

Munters EC 50

Air extraction fans

EC 50 is one of the most renowned cone fan developed and produced by Munters, delivering exceptional performance in any livestock farming (broiler, layer, swine, dairy) and greenhouse application.

Benefits

- Superior durability with Munters Protect coating
- Fast and easy installation
- High airflow capacity
- Energy efficient solution, the E-line version saves up to 50% on electricity costs
- Suited for tunnel ventilation, especially in large structures

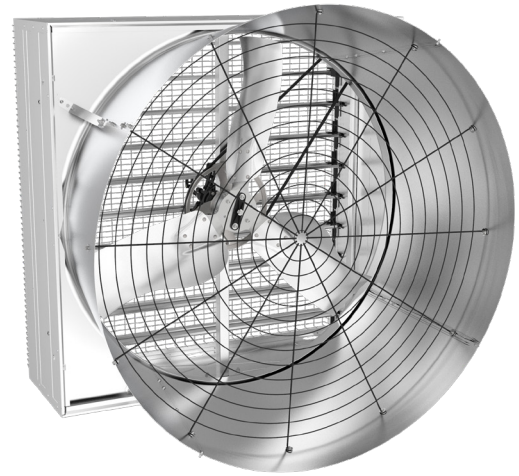
Munters EC 50 is the ideal exhaust cone fan to install in large livestock housings and greenhouses in order to fulfill the demand for more power and reliability. Thanks to its peculiar cone and propeller design, it ensures high airflow capacity and low energy consumption.

The extraction fan features the housing, cone, conveyor and shutters made in Munters Protect coated steel for extra strength and resistance against corrosion. Central hub and V-belt pulley are made of die-cast aluminum.

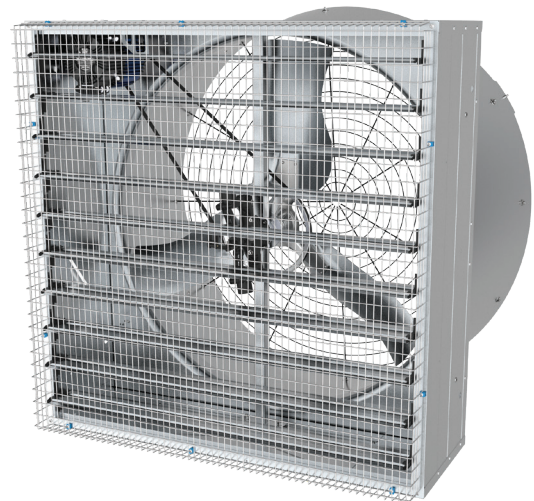
The patented centrifugal system provides an energy efficient solution and powerful springs keep shutters tightly closed when the fan is not turned on, avoiding air leakage and blocking light. The E-line version reduces power consumption by up to 50% compared to the same fan with AC motor, while enabling speed regulation.

The cone consists of 4 separate and detachable sections that can be assembled easily and quickly on site, which results in a significant reduction of transportation volume and cost.

As the market leader in ventilation solutions for more than 60 years, Munters guarantees quality and is ISO 9001 certified.



EC50 front view

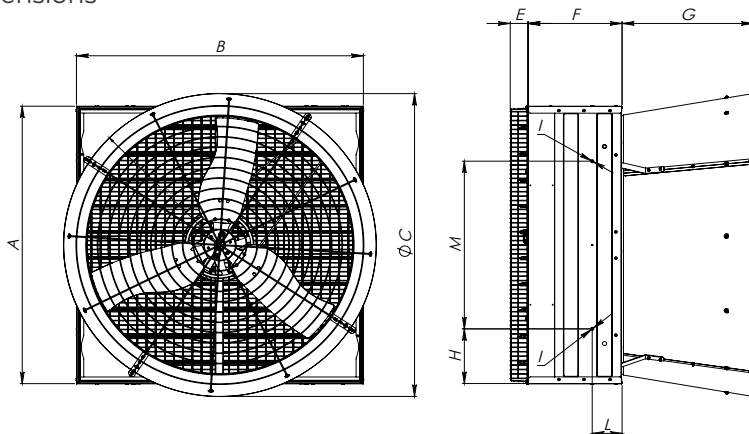


EC50 E-line rear view

Munters EC 50

AC motor

Dimensions

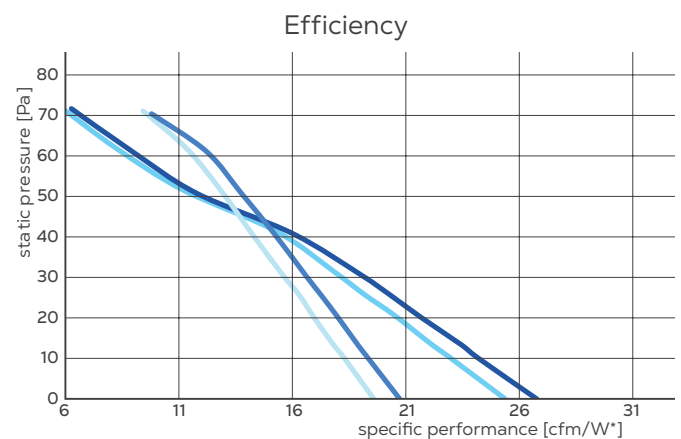
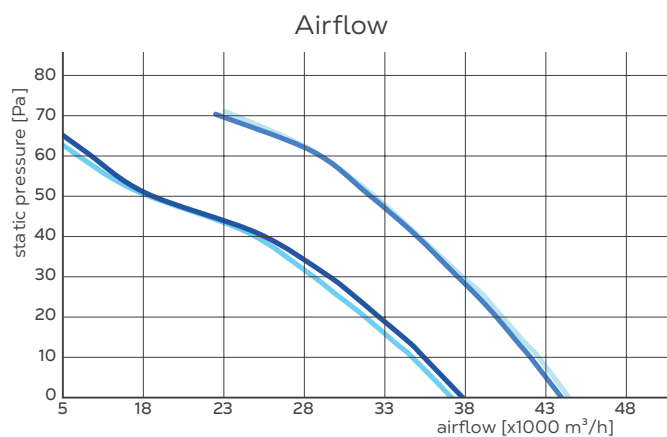


