


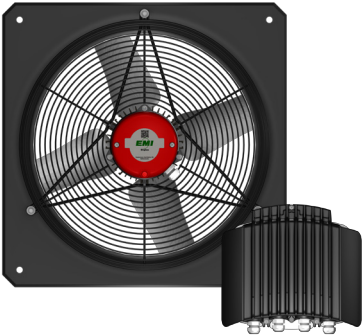


Applications



Technical data

	Frelink-4f	Intelligent Fan Drive	ECplus
Supply voltage	230 V 50/60 Hz	230 V 50/60 Hz	*Technical details depend on the fan diameter and can be downloaded on our website in the <b>Productselector</b> ( <a href="http://productselector.vostermans.com">productselector.vostermans.com</a> )  or  by scanning the <b>QR code</b> below.  
Output voltage	1 x 230 V	3 x 230 V ou 1 x 230 V	
Power consumption (max.)	750 W	1.250 W	
Output power (max.)	750 VA	1.050 VA (1.150 VA in airflow)	
Maximum current output	3,5 A	4,4 A	
Current consumption (max.)		7 A	
PFC factor (cos φ)	No	Yes	
Ambient temperature	0 °C to +40 °C	0 °C to +40 °C	
Dimensions (L x W x H)	296 x 225 x 104 mm	280 x 250 x 130 mm	
Housing	IP54	IP67	
Override switch	Yes	Optional	
Alarm contact	Yes	Yes	
Shielded cable	Yes	Yes	
Display	Yes	No	
Maximum length of control cable	75 m	300 m	
Place of installation	In the central hallway	Next to the fan	
To use with	Existing single phase fans	Existing single phase or three-phase fans	
Energy savings	until 59%	until 72%	
Calibration necessary	No	Yes (automatically)	
Possibility for reparation	Yes	Yes	



All rights reserved. Vostermans Companies is not responsible for inaccurate or incomplete data. In case of questions and /or remarks please contact [ventilation@vostermans.com](mailto:ventilation@vostermans.com).  
Subject to alterations.



More details and contact

Vostermans Ventilation gives you free access to the complete details by scanning the QR code.  
Call +31 (0) 77 389 32 32 for direct information.



Vostermans Ventilation B.V.  
Venlo - The Netherlands  
Tel. +31 (0)77 389 32 32  
[ventilation@vostermans.com](mailto:ventilation@vostermans.com)  
[www.vostermans.com](http://www.vostermans.com)

Vostermans Ventilation Inc.  
Bloomington, IL - USA  
Tel. +1 309 827-9798  
[ventilation@vostermansusa.com](mailto:ventilation@vostermansusa.com)  
[www.vostermansusa.com](http://www.vostermansusa.com)

