



Munters Saturn ONE Series

Air extraction fans

Munters Saturn ONE Series is a feature rich, high-tech, and completely modular series of fans, able to combine exceptional airflow with fully energy efficiency. This means superior growth of livestock and yield, improved animal welfare and more sustainable business.

Benefits

- Fewer moving parts reduce maintenance time and costs
- Smooth inner housing edges increase airflow efficiency
- Reduced noise emission improves the indoor environment for animals
- Energy efficient ventilation system, saving up to 40% of electricity with Munters Drive
- The patented detachable Anti-Gravity Shutter (AGS) reduces light, air leakage, dust deposit and noise

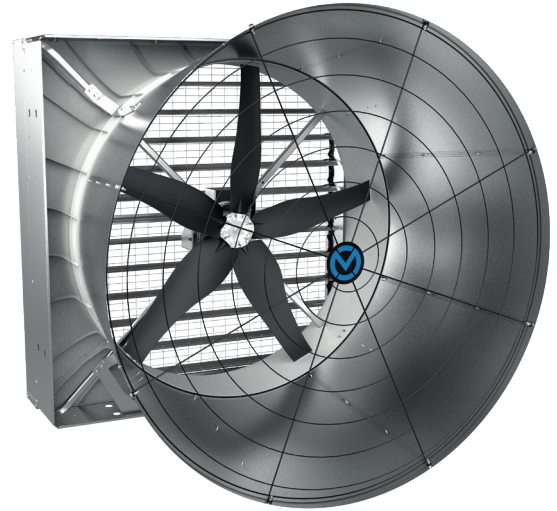
Saturn ONE Series is designed for any poultry or greenhouse application in any climate zone.

The patented AGS, featured in all Saturn ONE models, seals tightly eliminating the thread of light, air draft and dust deposit.

The propeller blades have been designed for optimal performance, providing exceptional airflow, even in high-pressure environments with an excellent airflow ratio and efficiency.

Saturn ONE Munters Drive ensures performance above the market standard and reduces power consumption by up to 40% compared to traditional models. The VFD controller generates the most efficient rotation, installation is quick and easy, and a proportional gear motor optimizes the AGS operations.

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

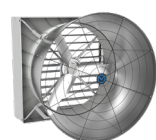
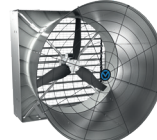
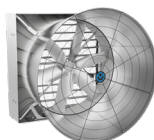
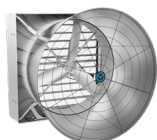


Saturn ONE Direct drive 5 blades



Saturn ONE Munters Drive – Patented Anti-Gravity Shutter

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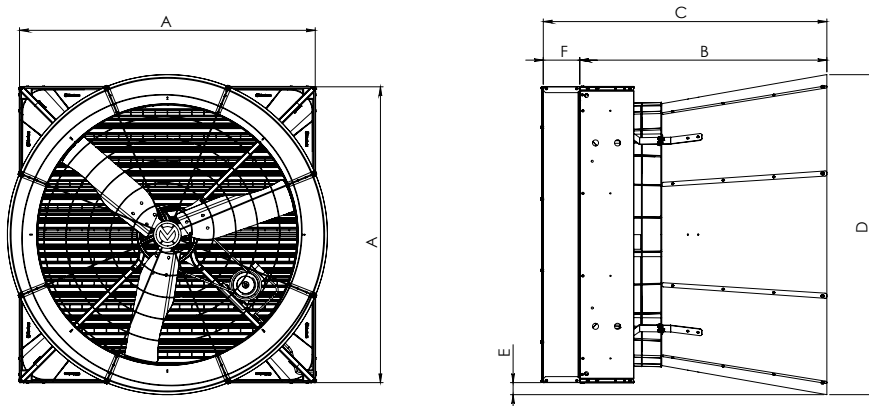


	Belt 1.5	Belt 2.0	Direct 2.0	Munters Drive
Drive	Belt	Belt	AC, Direct	EC, Direct
Propeller	3 blades, Munters Protect	6 blades, Munters Protect	3-5 blades, composite airfoil	3 blades, Munters Protect
Nominal power	1.5 hp	2.0 hp	2.0 hp	2.0 hp
Application	Broiler, greenhouse (light filters cannot be used)	Layer houses with obstacles, Broiler mega houses, Light control (light filters) houses	Layer houses with obstacles, Broiler mega houses, Light control (light filters) houses, No maintenance	Any poultry, greenhouse in any climate zone
Max static pressure	Up to 75 Pa	Up to 100 Pa	Up to 120 Pa	Up to 75 Pa

Munters Saturn ONE Series

AC motor

Dimensions

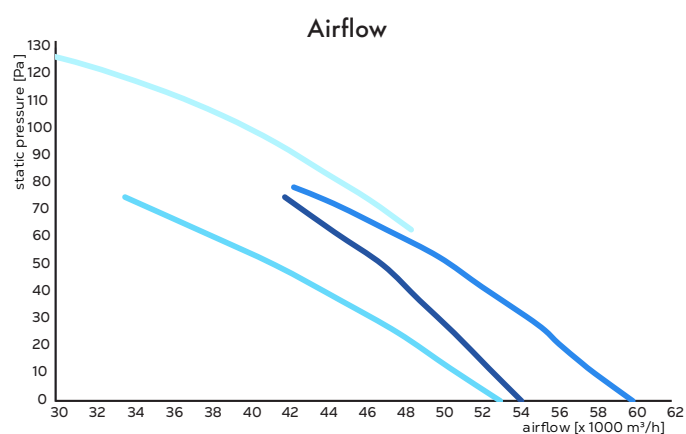


A	B	C	D	E	F
1615 mm	1345 mm	1518 mm	1745 mm	80 mm	173 mm

Technical specifications

		Belt 1.5	Belt 2.0	Direct 2.0	
Nominal power	hp	1.5	2.0	2.0	
Propeller diameter	mm [inch]	1400 [55]	1400 [55]	1400 [55]	
Number of blades/material		3/Munters Protect	6/Munters Protect	3/Composite	5/Composite
Drive		Belt	Belt	Direct	
Weight of fully equipped fan	kg	114	122	130	131
Max power consumption/max current ¹	W/A	1900/3.4	2350/4.3	2115/4.3	2460/4.7
Protective class of electric motor		IP55	IP55	IP55	
Noise level ²	Db(a)	75.3	76.9	77.7	78.9

