Multifan

AirBreeze

The ultimate answer to heat stress



VOSTERMANS VENTILATION

YOUR SPECIALIST IN AIR

Multifan AirBreeze

The Ultimate Answer to Heat Stress

The Multifan AirBreeze has been specifically developed for dairy farming to reduce heat stress in cows from the very first signs. With an airspeed of at least 2 m/s, this fan provides powerful and targeted cooling up to 18 meters in length and 5 meters in width. This helps maintain milk production during hot summer days, ensuring a return on investment within just a few years!

This powerful airflow also offers significant benefits for industries beyond dairy farming. Improve comfort during hot days or reduce cooling times in production processes.



Why Choose This Fan?

- Most powerful circulation fan in our range
- Fast return on investment
- Easy installation using chains low-maintenance design
- Durable materials for long lifespan
- Low noise levels for a peaceful working environment
- 3-year warranty on the motor

Features

- Diameter of 150 cm for maximum airflow
- High air output up to 48.500 m³/h
- Throw up to 25 meters at 2 m/s
- Two versions: High Efficiency and High Performance
- Energy-efficient: 17,2 Watts per 1.000 m³/h
- Low noise levels: 55 dB(A) at 7 meters, 66 dB(A) at 2 meters
- IP55 motor (water and dust resistant)
- Intuitive design for easy installation

Applications

- Agriculture: Dairy, Pigs, Poultry
- Greenhouses
- Industry

Options

- Mounting set for easy installation:
  - 4 x 7.5-meter chains
  - 2 x 3-meter chains
  - 8 carabiner hooks
- ECplus and Vplus technology for extra energy savings:
  - Stepless speed control via 10-0V signal
- Mounting bracket for securing ECplus and Vplus controllers between chains





Multifan AirBreeze High Efficiency



Multifan AirBreeze High Performance



Optional: ECplus & Vplus technology for more energy savings

Technical data single-phase

Version *	Article	ø (cm)	Power supply			(n) RPM	P_{in} (W)	I_{nom} (A)	Q_v (m³/h) AMCA 230-99	Q_v (m³/h) AMCA 230-23	Throw (m) **	SFP @0Pa (W/1000m³/h)	dB(A) ***	Control options ****
			~	V	Hz									
HE	D4E15B0M16200	150	1~	230V	50	355	730	3,3	57.200	40.450	23	18,0	55	-
HP	D4E15A0M16200	150	1~	230V	50	425	1065	4,8	68.100	48.150	25	22,1	55	-
	ECplus technology													
HE	D4E15B3M16200FD	150	1~	230V	50/60	365	855	6,7	59.100	41.800	20,5	22,0	55	F
	Performance at 20% RPM					70	40	0,4	8.150	5.750	-	7,0	-	

Technical data three-phase

Version *	Article	ø (cm)	Power supply			(n) RPM	P_{in} (W)	I_{nom} (A)		Q_v (m³/h) AMCA 230-99	Q_v (m³/h) AMCA 230-23	Throw (m) **	SFP @0Pa (W/1000m³/h)	dB(A) ***	Control options ****
			~	V (Δ / Y)	Hz			Δ	Y						
HE	D4D15B0M16200	150	3	230 / 400	50	365	750	2,4	1,4	58.250	41.200	23	18,2	55	-
HE	D4D15B1M16200	150	3	230 / 400	50	355	700	2,4	1,4	57.500	40.650	23	17,2	55	T
HE	D4D15B2M16200	150	3	230 / 400	50	365	750	2,4	1,4	58.250	41.200	23	18,2	55	F
HP	D4D15A0M16200	150	3	230 / 400	50	420	1000	3,4	2,0	68.100	48.150	25	20,8	55	-
HP	D4D15A2M16200	150	3	230 / 400	50	420	1000	3,4	2,0	68.100	48.150	25	20,8	55	F
	ECplus technology														
HP	D4D15A3M16200FD	150	3	400	50/60	420	1060	-	1,8	68.600	48.500	25	21,9	55	F
	Performance at 20% RPM					104	65	-	0,2	17.250	12.200	-	5,3	-	
	Vplus technology														
HP	D4D15P0M16200	150	3	400	50/60	420	975	-	1,7	68.450	48.400	25	20,1	55	F
	Performance at 20% RPM					84	55	-	0,2	14.000	9.900	-	5,6	-	