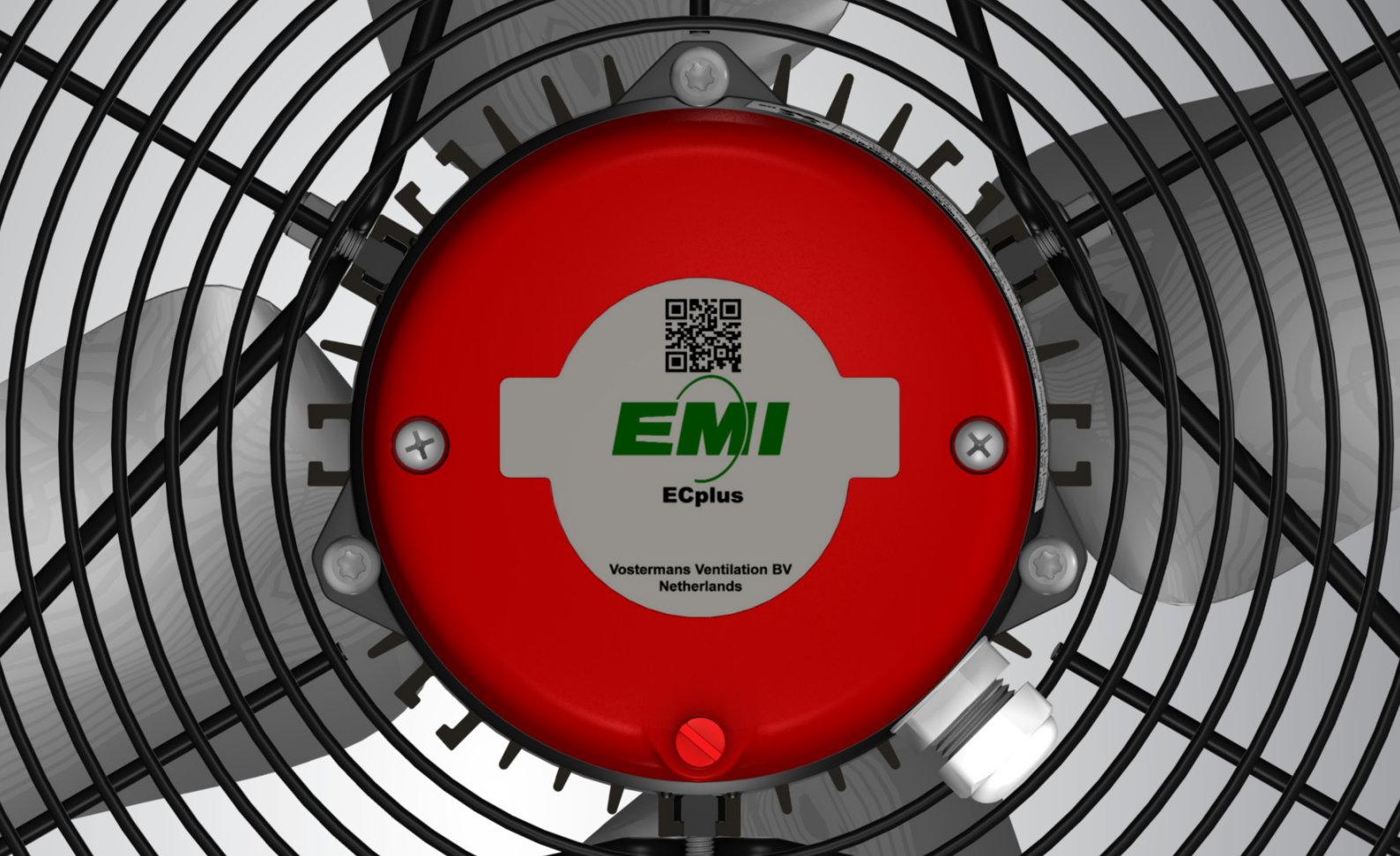
Vostermans Ventilation S.A.R.L.  
Evreux Cedex - France  
Tel. 02 32 38 11 00  
[ventilation@vostermansfrance.com](mailto:ventilation@vostermansfrance.com)  
[www.vostermans.com](http://www.vostermans.com)

Vostermans Ventilation Sdn. Bhd.  
Tmn Klang Jaya, Malaysia  
Tel. +60 (0)3 3324 3638  
[ventilation@vostermansasia.com](mailto:ventilation@vostermansasia.com)  
[www.vostermansasia.com](http://www.vostermansasia.com)