¹50 Hz 400 V specification, 60 Hz available upon request (not available with Direct drive 5 blades), ²Noise measured according to ISO 3744



Belt 1.5		Belt 2.0		Direct 2.0	
Motor	BESS Lab	Motor	BESS Lab	Motor	Motor
— hp 1.5 IE3	#21109	— hp 2 IE3	#21113	— hp 2.0 IE3, 3 blades	— hp 2.0 IE3, 5 blades

Load capacity

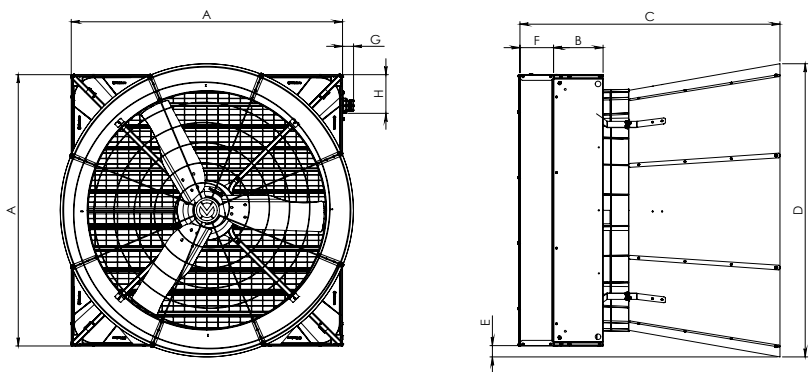
	Belt 1.5		Belt 2.0		Direct 2.0	
	Unassembled	Assembled	Unassembled	Assembled	Unassembled	Assembled
40'HC Container	132 (108')	25	120 (96')	25	72 (60')	22
Truck	-	30	-	30	-	25

¹with square safety mesh

Munters Saturn ONE Series

Munters Drive

Dimensions

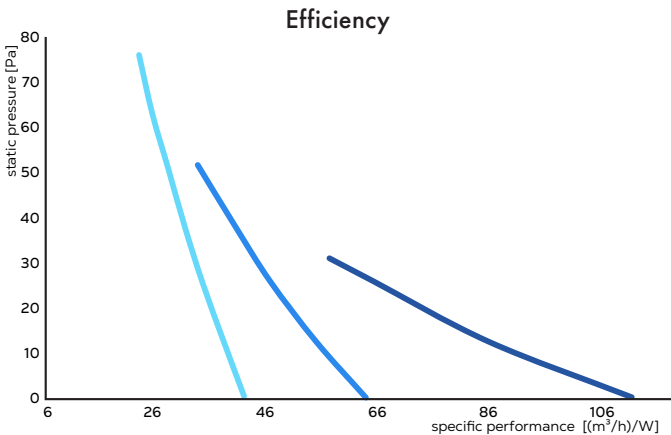
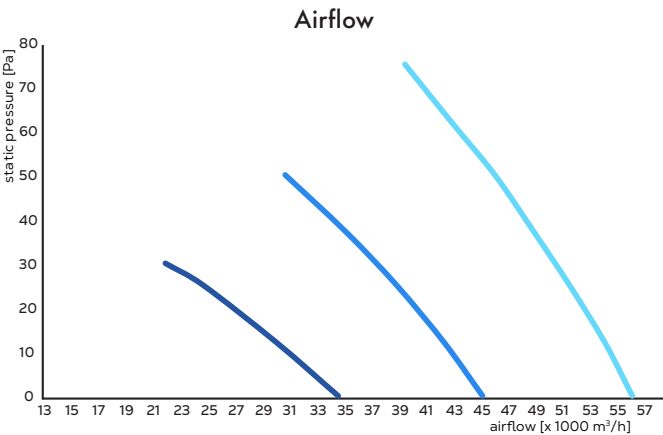


A	B	C	D	E	F	G	H
1615 mm	295 mm	1518 mm	1745 mm	80 mm	173 mm	65 mm	230 mm

Technical specifications

Munters Drive		
Nominal power	hp	2.0
Motor type	EC - Permanent Magnet	
Propeller diameter	mm [inch]	1400 [55]
Nominal propeller speed	rpm	625
Transmission	Direct Drive	
Number of blades/material	3/Munters Protect	
Weight of fully equipped fan	kg [lbs]	120 [264]
Max power consumption/max current @ 400 V 3Ph	W/A	2000/4
Min/Max operating temperature	°C [°F]	-15/+40 [5/104]
Max operating pressure	Pa	75
Noise level ¹	Db(a)	74.3

¹Noise measured according to ISO 3744



— 625 rpm, — 500 rpm, — 375 rpm. Airflow and efficiency data according to BESS Lab test #21133

Load capacity

	Munters Drive with/without square safety mesh	
	Unassembled	Assembled
40'HC Container	72	22
Truck	72	25

Find your nearest Munters office at www.munters.com

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