

Frequently Asked Questions

Eco-Design Directives of fans: ErP Directives

1. What is the reason of setting up Directives concerning Ecodesign?

The main goal of these directives of the European Community is reducing energy consumption. In order to realize this, there have been set Directives concerning the ecodesign of motors and fans amongst others.

2. Which Directives are applicable for fans?

On 11th of June 2010 the fan directives in the European Parliament were validated.

In general terms, the directives are known as ErP Directives.

3. For which fans is this directive valid?

This Directive defines the ecodesign for fans driven by motors with the following characteristics:

- An electrical power input between 125 W and 500 kW.

4. When will the Fan Directive be valid?

The first phase will be implemented from 1st of January 2013; the second phase, with higher efficiency goals, will be valid as from 1st of January 2015.

5. What do the efficiency requirements concerning fans include for complying the first phase?

The minimum efficiency is defined per fan type, measuring system and the energy consumption.

6. Is it required for fans of Vostermans Ventilation to comply to the Directive?

Yes, almost all fans being produced by Vostermans Ventilation have to comply.

7. Do the fans of Vostermans Ventilation already meet the requirements?

A great number of fans from Vostermans Ventilation already meet the requirements of the Directive. Because the development of fans has always been focused on the optimal motor-impeller combination, most of the fans already meet the strict requirements valid as from 1st of January 2015.

8. Which price adaptations do both Directives have on prices of motors and fans?

The efforts of Vostermans Ventilation are focused on reducing cost-price increases to a minimum.

9. How can you tell if a fan complies with the requirements?

By the CE-mark. Only fans which meet these requirements are allowed to use this CE-mark. Besides this, the total efficiency has to be mentioned on the product label and as an appendix of the manual.

10. Are the Directives also valid for export to countries outside the European Community?

No, the Directives are only valid for countries within the European Community. However, non-EC countries already have set own rules or planning to set these in the near future for motor and fan efficiency.

11. Are the Directives also valid for importing fans from countries outside the European Community?

Yes, these Directives are also valid for imported fans.

Multifan 130

@energyline

ENERGY SAVING VENTILATION SOLUTIONS FOR AGRICULTURAL AND INDUSTRIAL APPLICATIONS



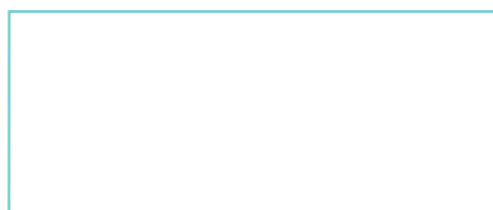
Vostermans Ventilation B.V.
P.O. Box 3025
NL-5902 RA Venlo – Holland
Tel. +31 (0)77 389 32 32
Fax +31 (0)77 382 08 93
ventilation@vostermans.com
www.vostermans.com

Vostermans Ventilation Inc.
2439 S.Main St. – USA
Bloomington, IL 61704
Tel. +1 309 827 - 9798
Fax +1 309 829 - 1993
ventilation@vostermansusa.com
www.vostermansusa.com

Vostermans Ventilation S.A.R.L.
B.P. 1801
27018 Evreux Cedex
France
Tel. +33 (0)2 32 38 11 00
Fax +33 (0)2 32 33 37 12
ventilation@vostermansfrance.com
www.vostermans.com

Vostermans Ventilation Sdn. Bhd.
330, Lot 2593, Jln Seruling 59, Kws3,
Tmn Klang Jaya, 41200, Klang,
Selangor D.E., Malaysia
Tel. +60 (0)33324 3638 (HL)
Fax +60 (0)33324 1239
ventilation@vostermansasia.com
www.vostermans.com

Vostermans Ventilation B.V. develops, manufactures and distributes the full line of:



All rights reserved. Vostermans Companies is not responsible for inaccurate or incomplete data. In case of questions and / or regards, please contact ventilation@vostermans.com

Subject to alterations 10/2012



SHAPING THE FUTURE



Multifan 130

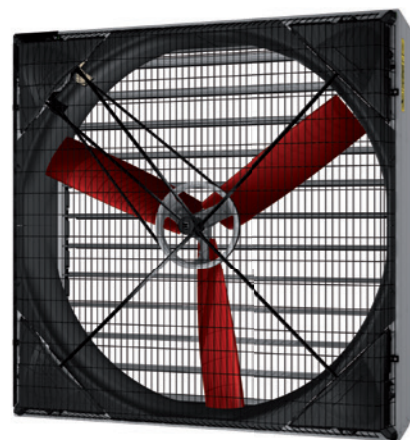
Through the aerodynamic design of the Multifan 130, Vostermans Ventilation can offer the market a fan with high air volumes (44.700 m³/h at 0 Pa) with a very low power consumption (33,6 W/1000 m³/h). Tunnel or length ventilated houses demand, through higher product performances higher quantities of fresh air at low cost.