ECplus

ENERGY SAVING VENTILATION SOLUTIONS FOR AGRICULTURAL AND INDUSTRIAL APPLICATIONS



SPECIALIST IN AIR

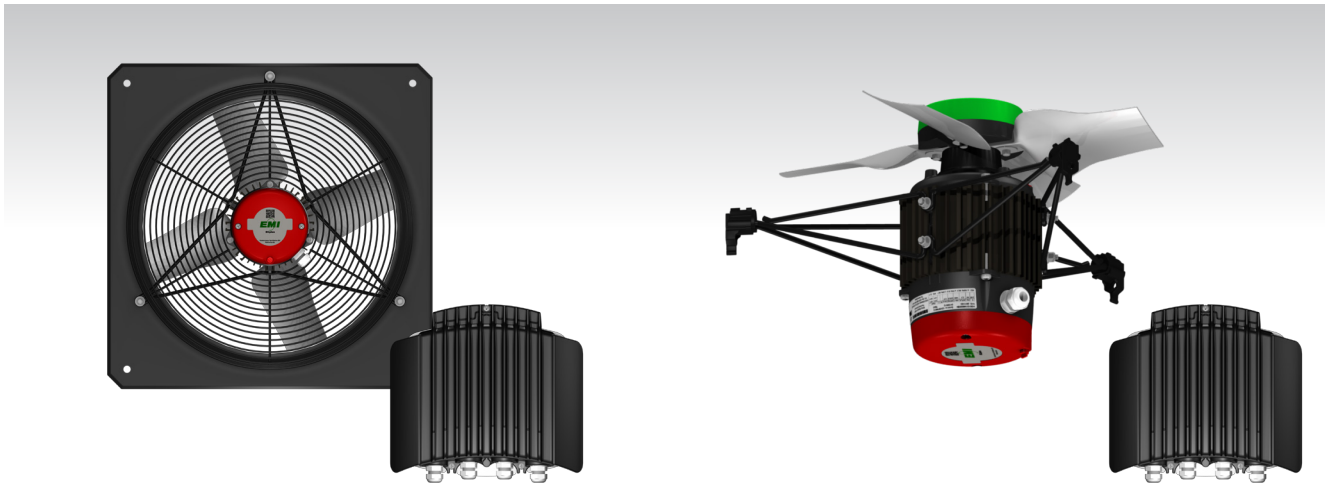




### ECplus: Intelligent Fan

The ECplus fans are characterized by their **reliability** under the harsh conditions in the livestock industry. Based on more than 60 years experience, the emphasis is reliable ventilation. After all, loss of ventilation in a livestock house can lead to disastrous consequences. The ECplus fans can easily be used in existing and new livestock houses. The fans from the ECplus line are among the most energy-efficient on the market. Tests at the French Research Institute IFIP show that ECplus fans have **more than 80% energy savings** over traditional systems. The low energy and investment costs, high durability and **subsidies (for existing livestock houses)** stand for a **quick payback time**. Other special features of the ECplus-line are the easy installation, ease of use and the ability to repair. The existing installation can be easily replaced. The fans resist the usual cleaning methods with a high pressure cleaner. And if, for example, in case of lightning, the controller fails, it can override in a snap with an optional override switch.

“ Proven reliability in agriculture ”



\* Source: IFIP, 2015



### ECplus: Intelligent Fan

#### Energy savings

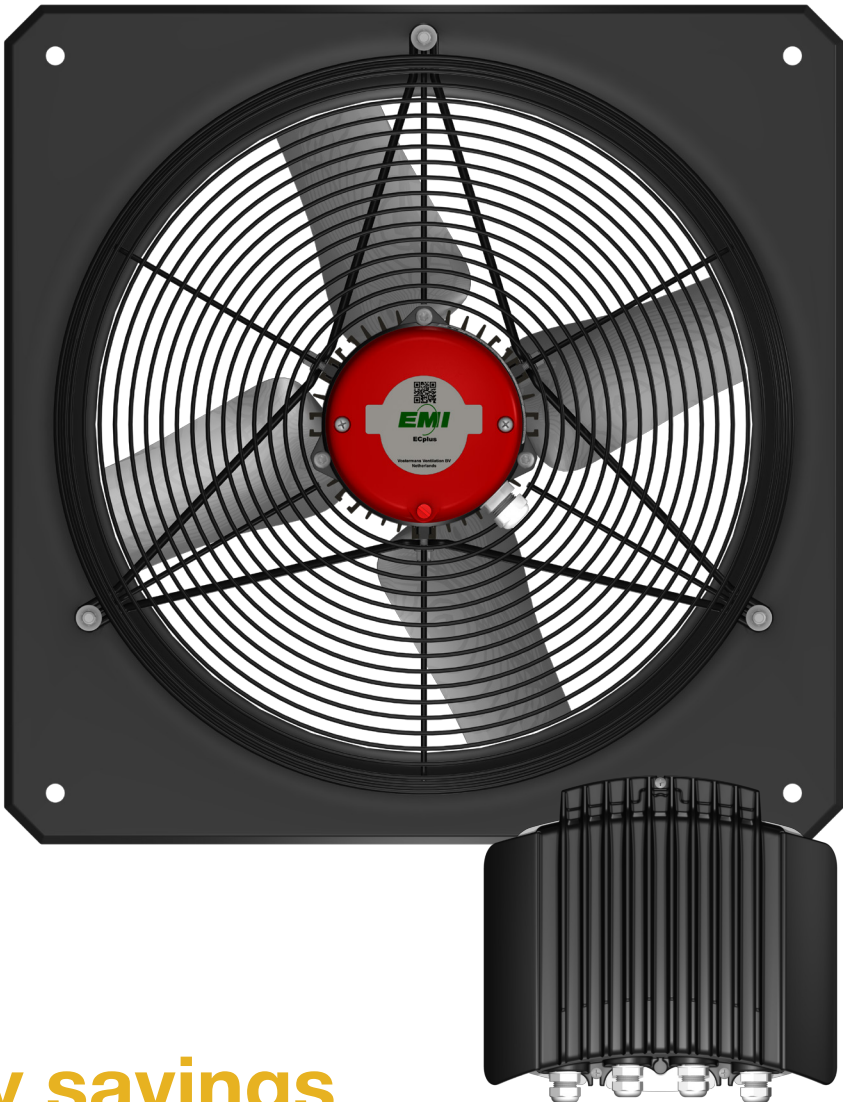
- Energy savings >80% (IFIP, 2015)
- Optimal motor-impeller combination
- Rapid payback time
- Meets ErP regulation
- Optimal controllability against minimal energy costs

#### Reliability

- Based on proven ventilation concept
- Possibility to override (optional)
- Possibility to repair
- 3 years warranty
- Developed for harsh conditions in livestock houses

#### Comfort

- Possibility for cleaning with high pressure cleaner
- Plug-and-play
- Easy installation
- LED indication for status codes