	EC50
A	1380 mm
B	1380 mm
C	1500 mm
D	-
E	90 mm
F	450 mm
G	630 mm
H	275 mm
I	M8
L	143 mm
M	830 mm

Technical specifications

		Belt 1.0	Belt 1.5
Nominal power	hp	1.0	1.5
Propeller diameter	mm [inch]	1270 [50]	
Number of blades/material		3/Munters Protect	
Number of shutter blades		10	
Motor/drive type		AC/Belt	
Weight of fully equipped fan	kg	106	108
Max power consumption/max current ¹	W/A	1150/2.1	1810/2.9
Max operating temperature	°C [°F]	50 [122]	
Max operating pressure	Pa	50	
Motor insulation grade/protective class		F/IP55	
Noise level ²	Db(a)	69.7	75.2

¹50 Hz 400 V specification, 60 Hz available upon request, ²Noise measure made according to ISO 3744



	Belt 1.0		Belt 1.5	
	IE3 1.0 hp	IE1 1.0 hp	IE3 1.5 hp	IE1 1.5 hp

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

Load capacity

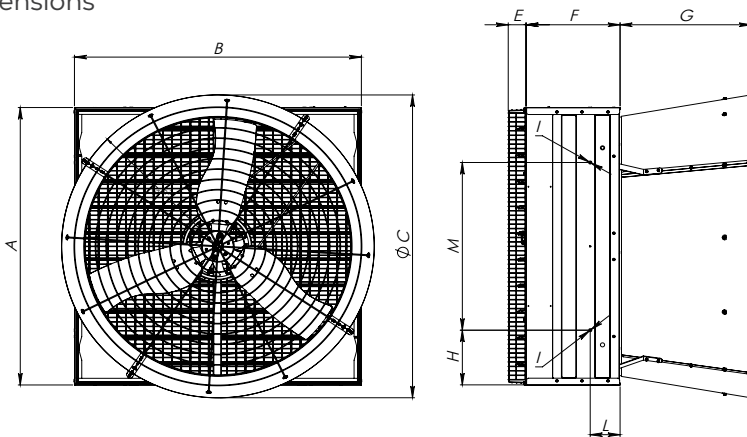
	Belt 1.0/1.5	
	Unassembled	Assembled
40' HC container	220	39
13.6 m truck	245	44

Pyramidal mesh for installation below 2.7 m available upon request.

Munters EC 50

E-line

Dimensions

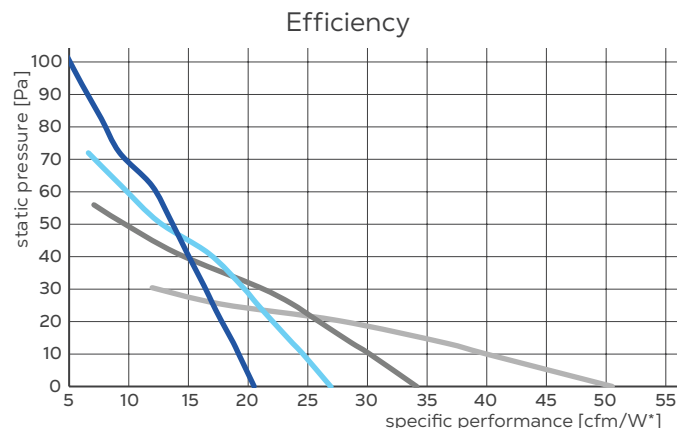
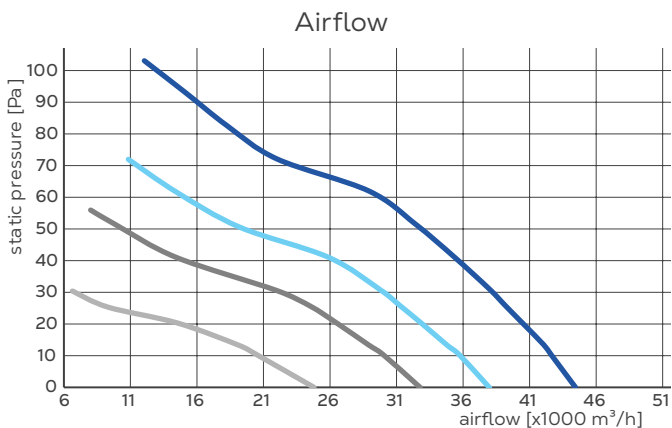


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I	M8
L	143 mm
M	830 mm

Technical specifications

		E-line
Nominal power	hp	1.6
Propeller diameter	mm [inch]	1270 [50]
Number of blades/material		3/Munters Protect
Number of shutter blades		10
Motor/drive type		EC/Belt
Weight of fully equipped fan	kg	109
Max power consumption/max current ¹	W/A	1600/3.1
Max operating temperature	°C [°F]	50 [122]
Max operating pressure	Pa	50
Motor insulation grade/protective class		H/IP66
Noise level ²	Db(a)	75.1

¹400 V specification, ²Noise measure made according to ISO 3744



E-line

— 504 rpm — 427 rpm — 366 rpm — 260 rpm

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

Load capacity

	E-line	
	Unassembled	Assembled
40' HC container	220	39
13.6 m truck	-	82

Pyramidal mesh for installation below 2.7 m available upon request.

Find your nearest Munters office at www.munters.com

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