Box fans
DUCO

B
D
E

Ducobox Silent Connect type DC-BOX

The **Ducobox Silent-Connect** and **Focus** are compact, very silent and extremely energy-efficient extraction units for domestic applications on demand, with easy programming up to 400 m³/h for demand-driven C systems. The flow rates are measured (centralized or individual) and adjusted by means of valves with integrated sensors, room sensors or sensors integrated in the device. This type of ventilation ensures minimal consumption and heat loss. The simple construction and efficient DC motor of the DucoBox, guarantee a long service life

Application
- Ventilation system C with f_{reduc} from 1 to 0.35
- The **Ducobox Silent Connect** and **Focus** can be connected to 66 humidity or CO2 sensors, controls and / or switching contact, in addition, the Duco Box Focus can also control up to 7 VAV valves with integrated sensors (**DC-VAV**)
- The **Ducobox Silent-Connect** and **Focus** can also be used without RH or CO_2 measurement, in which case a **DC-CV** control switch is required
- Suitable for wall and ceiling mounting
- Possibility of controlling 0-10V, ModBus or 24V Duco wired (transformer required) by means of a communication board, type **DC-PCB COM**
- The **Ducobox Focus** can be used with the **Duco Comfort Plus system** and the **Duco Tronic (plus)** system
- The **Ducobox Silent Connect** can be used with the **Duco Reno** system and the **Duco Tronic** system

Composition
- 7 suction points and 1 outlet point of Ø125 mm
- EBM DC motor
- Soundproof interior
- For wall and ceiling mounting
- Delivered as standard without remote control
- Can communicate with the "24V Duco-Wired" network
- Equipped with a "nightboost" function

Certification
- Tested according to NBN EN 308: www.epbd.be

DUCO
Ventilation & Sun Control

Accessories

- **DC-BOX SILENT CONNECT:**
  - **DC-RENO**: package CO_2 box sensor (**DC SENBOX CO2**), RH box sensor (**DC SENBOX RH**), switch contact (**DC-SC RF230**) and control switch (**DC-BAT CV**)
  - **DC-CV**: 3-position switch with auto function
  - **DC-SILP**: acoustic package -3dB (A)
  - **DC-SEN CO2**: CO_2 room sensor
  - **DC-SEN RH**: RH room sensor
  - **DC-SC RF230**: switching contact
  - **DC-PCB COM**: communication print
  - **DC-ADAP**: trousers 2x Ø125 to 1x Ø160 mm

- **DC BOX FOCUS:**
  - **DC-BCS PLUS**: basic package for Comfort Plus and Tronic (Plus) with CO2 valve for open kitchen (**DC-VAV CO2 75**), RH valve for the bathroom **(DC-VAV RH50)**, CO_2 valve for the toilet (**DC -VAV CO2 25**)
  - **DC-CV**: 3-position switch with auto function
  - **DC-SILP**: acoustic package -3dB (A)
  - **DC-VAV**: control valves based on RH and CO_2 measurement
  - **DC-SEN CO2:** CO_2 room sensor
  - **DC-SEN RH:** RH room sensor
  - **DC-SC RF230**: switching contact
  - **DC-PCB COM:** communication print
  - **DC-VDB:** distribution piece for regulating valves

Air performance data

		100Pa	150Pa	200Pa	250Pa	300Pa	350Pa	400Pa
		Q [m³/h]						
DC-BOX SILENT CONNECT	V1	450	420	365	330	280	200	120
DC-BOX FOCUS	V1	450	420	365	330	280	200	120

Technical data
DC-BOX SILENT CONNECT / FOCUS

Dia in	7x dia 125 mm
Dia out	1x dia 125 mm
Drain capacity at 150 Pa	400 m³/h
Width x Height x Depth	480 x 480 x 194 mm
Weight	4,3 kg
Unom	230 VAC - 50 Hz
Inom	0,65 A
Pmax	85 W

Technical data
EPB value consumption fans

Consumption of fans	DC	Nominal discharge flow [m³/h]	Calculated power value [W]
DC-BOX SILENT CONNECT / FOCUS	yes	225	47
DC-BOX SILENT CONNECT / FOCUS	yes	325	67
DC-BOX SILENT CONNECT / FOCUS	yes	400	85

Selection curves
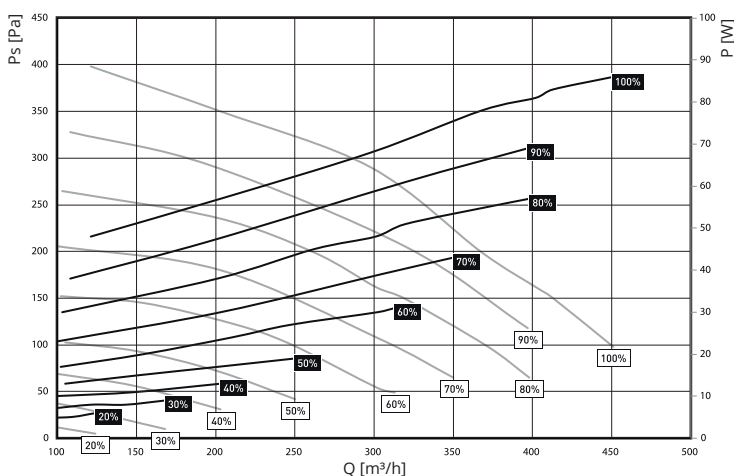
Black = Power
Gray = Pressure/Air flow

CAIROX
WWW.CAIROX.BE
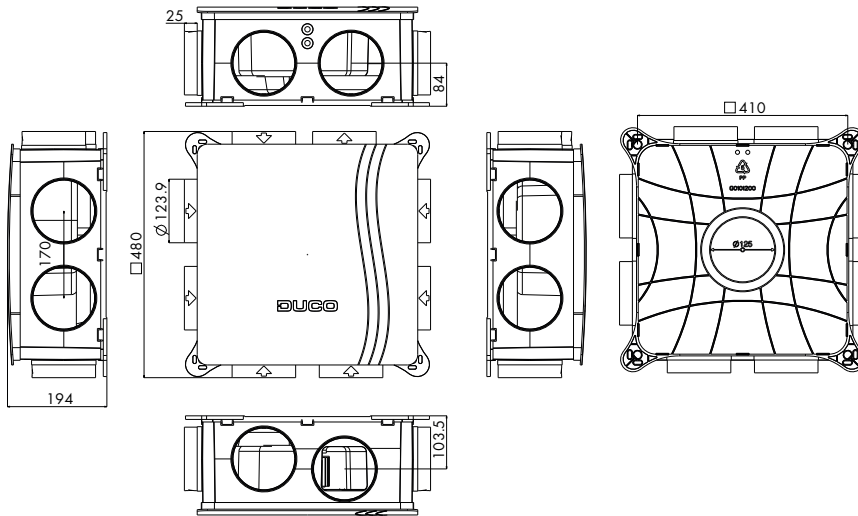
Energy efficiency class

- Class D in a system with at least 1 sensor