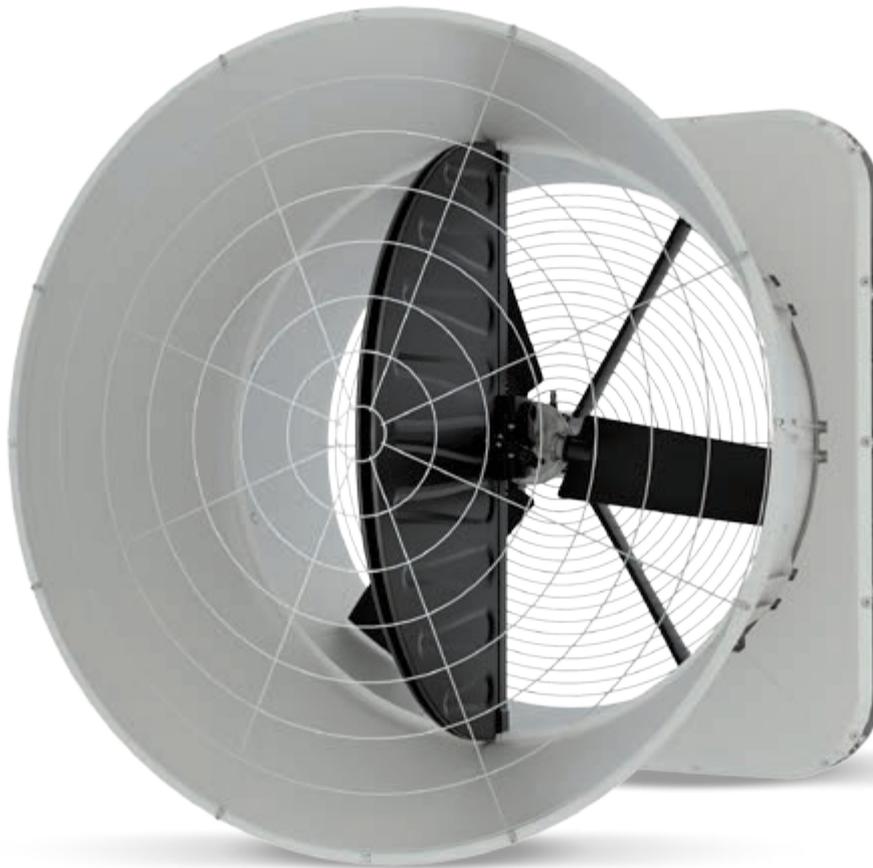




**NEW!**

**Big Dutchman®**



## **Airmaster Blue 170C**

XXL all the way:  
air performance, energy efficiency, resistance against pressure

# AirMasterBlue 170C – high air performance, very energy-efficient

Big Dutchman has developed the next generation of fans: **AirMasterBlue 170C**. AirMasterBlue 170C has four outstanding characteristics:

- ✓ very high air performance
- ✓ minimum energy consumption

- ✓ optimized aerodynamic design
- ✓ resistance against corrosion

This unique combination guarantees that our customers have a significant advantage in terms of profitability in climate control.

As AirMasterBlue is very resistant against pressure, it is the perfect choice for long houses with tunnel ventilation.

## Components of AirMasterBlue 170C



- 1 Light trap (optional): available in two versions (black, brown)
- 2 Insulation cover: easy to install (optional)
- 3 Wire mesh guard
- 4 Housing: optimized aerodynamic design
- 5 Wall cover (optional)
- 6 Motor with impeller: direct drive, energy-saving EC motor, easy to maintain
- 7 Motorized shutter: an emergency opening connection is possible, very airtight
- 8 Cone: aerodynamic shape
- 9 Wire mesh guard

## Advantages

- ✓ high air performance and resistance against pressure ensure that the fan is well-suited for tunnel ventilation in long houses;
- ✓ currently the most energy-efficient solution for ventilating livestock buildings in combination with the Dynamic MultiStep exhaust air principle;
- ✓ motorized shutter closes the fan airtight: an important emergency opening system can be connected;
- ✓ extremely low noise level;
- ✓ direct drive and a very stable connection between hub and blades for easy maintenance;
- ✓ high-quality materials: the fan is made of high-quality plastic and stainless steel, preventing corrosion;
- ✓ protection rating IP 65: high-pressure cleaners can be used without any concern;
- ✓ unassembled upon delivery for a low shipping volume and thus lower transport costs.

## Technical data AirMasterBlue 170C ~ 400 V, 50 Hz

Type	Negative pressure (Pa / Inch H <sub>2</sub> O)	Code no.	Capacity in m <sup>3</sup> /h   cfm					
			0   0	20   0.1	40   0.15	60   0.25	80   0.3	100   0.4
<b>BD-Blue 170C-4</b>		60-25-3703	47 100   27 800	41 500   23 300	35 000   20 900			
– specific output in W/1000 m <sup>3</sup> /h   cfm/W			13   45.1	18   30.2	24   25.3			
<b>BD Blue 170C-5</b>		60-25-3708	55 700   32 800	51 000   29 300	45 800   27 400	40 100   23 200	34 500   21 100	
– specific output in W/1000 m <sup>3</sup> /h   cfm/W			18   32.9	23   24.5	28   21.3	35   16.7	42   14.8	
<b>BD Blue 170C-6</b>		60-25-3711	65 800   38 700	61 700   35 800	57 800   34 300	53 300   30 900	48 600   29 100	43 200   25 300
– specific output in W/1000 m <sup>3</sup> /h   cfm/W			25   24.7	30   19.6	35   17.8	41   14.4	47   13.1	58   11.0
<b>BD Blue 170C on/off</b>		60-25-3714	59 600   35 100	56 300   32 500	52 400   31 200	48 200   28 000	43 700   26 400	39 200   23 100
– specific output in W/1000 m <sup>3</sup> /h   cfm/W			27   21.4	32   17.7	37   16.3	43   13.5	50   12.2	57   10.3
The speed of all adjustable AirMasterBlue 170C fans can be reduced significantly: a great potential for saving energy!								
<b>BD Blue 170C-4/-5/-6</b>			33 000   19 400	24 900   12 800	22 000   13 800			
– specific output in W/1000 m <sup>3</sup> /h   cfm/W			6   98.1	11   45.3	21   29.8			

Fans with other voltages and frequencies are available upon request.

Extensive testing of the BESS (Bioenvironmental and Structural Systems) Laboratory of the University of Illinois, USA, confirms efficiency and quality of the new AirMasterBlue 170C fan.



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