

# Munters Euroemme EMS

## Air circulation fans

The EMS series is one of the earliest families of air circulators, widely used in poultry (broiler, layer) and dairy ventilation systems.

### Benefits

- Superior durability with M-Protect coating
- Easy installation and maintenance
- High airflow capacity
- Reduced energy consumption, saving up to 50% of electricity with the EMS50 E-line version
- EMS50 features high-efficiency motor, in accordance with EU regulations



EMS50 E-line

EMS 50-36-30 are the ideal air circulators whenever high airflow capacity is required, thanks to their unique propeller design that guarantees full efficiency and reliability.

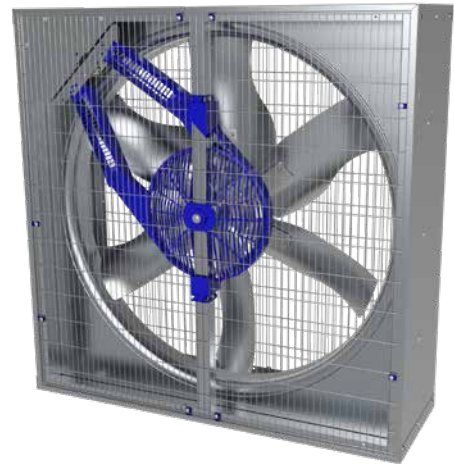
The housing, conveyor and 6-blade propeller made in M-Protect coated steel ensure extra strength and resistance against corrosion. The die-cast aluminum central hub and v-belt pulley enhance durability and reliability further.

The low-speed, belt-drive system helps reduce energy consumption and noise levels, providing a comfortable working environment for animals and operators.

The EMS50 E-line version reduces power consumption by up to 50% compared to the same fan with AC motor, while enabling speed regulation.

EMS air circulators feature threaded bushes on the side panels that allow the farmer to easily hang them from the ceiling, and a welded wire mesh divided into two sections for effortless maintenance.

As the market leader in ventilation solutions for more than 60 years, GrainProteinTech Climate Control & Air Treatment guarantees quality and is ISO 9001 certified.



EMS36



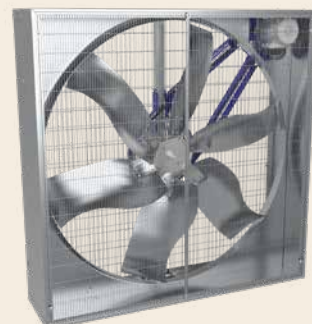
Proudly manufactured with 100% renewable energy in our plants in Italy

## Future-proof your farm with EMS50

Ready for the new European ErP Regulation.

Engineered to meet EU efficiency requirements, the EMS50 ErP-compliant model (IE3 1.0 hp) combines its proven airflow capacity with a high-efficiency motor for maximum reliability.

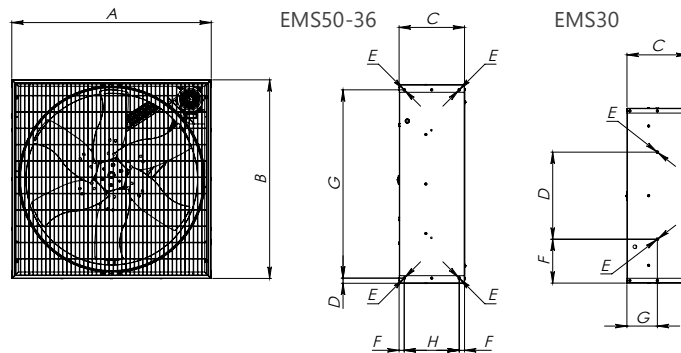
- Full CE compliance: secure your farm with our certified fans.
- Built to last: robust design for heavy-duty air circulation.
- Ready to install: tailored to fit your existing farm layout.



# Munters Euroemme EMS

## Air circulation fans

### Dimensions

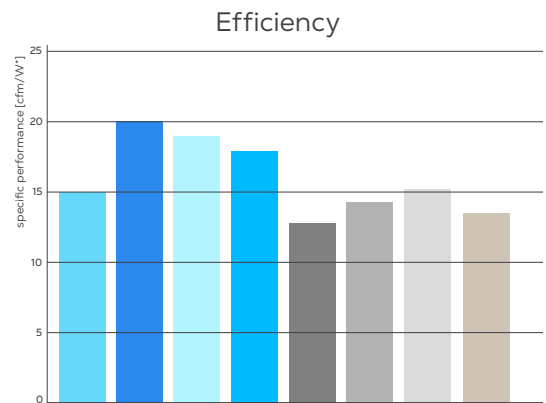
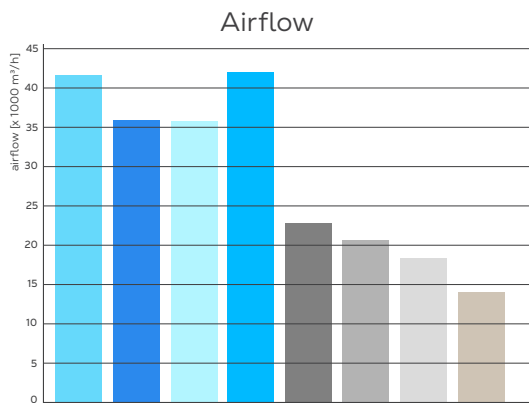


	A	B	C	D	E	F	G	H
EMS50	1380 mm	1380 mm	353 mm	28 mm	M8	27 mm	1315 mm	300 mm
EMS36	1090 mm	1090 mm	358 mm	28 mm	M8	29 mm	1027 mm	300 mm
EMS30	950 mm	950 mm	331 mm	475 mm	M8	239 mm	166 mm	-

### Technical specifications

		EMS50			EMS36			EMS30
		E-line						
Nominal power	hp [kW]	1.0 [0.75]	1.5 [1.1]	2.5 [1.8]	0.5 [0.4]	0.75 [0.55]	1.0 [0.75]	0.5 [0.4]
Propeller diameter	mm [inch]	1270 [50]			915 [36]			770 [30]
Number of blades/material		6/M-Protect			6/M-Protect			6/M-Protect
Motor/drive type		AC/Belt		EC/Belt	AC/Belt		AC/Belt	
Weight of fully equipped fan	kg	66	68	69	53	54	56	39
Max power consumption/max current <sup>1</sup>	W/A	970/2	1690/3.1	1600/3.2	570/1.1	870/1.6	1150/2.1	570/1.1
Max operating temperature	°C [°F]	50 [122]			50 [122]			50 [122]
Motor insulation grade/protective class		F/IP55		H/IP66	F/IP55		F/IP55	
Noise level <sup>2</sup>	Db(a)	67.3	70.2	61.7	63.6	68.2	63.1	

<sup>1</sup>50 Hz 400 V specification, 60 Hz available upon request, <sup>2</sup>Noise measure made according to ISO 3744



	EMS50				EMS36			EMS30
	IE1 1.5 hp	IE3 1.0 hp	IE1 1.0 hp	E-line	IE1 1.0 hp	IE1 0.75 hp	IE1 0.5 hp	IE1 0.5 hp

Airflow and efficiency tested in the test chamber in accordance with ANSI/AMCA 210/15 Standard, certified by BESS Lab. \*1 cfm/W = 1.7 (m³/h)/W

### Load capacity

	EMS50		EMS36	EMS30
	Unassembled	Assembled	Assembled	Assembled
40' HC container	310 270 (E-line)	65	124	144
13.6 m truck	-	74	144	168