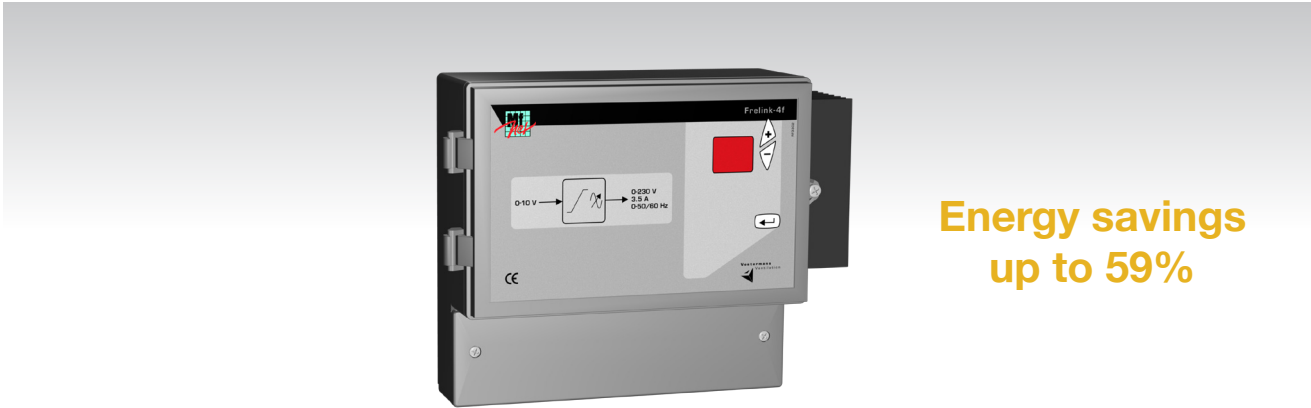
Energy savings  
>80%

“ EMI stands for quality ”



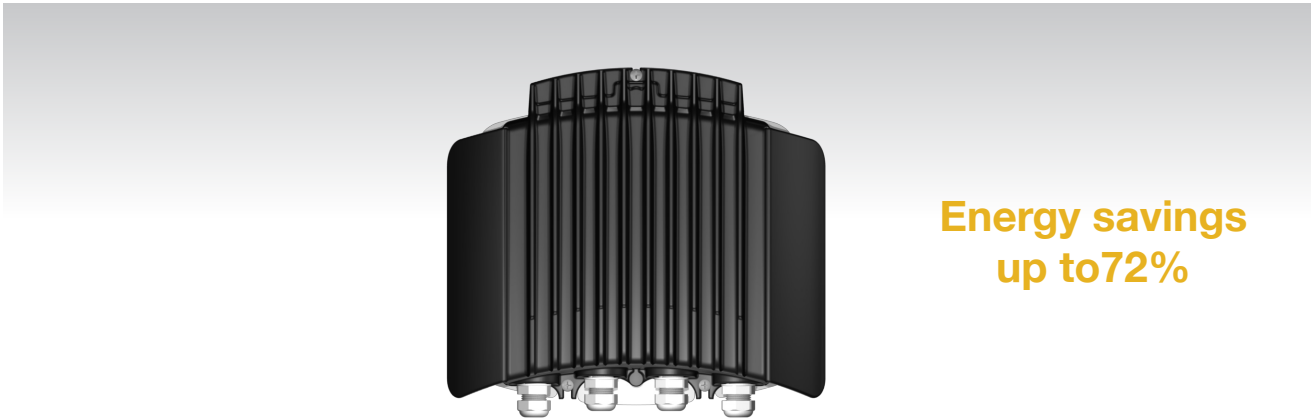
### Frelink-4f for existing single phase fans

Installation of a Frelink-4f for existing EMI fans results into **energy savings up to 59%**. The frequency drive enables efficient single phase fan speed control, based on a 0-10V input signal. Applying this controller extends the motor lifetime significantly by lower motor temperatures. The Frelink-4f is equipped with an economy mode with an adjustable minimum and maximum frequency and has a maximum output current of 3.5 Amps. The Frelink-4f is delivered with an alarm contact and override switch included and has a warranty of 3 years. The controller also meets the **IP54 standard** and can be connected to multiple fans.



### Intelligent Fan Drive for existing single phase fans and three phase fans

Installation of the Intelligent Fan Drive on existing EMI fans results into **energy savings up to 72%\***. The Intelligent Fan Drive offers an energy-efficient variable speed control of the fans. The innovative, patented FAST™ software in combination with real-time motordata offers the most efficient energy consumption. The control algorithm results into lower motor temperatures, which guarantees a longer lifetime of the fan. The installation next to the fan, the use of high quality materials and technologies guarantee a durable use of the installation. **The automatic motor identification and calibration** guarantee easy installation and use. The Intelligent Fan Drive is standard delivered with an alarm contact and shielded cable and has a warranty of 3 years; an override switch is available as an option. The controller meets the **IP67 standard** and can be cleaned with a high pressure cleaner.



\* Source: IFIP, 2015