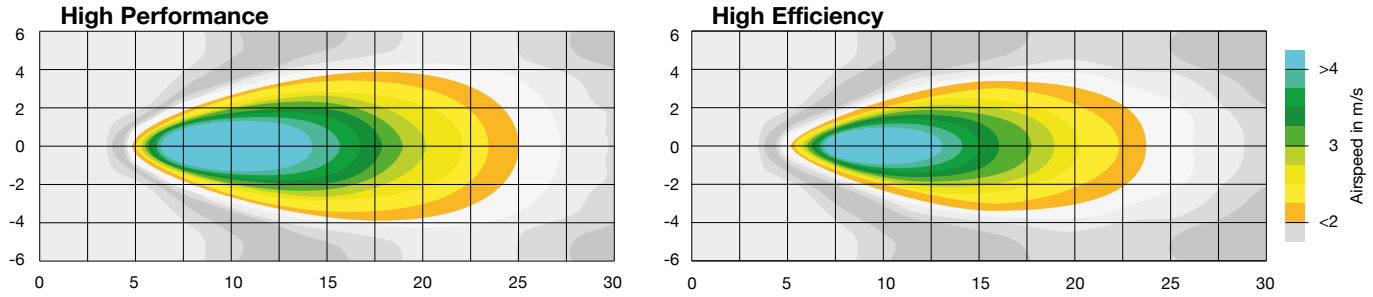
* High Efficiency (HE), High Performance (HP).

** The throw is the distance at which the airspeed is still 2 m/s. (Measured in a space without obstacles, with a free space of 2.7 m below the fan and at an angle of 20°).

*** Noise levels are calculated at 7 meters in free air throw conditions.

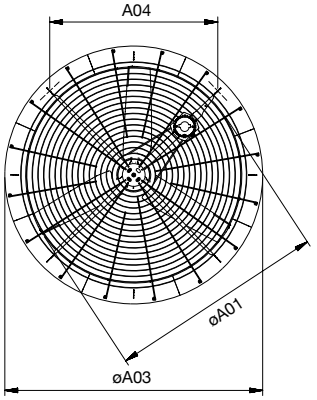
**** Adjustable by Transformer (T) or Frequency Control (F).

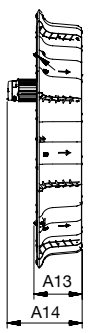
Airflow Profile



The throw of the Multifan AirBreeze has been measured by our R&D department according to the LFL measurement methodology (Bayerische Landesanstalt für Landwirtschaft). The fans were mounted at a height of 2.7 meters at a 20-degree angle.

Dimensions (mm)





A01	1.524
A03	1.810
A04	1.180
A13	339
A14	Max. 536

Fan-to-fan distance recommendation

High Efficiency	15 meters *
High Performance	18 meters *

** This product is specifically designed for dairy farming. To prevent heat stress in dairy cows, a minimum airspeed of 2 m/s is required. For double-row stalls, this airflow must cover a width of 5 meters. Based on this requirement, the maximum spacing between fans has been determined. In other situations, different spacing may be needed.*

Save More Energy

The standard Multifan AirBreeze is also available in extra energy-efficient models. With the MFD frequency controller, fan speed can be continuously adjusted. Reducing the speed by 20% cuts energy consumption in half.

To protect sensitive electronics in the controller, it is housed in a separate IP65-rated enclosure, ensuring reliable performance even in extreme environments.



ECplus & Vplus for Winter Conditions

By running circulation fans at low speeds when heat stress is not an issue, air movement is maintained to minimize moisture-related issues and keep cow bedding drier. Additionally, the energy-efficient ECplus and Vplus technologies help reduce energy consumption to an absolute minimum.

Why choose Vostermans Ventilation:

LOYAL TO YOU

We care for your specific needs based on our long expertise. In close cooperation with you we secure your business outcomes.

RELIABLE

Since our foundation in the Netherlands in 1952, we maintain our reputation as reliable partner. Our carefully selected global network of independent distributors strive to deliver you dedicated service and expertise.

FUTURE PROOF

Our future proof approach, which combines energy efficiency solutions with robust quality and rigorous testing, is based on a genuine commitment to serve as a trusted partner.

Vostermans Ventilation is a global developer and manufacturer of sustainable axial fans for the agricultural and industrial market. Sustainability is key for Vostermans. Their premium brandlines Multifan and EMI are showcasing the drive for advanced energy efficient fans. The company applies continuous innovation and research in their own motor production facility and in house state of the art R&D department. Vostermans Ventilation, part of Vostermans Companies founded in 1952, is based in Venlo, the Netherlands and operates in USA, China and Malaysia.

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Venlo - The Netherlands
Tel. +31 (0)77 389 32 32
ventilation@vostermans.com

Bloomington, IL- USA
Tel. +1 309 827-9798
ventilation@vostermansusa.com

Tmn Klang Jaya - Malaysia
Tel. +60 (0)3 3324 3638
ventilation@vostermansasia.com

Shanghai - China
Tel. +86 21 5290 2889
ventilation@vostermanschina.com

www.vostermans.com