### 00.00.00 Ventilation/Air handling unit DucoBox Focus

serial no. 1

##### Description:

DucoBox Focus, zonal / locally controlled mechanical central extract unit.

##### Operation:

Wireless communication via RF protocol with other control components in the DUCO network.

Wired communication via DUCO protocol with other control components and, if applicable, electronically controlled window ventilators in the DUCO network using 5 x 0.8 mm² fixed core (power supply 2 x 0.8 mm²+ communication 3 x 0.8 mm² (A-B-GND)).

##### Material:

Plastic: Polypropylene

Electric motor: Supply voltage (VAC): 230

 Absorbed power (W):

 Max. 43 W at 225 m³/h

 Max. 72 W at 325 m³/h

 Max. 84 W at 400 m³/h

 Version: direct current

 Thermally protected

##### Version:

Connections: Diameter (mm): 125

 Number on extraction side (pcs.): 1

 Number on supply side (pcs.): 7

Electrical connections: Switch Sensor

 Control valves

 Duco Wired

 Duco Network Tool

 Display

Technical specifications:

Flow rate (m³/h) Max. 400

Discharge head (Pa): 150

Sound power level (dBA)) (at 350 m³/h with a head of 100 Pa): Intake: 57.5

 Emission from casing: 46.5

Dimensions (L x W x H) (mm): 480 x 480 x 195

Weight: 4,3 kg

Colour: Green with white cover

Features:

NightBoost: With DUCO’s NightBoost function, the ventilation system is deployed during summer to support the cooling of warm indoor temperatures. This fully automatic, smart (night) cooling function temporarily deactivates demand control and causes the system to operate at nominal value. Not only does this reduce the risk of overheating, it also reduces cooling requirements. Smart NightBoost algorithms ensure energy-efficient operation without disturbing night rest.

Accessories:

Connection cable with plug F.

Expandable with Duco Connectivity Board for linking towards home automation and building management systems via REST API (locally or via the cloud) or Modbus TCP (locally). Both are possible via Ethernet or Wi-Fi. The Duco Connectivity Board also enables the Duco Installation App to be used.

Integrated CO2, humidity or sensorless control valves (not supplied as standard).

Silent Plus kit (standard with basic kit Duco Focus (Tronic) System):

 3 acoustic blocks provided in central extract unit.

 3 acoustic extraction plugs on the central extract unit.

##### Application:

Mechanical ventilation system:

Applicable as standard in the following DUCO ventilation systems:

Duco Focus System (mechanical air extraction).

Duco Focus Tronic System (mechanical air extraction).

##### Mounting:

Mounting method: In a closed setup room against a wall with a mass > 200 kg/m².

Connections: Extraction side, rigid and fixed exhaust provided, as straight and direct as possible to the outside, transition 125 mm to 160 mm. Use at least 2 supply openings on the fan box, one for ventilation of the kitchen and one for ventilation of the other rooms.

Connection method: For commercial and technical assistance (assembly and installation instructions), please contact your regional dealer or the DUCO Ventilation & Sun Control project department.