

EC52D AGS

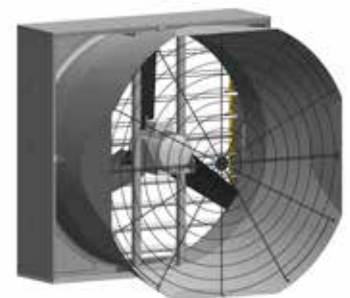


Exhaust Fan

- Direct drive motor coupled with high performance propeller for a steady air flow in any application
- Plastic propeller blades with airfoil design
- Corrosion proof body with Munters Protect coating
- Patented Antigravity shutter blades
- Special cone design for optimal use of installation space
- Maintenance free

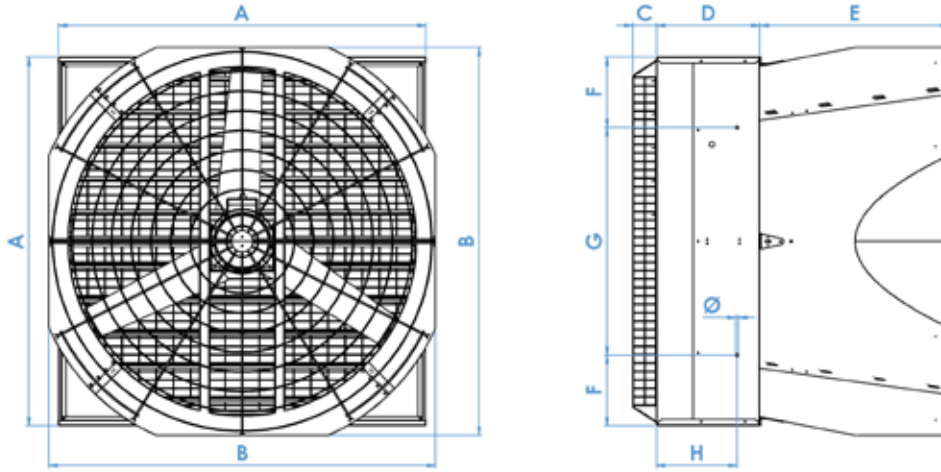
EC52D AGS

Equipped with asynchronous motor directly coupled with an high performance propeller, this new EC52D delivers a large amount of air, maintaining reliability and energy efficiency. The innovative propeller plastic blades with airfoil shape guarantee a top of the class air flow ratio with an extremely smooth noise emission. This feature allows a stable operation at any pressure level, delivering the right amount of air in any field of application. The direct drive motor is a maintenance free solution for the ventilation system, as there is no longer need to verify the integrity of the transmission components: v-belts, pulleys etc. The patented Anti-Gravity opening system is based on a "counter phase" movement of the shutter blades, which neutralizes the effect of the dust deposits on the shutter blades. As consequence, the overall reliability and functionality of the fan are greatly improved even in the most harsh environments. The design of shutter blades is optimized to minimize pressure drop when in operation and to assure the highest tightness to light and air when the fan is off. The square fan housing, the discharge cone, shutter blades and the air-conveyor (venturi) are made of the well proven corrosion resistant steel with Munters Protect coating. The design of the 4 cone sectors is specifically designed to reduce the space required by the fan when installed on the gable end.



EC52D AGS

Dimensions



A	B	C	D	E	F	G	H	Ø
1,425	1,500	95	400	735	272,5	880	312	M8

All measurements are in millimeters.

Technical specifications

EC52D AGS - 2.0 hp

Number of blades		3
Propeller diameter	mm [inch]	1,330 [52.3]
Weight of fully equipped fan*	[kg]	125
Airflow at 0 Pa	m ³ /h [cfm]	47,435 [27,892]
Airflow at 25 Pa	m ³ /h [cfm]	43,225 [25,416]
Airflow at 50 Pa	m ³ /h [cfm]	38,029 [22,361]
Airflow at 75 Pa	m ³ /h [cfm]	32,729 [19,245]
Airflow at 100 Pa	m ³ /h [cfm]	23,308 [13,705]
Specific performance at 25 Pa	m ³ /h /W [cfm /W]	24.4 [14.3]
Specific performance at 50 Pa	m ³ /h /W [cfm /W]	19.5 [11.5]
Airflow ratio		0.84
Nominal propeller speed	[rpm]	715

* Excludes safety kit for installation below 2.7m above the floor.

Data for Fan Eco Design Directive

Product information requirements* →	1	2	3	4	optional	5	6a	6b	6c	7	8
Fan description*	Overall efficiency η %	Measurement category	Efficiency category	Efficiency grade	Target efficiency grade 2015	VSD must be installed with the fan	Motor power input at optimum energy efficiency [W]	Flow rate at optimum energy efficiency [m ³ /h]	Pressure at optimum energy efficiency [Pa]	RPM at optimum energy efficiency	Specific ratio
EC52D AGS 2.0Hp 3Ph 50Hz OS	39.6	A	static	43,8	40	no	2,155	29,808	103	695	1

* Fans tested are configured according to Commission Regulation (EU) No. 327/2011 of 30th March 2011 - Annex II - 1.5.

Euroemme® EC52D AGH extraction fan is developed and produced by Munters Italy S.p.A., Italy

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