

The E-line offers the possibility of adding a ModBus RTU connection, a handshaking communication protocol that allows visualization and control of key operating parameters of the fans, such as power consumption, current, and rotation speed.

Additionally, it can provide a fall-back speed in case of connection loss, ensuring continued operation.



Animal welfare

The E-line's soft start and precise speed control ensure optimal ventilation and avoid stress on animals, minimizing noise and dust disturbance while still delivering a healthy airflow throughout the building.

Improved bedding conditions are also achieved, reducing the risk of health issues for your animals. This results in more comfort and insulation, even distribution within the house, and more uniform weight gain - all contributing to better animal welfare and increased productivity.



Field-proven results

Saturn FIVE E-line in action

The benefits of the E-line extraction fans have been proven in tests conducted on a broiler farm located in northern Italy.

The trials compared two identical houses, each 117 meters long, 16 meters wide, and 4.4 meters high (2.7 meters at the ridge).

The houses were stocked with around 37,000 broilers each. One house was equipped with ten Saturn FIVE E-line fans, while the other house featured ten Saturn fans with AC motor.

Trials ran from October 2023 across multiple flocks. The house equipped with the E-line showed significant energy and fuel savings compared to the other house.

The farmer immediately noticed remarkable improvements in the house with the E-line fans.

- Substantial reduction in energy consumption during the various flocks.
- Considerable reduction in fuel consumption during the winter months.
- Drastic reduction in noise.
- Improved, drier litter, led to better animal distribution and uniform growth.
- Reduction of dust emitted into the external environment by the fans.

By improving animal welfare, reducing operational costs, and minimizing environmental impact, Munters E-line empowers farmers to achieve superior farm performance and profitability.

October–November flock

50% Energy saving
and counting

23% Fuel saving (heaters)