FAN FOR GREENHOUSES

- ✓ Low operating cost
- ✓ High durability
- ✓ Easy assembly
- ✓ Low energy consumption
- ✓ Optimally design for use in greenhouses

The highly efficient fan for your greenhouse

The growth of plants depends on a whole series of factors. In a controlled environment, which a greenhouse provides, the optimum climate required can be created and precisely regulated by controlling the temperature, irrigation and other parameters, due to the flexible and easy operation using a keyboard.

Climate

Correct ventilation also plays a key role.

- The air available in the greenhouse must be circulated, exchanged and evenly distributed.
- The fan compensates the temperature in the greenhouse and changes the humidity around the micro climate at the plant.

Robust and durable

Ambient conditions in the greenhouse require fans matched accordingly.

- They must be designed to be robust and durable.
- They must be designed for continuous service in high and very high air humidity and their performance must also not be affected by organic or chemical particles in the air.
- This type of fan has been used in greenhouses for decades. The experience has been incorporated into the new generation of fans that operate in both an eco-friendly and efficient manner.

Low operating costs

- The overall system of greenhouse fans has been further optimized resulting in above-average efficiency and low operating costs.
- The system components are convincing right down to the last detail, such as the bionic blade modelled as the wings of an owl.
- The ECblue high-efficiency motor is available to reduce operating costs even further, providing activation via 0-10V, 4-20mA or MODBUS. This sets new standars for efficiency.

Minimum assembly time

- Assembly time is reduced by making numerous mounting points available on both sides of the flange, thus ensuring a high level of flexibility.
- Thanks to the use of high performance composites, the new generation of greenhouse fans is considerably lighter than comparable systems made of metal.
- The design with the center of gravity in the middle allows an easy balanced mounting.

High durability

- High corrosion protection is one of the factors contributing to the system's special durability.
- The nozzle and blade are made of high performance composite material, while all the other metal parts are coated in accordance with greenhouse requirements
- Extensive laboratory and field tests confirm suitability for greenhouse use.

Future-proof efficiency

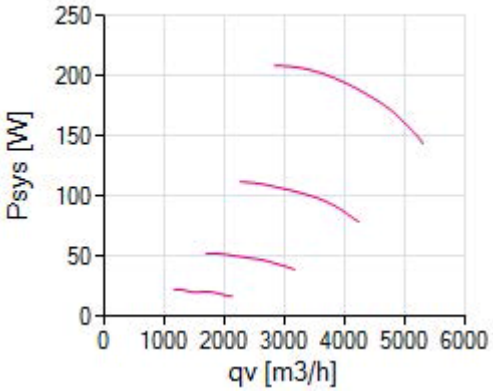
This fan meets the minimum efficiency requirement, which toke effect in 2020. This makes a product change unnecessary in the medium-term.

SPECIFICATIONS / **FAN - ITEM NO. 470003**

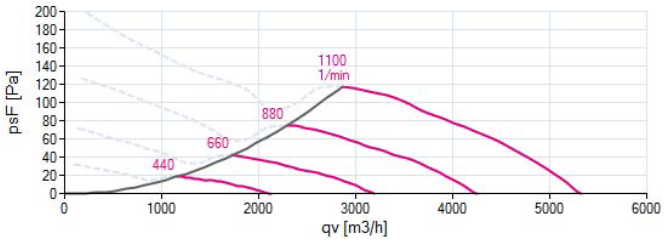
Technical specifications

Supply Voltage:	1~200-277V 50/60Hz P1210W 1.05-0.78A 1100 min-1 60° C
Electrical connection:	Integrated controller
Control:	ECblue basic +MODBUS
Min. operating temperature:	-35° C
Max. volume flow rate:	5,331 m²/h
Proofing:	IP54
Colour rotor:	RAL 5002 (ultramarine blue)
Colour housing:	White
Weight:	11.20 kg

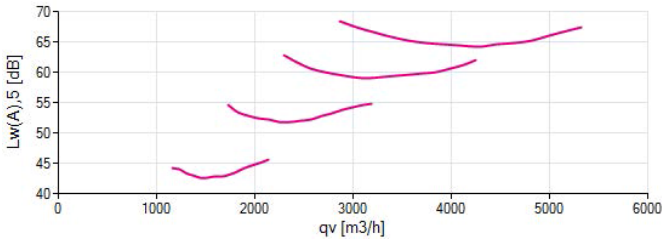
Power usage



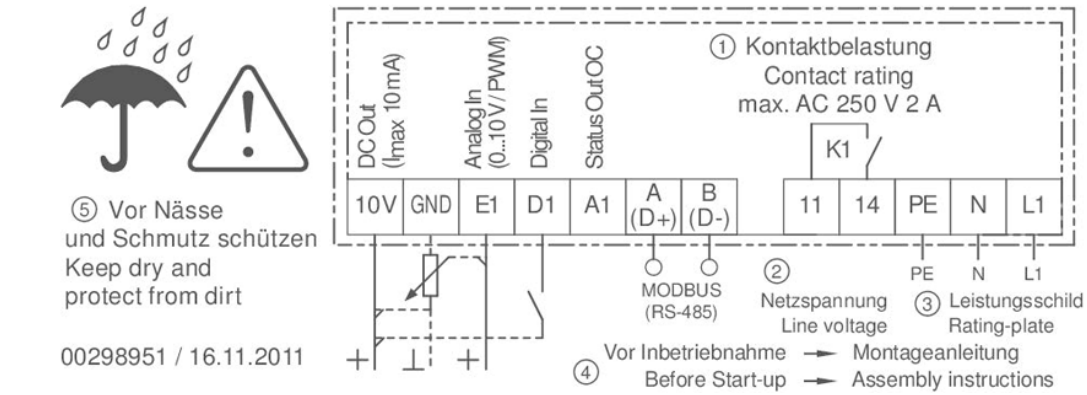
Air Performance



Acoustics



Connection Diagram



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Version: