



Big Dutchman®



AirMaster **Blue 140C**

High performing energy efficient fan

AirMaster Blue 140C – high air performance, very energy-efficient

Big Dutchman has developed the next generation of fans: **AirMaster Blue 140C**. AirMaster Blue 140C 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 AirMaster Blue 140C



- 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 AirMaster Blue 140C ~ 460 V, 60 Hz

Type	Code no.	Capacity in m³/h cfm					
Negative pressure (Pa / Inch H ₂ O)		0 0	20 0.1	40 0.15	60 0.25	80 0.3	100 0.4
BD-Blue 140C-4	60-25-3733	47 100 27 800	41 500 23 300	35 000 20 900			
– specific output in W/1000 m³/h cfm/W		13 45.1	18 30.2	24 25.3			
BD Blue 140C-5	60-25-3738	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 m³/h cfm/W		18 32.9	23 24.5	28 21.3	35 16.7	42 14.8	
BD Blue 140C-6	60-25-3741	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 m³/h cfm/W		25 24.7	30 19.6	35 17.8	41 14.4	47 13.1	58 11.0
BD Blue 140C on/off	60-25-3746	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 m³/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 140C fans can be reduced significantly: a great potential for saving energy!							
BD Blue 140C-4/-5/-6		33 000 19 400	24 900 12 800	22 000 13 800			
– specific output in W/1000 m³/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 AirMaster Blue 140C fan.



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Technical details are subject to change. 10/2021