



Munters Saturn ONE Series

Air extraction fans

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

Features

- Optimized conveyor shape built with composite material
- Fewer moving parts reduce maintenance needs and costs
- Smooth inner housing edges increase airflow efficiency
- Reduced noise emission to enhance environment for animals
- Energy efficient ventilation system, saving up to 60% of electricity with Munters Drive
- Patented Anti-Gravity Shutter (AGS) reduces light, air leakage, dust deposit and noise. Detachable

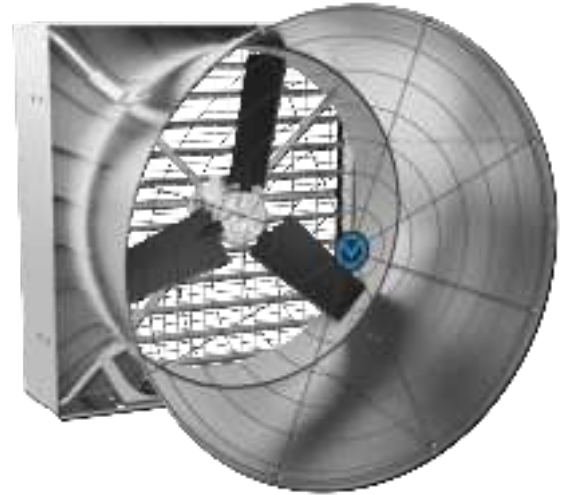
Saturn ONE Series includes High Efficiency, High Pressure, Direct Drive and Munters Drive and it is designed for any poultry or greenhouse application at any climate zone, combining profitability and sustainability.

The patented AGS, featured in all Saturn Series models, seals tightly eliminating the thread of light, air draft and dust deposit. The propeller blades have been focused on performance, providing exceptional airflow, even in high-pressure environments with excellent airflow ratio and efficiency.

Saturn ONE Munters Drive ensures performance above the market standard and reduces the power consumption up to 60% than traditional models. The VFD controller generates the most efficient rotation and an easy and quick installation, while a proportional gear motor optimizes the AGS operations.

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

Munters Saturn ONE Series



Saturn ONE Direct Drive



Saturn ONE Munters Drive – Patented Anti-Gravity Shutter

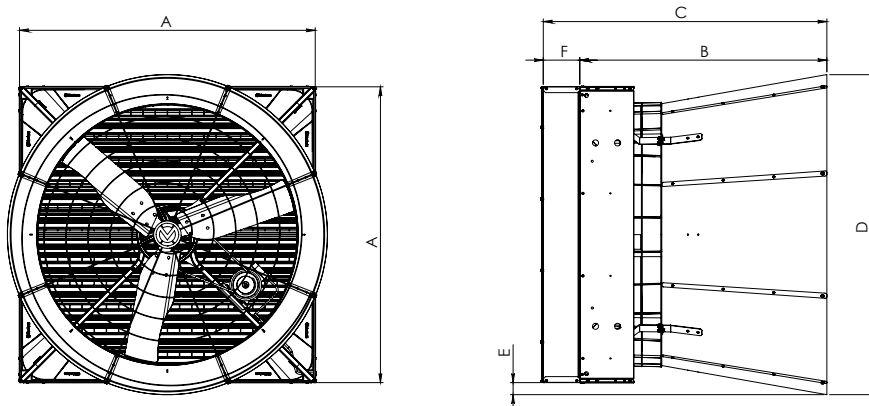


	High Efficiency	High Pressure	Direct Drive	Munters Drive
Drive	Belt	Belt	AC, Direct	EC, Direct
Propeller	3 blades, Munters protect	6 blades, Munters protect	3 blades, Composite airfoil	3 blades, Munters Protect
Nominal power	1.5 Hp	2.0 Hp	2.0 Hp	2.1 Hp
Application	Broiler, greenhouse	Layer houses w/obstacles, Broiler mega houses, Light control (light filters) houses	Layer houses w/obstacles, Broiler mega houses, Light control (light filters) houses, No maintenance	Any poultry, greenhouse at 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

High Efficiency - High Pressure - Direct Drive

Dimensions

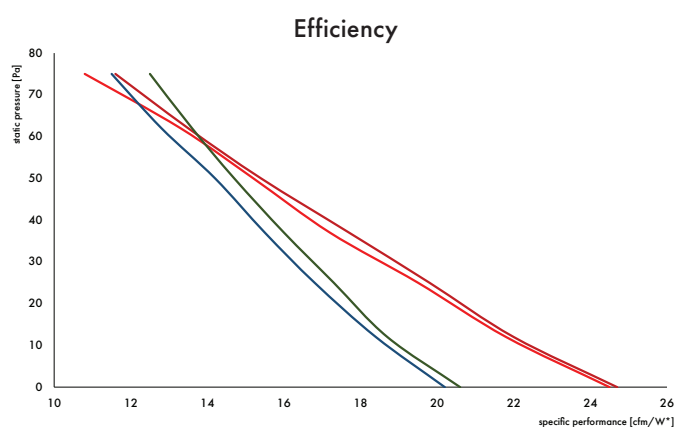
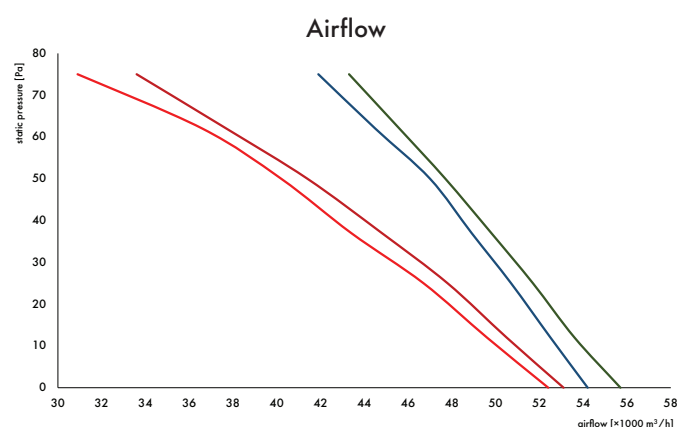


