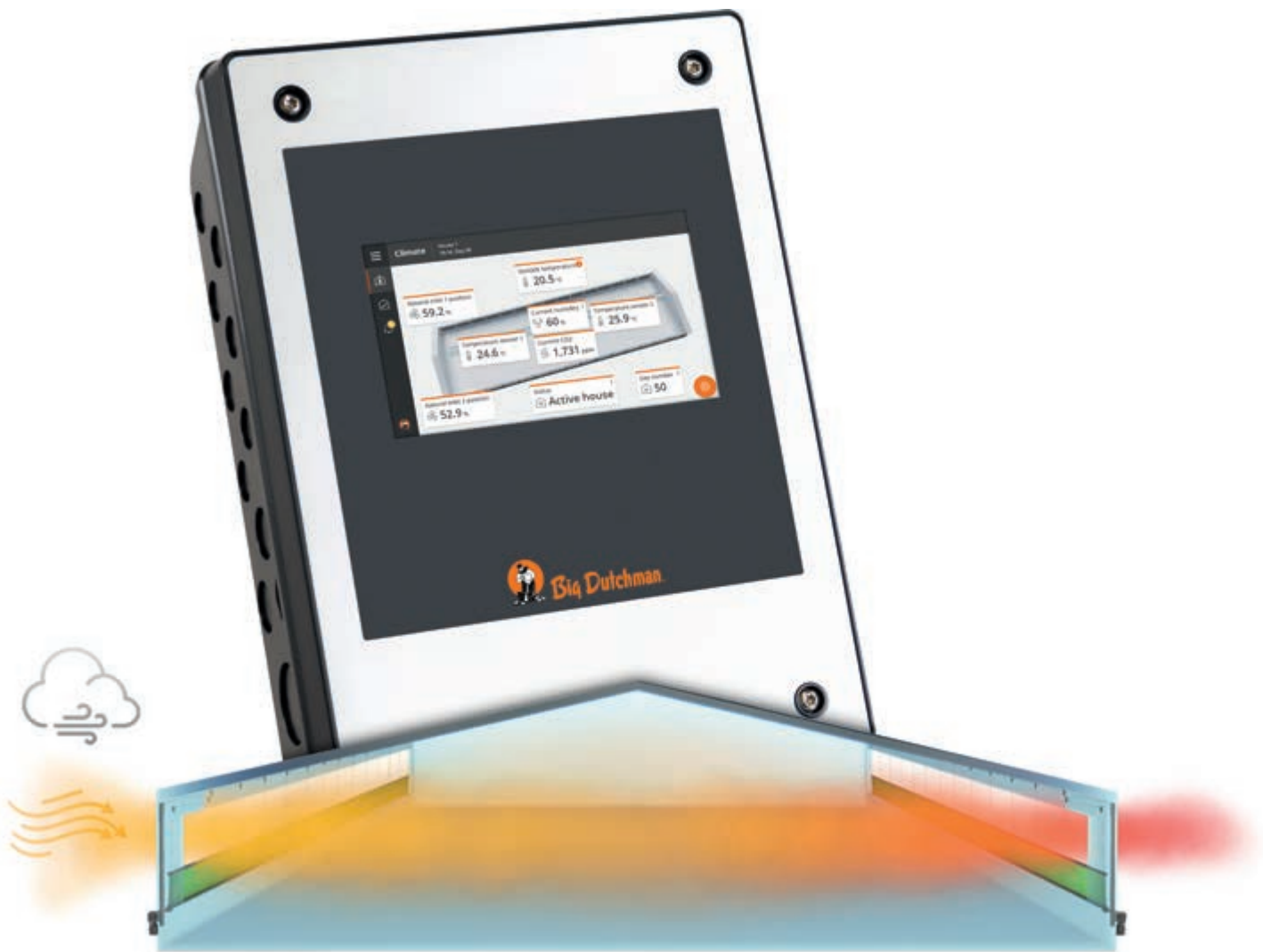




Big Dutchman®



Breezy

The perfect computer for controlling natural ventilation in your barn

Breezy: reliable and automatic curtain control for ideal temperatures in the naturally ventilated barn

Natural ventilation in pig and poultry houses is a good option especially in regions without frost – and available at a reasonable price. To control the air exchange, roller curtains with electric winches are used on both long sides of the building, which is a well-proven concept to open and close the barn.

Based on the temperature and additionally supported by data from a weather station, **Breezy** controls the curtains automatically and independently of the side. The computer was developed by Big Dutchman specifically for naturally ventilated barns and comes with the following features:

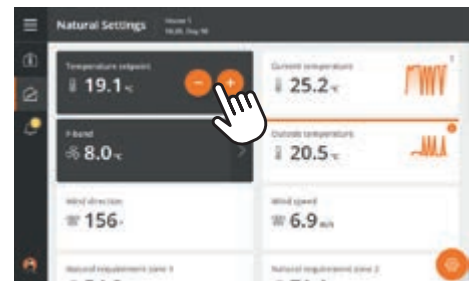
- coloured 7-inch display with a clear structure
- with its 12 relays, Breezy controls:
 - up to 2 recirculation fans
 - up to 4 actuators / electric winches
 - heating and cooling
 - up to 3 air exit flaps
- available for connection are:
 - up to 3 temperature sensors
 - one CO₂ sensor
 - one humidity sensor
 - one water meter
- integrated weather station to determine wind speed and direction
- compatible with BigFarmNet for poultry, for pig from November 2021



White curtains reflect the sunlight



The winch motor securely winds and unwinds the curtain



The display shows important climate data in a concise manner. The temperature setpoint, 19.1 °C in this example, can be adjusted. When temperatures exceed this value, the curtain will leave its position and open the barn further. The adjustable P-band defines the temperature addition at which the curtain is fully open.

Using sensors for climate control is state of the art today. Temperature, humidity and CO₂ sensors effectively measure and monitor changes in the house air. Sensors are

therefore the basis for any computer-controlled climate system. Big Dutchman can provide the full range of state-of-the-art sensors.



DOL 12 temperature sensor

DOL 114 sensor for relative humidity

DOL 19 CO₂ sensor

Weather station



Big Dutchman.

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