Advantages

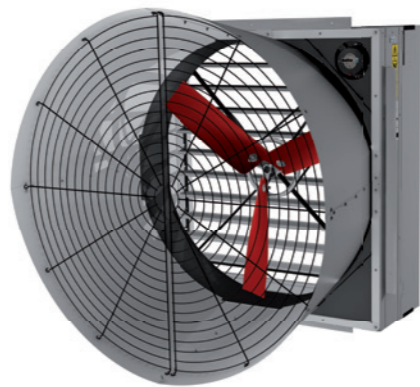
- Designed to allow minimal air losses
- The blades are especially 3-dimensionally shaped providing a maximal air performance of the fan
- Low noise level
- High air flow with minimal effort
- Durability as an asset
- Materials resistant against aggressive climates
- Easy to clean for optimal hygiene
- For higher pressures in poultry- or pig farms (from 60-100 Pa) a 5-blade Multifan 130 is available
- Available with cone fan and with shutter on the inside, providing further possibilities for increasing the airflow capacity

Options

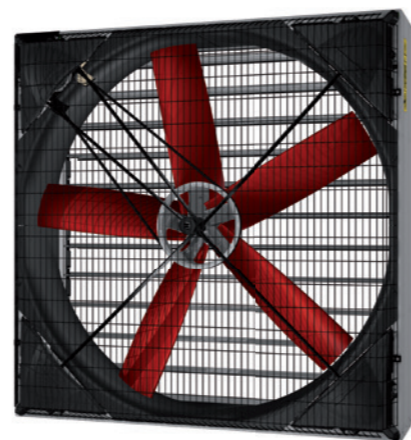
- Controllable with frequency controller
- CE-wire guard
- Multiple versions available: 3-blade version, 5-blade version, with cone or single-phase



Multifan 130 with 3 blades



Multifan 130 with cone



Multifan 130 with 5 blades

Technical data

3 ~ 230/400 V 50 Hz	Ø (mm)	RPM	Item	Type	P _{in} (W)	SFP at 0 Pa (W/1000 m ³ /h)	I ₁ (A)	I ₂ (A)	I _{1 max} (A)	I _{2 max} (A)	Q _v (m ³ /h)				L _{wa} * (dB(A))	
											0 Pa	30 Pa	50 Pa	80 Pa		
	1300	570	V4D1600M11036	V4D130-3PP-55	3-blades	1500	33,6	4,9	2,8	5,2	3,0	44.700	38.400	32.700	-	65
	1300	580	V4D1663M11036	V4D130-5PP-48	5-blades	1350	34,1	4,6	2,7	5,1	3,0	39.600	35.000	31.700	25.600	64
	1300	570	V4D1600M10338	V4D130-3PP-55	3-blades with cone	1450	29,6	4,9	2,8	5,2	3,0	49.000	43.100	38.400	-	64
	1300	580	V4D1663M10338	V4D130-5PP-48	5-blades with cone	1300	30,2	4,5	2,6	5,1	3,0	43.100	38.700	35.500	28.300	65

Data according ErP (Energy related Products)-directives (EU Commission Regulation 327/2011). Measurements without wireguard.
* Sound pressure level measured at 7 meters free blowing distance.

Dimensions

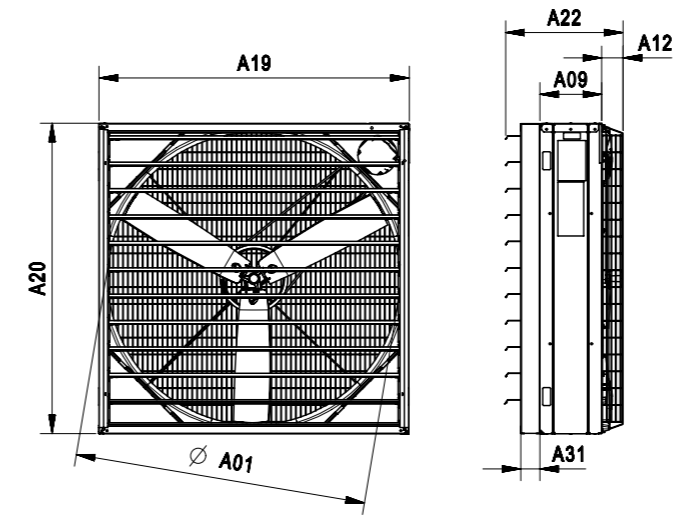


Figure 1: Multifan 130 with 3 blades and 5 blades

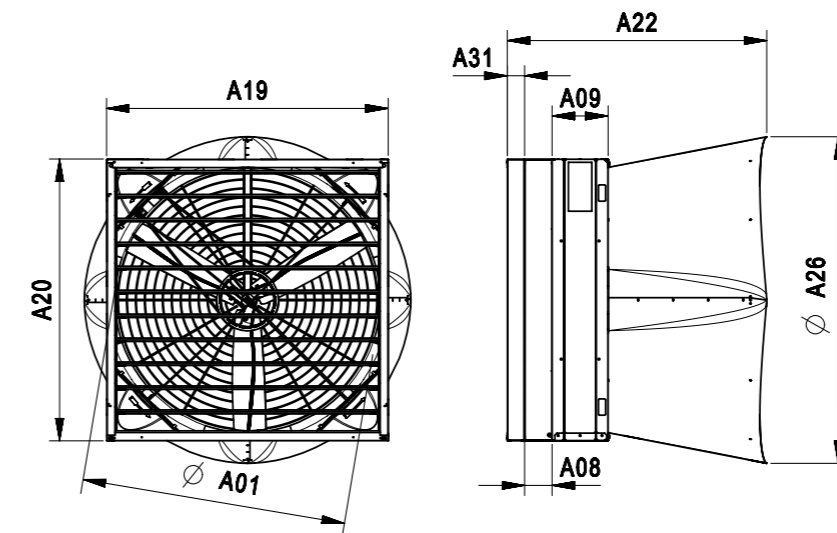


Figure 2: Multifan 130 with cone 3 blades and 5 blades

Ø mm	Figuur	Dimensions (mm)								
		A01	A08	A09	A12	A19	A20	A22	A26	A31
1300	Figuur 1	1284	-	275	96	1382	1382	523	-	85
1300	Figuur 2	1284	135	275	-	1382	1382	1275	1600	85