	A	B	C	D	E	F
High Efficiency	1615 mm	1345 mm	1545 mm	1745 mm	80 mm	200 mm
High Pressure						
Direct Drive						

Technical specifications

		High Efficiency	High Pressure	Direct Drive
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 steel	6/Munters protect steel	3/Composite
Transmission		Belt drive	Belt drive	Direct drive
Weight of fully equipped fan	kg	114	122	135
Max power consumption/max current ¹	W/A	1900/3.4	2350/4.3	2600/5.5
Protective class of electric motor		IP55	IP55	IP55
Noise level ²	Db(a)	75.3	76.9	78.5

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



High Efficiency		High Pressure		Direct Drive	
Motor	BESS Lab	Motor	BESS Lab	Motor	BESS Lab
— Hp 1.5 IE3	#21109	— Hp 2 IE3	#21113	— Hp 2 IE3	#21131
— Hp 1.5 IE1	#21106				

*1 cfm/W = 1.7 m³/hW

Load capacity

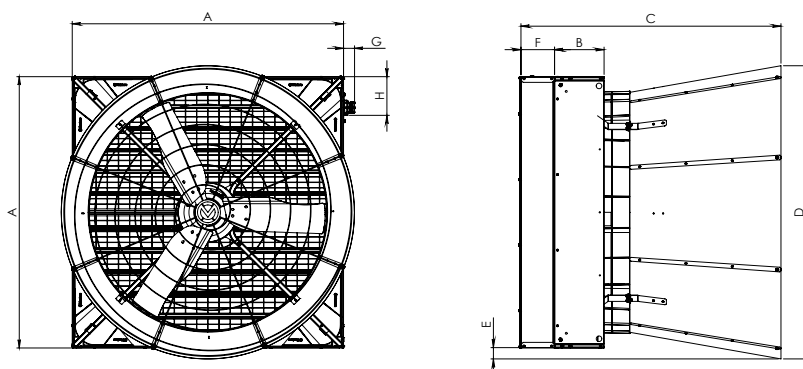
	High Efficiency		High Pressure		Direct Drive	
	Unassembled	Assembled	Unassembled	Assembled	Unassembled	Assembled
40'HC Container	132 (108 ¹)	25	120 (96 ¹)	25	72 (60 ¹)	22
Truck	-	30	-	30	-	25

¹with square safety mesh

Munters Saturn ONE Series

Munters Drive

Dimensions

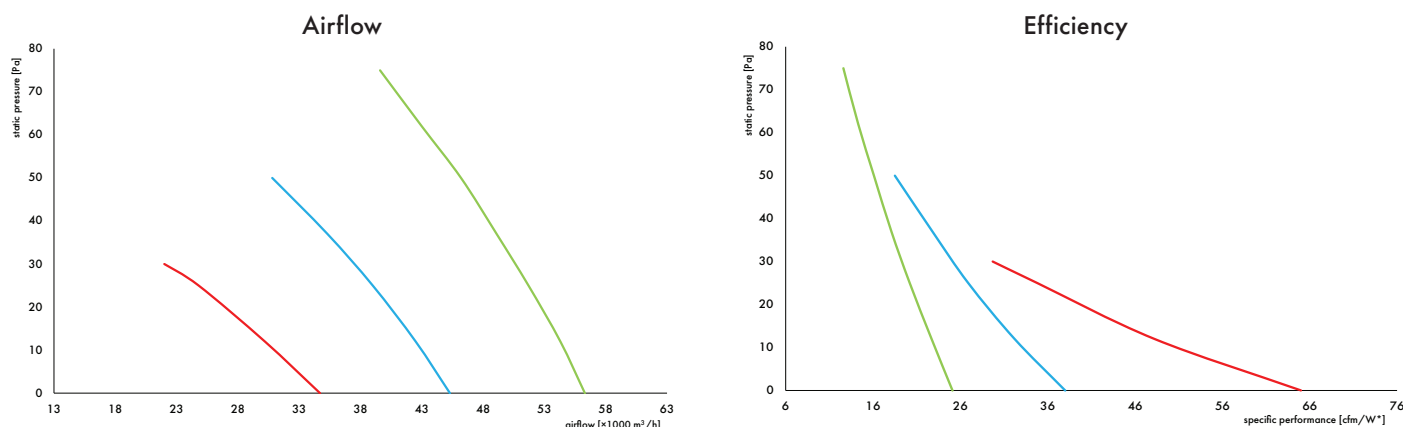


	A	B	C	D	E	F	G	H
Munters Drive	1615 mm	295 mm	1545 mm	1745 mm	80 mm	200 mm	65 mm	230 mm

Technical specifications

Munters Drive		
Nominal power	Hp	2.1
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 measure according to ISO 3744



— 625 rpm, — 500 rpm, — 375 rpm. Airflow and efficiency data according to BESS Lab test #21133. *1 cfm/W = 1.7 m³/hW

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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