

Product sheet
EM52

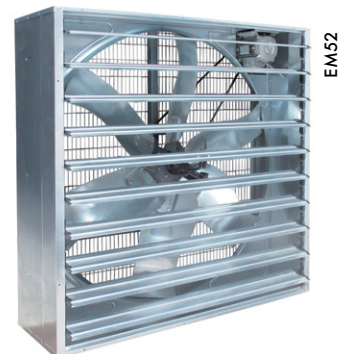


- Family member of the time proven Euroemme® fan range
- Fan built with outstanding strength for assuring high airflow at static pressure of up to 100 Pa.
- Fan housing and Venturi made of strong galvanised sheet-steel
- Redesigned 52" propeller suited for high static pressure environments
- Shutters are made of pressed galvanised steel in order to ensure highest strength
- Patented centrifugal system permits an energy efficient solution

EM52

EM52 is a further development of the well-recognized and proven line of Euroemme® box fans and is the ideal exhaust fan whenever extra high airflow capacity is required in a high static pressure environment. The propeller shape has been re-designed for allowing the highest efficiency and reliability in high static pressure environments. The square fan housing and air conveyor (Venturi) are made of strong galvanised sheet-steel. In order to guarantee an increased airflow even in the harshest conditions the EM52 is equipped with a 2Hp motor. To improve aerodynamic efficiency, the fan has been developed in Munters Italy's R&D lab while the performances were confirmed by tests performed in BESS Lab at the Agricultural Engineering Department of University of Illinois - USA.

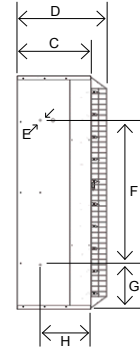
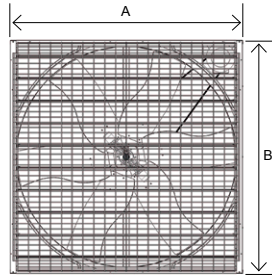
The redesigned propeller is attached to pulley which is mounted onto an aluminium hub with an embedded double ball bearing for protection against water ingress. The belt transmission ensures low propeller rpm, which in turn ensures high efficiency and low energy consumption as well as low noise. The shutter is made of galvanised steel, which is stronger than aluminium and plastic. The fan shutter is tightly closed when the fan is not working, preventing any air leakage through the fan. The patented centrifugal system prevents the shutter from being closed by air pressure. The shutter does not have to be cleaned regularly as dust does not affect its opening and closing movement. All the plastic parts are made of black acetalic plastic with UV protection.



Dimensions

A	B	C
1,425	1,425	455
D	E	F
545	M8	880
G	H	-
272	310	-

All measurements are in millimeters.

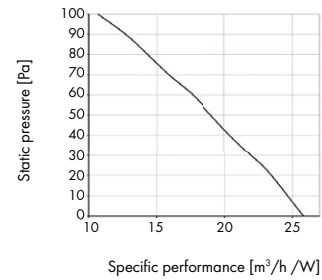
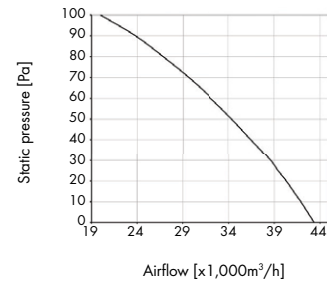


Technical specifications

Number of blades	6	
Number of shutter blades	10	
Propeller diameter	mm [inch]	1,334 [52]
Weight of fully equipped fan*	[kg]	90
Airflow at 0 Pa	m ³ /h [cfm]	43,000 [25,300]
Airflow at 50 Pa	m ³ /h [cfm]	33,900 [19,900]
Airflow at 75 Pa	m ³ /h [cfm]	27,600 [16,200]
Airflow at 100 Pa	m ³ /h [cfm]	19,200 [11,300]
Specific performance at 0 Pa	m ³ /h /W [cfm /W]	26.4 [15.5]
Max. operating temperature	°C [°F]	50 [122]
Nominal propeller speed	[rpm]	414
IEC protective class of electric motor	IP55	
Electric motor winding insulation grade	F	

* Excludes safety kit for installation below 2.7m above the floor.
All values refer to the 2.0Hp motor version.

Airflow & Specific performance



Motor specifications

Code	Nominal Power		Phases	Speed	Frequency	Voltage	Current	Rpm
	[W]	[Hp]			[Hz]	[V]	[A]	
a	1,500	2.0	3	single	50	230/400	6.1/3.5	1,400
b	1,500	2.0	3	single	60	230/400	5.5/3.2	1,680

Euroemme® EM52 extraction fan is developed and produced by Munters Italy S.p.A., Italy



Your closest distributor

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