

# DucoBox Energy Comfort (Plus)

The **SMARTEST** Mechanical Ventilation with Heat Recovery!



D325

D400

D350/D450/D550



## High flow rates

Up to 550 m<sup>3</sup>/h at 200Pa




## 100% exchangeable

Left  Right



## Auto-calibration

 Save time = Save money

# DUCO

We inspire at [www.duco.eu](http://www.duco.eu)

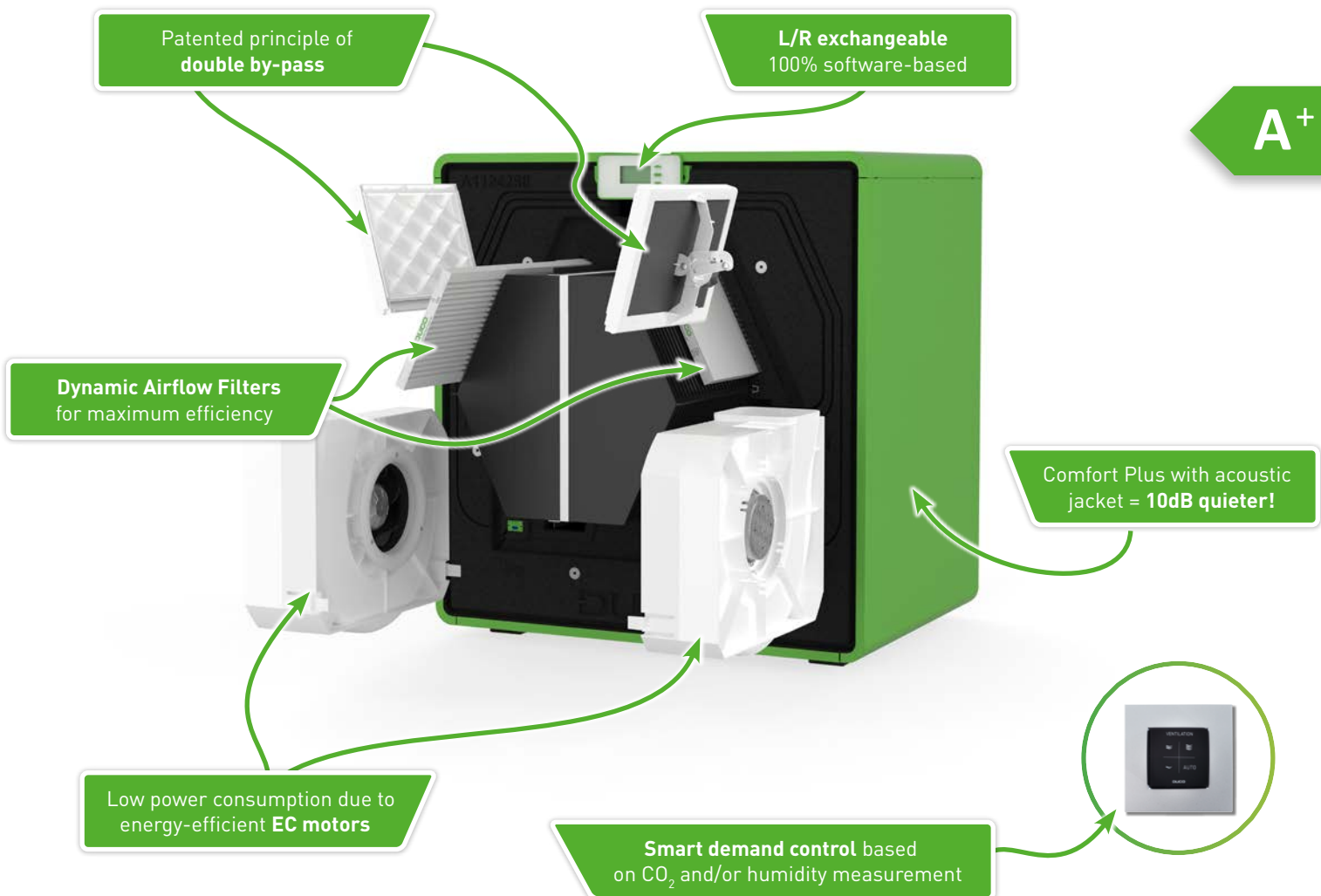
# DucoBox Energy Comfort (Plus)

First choice for any residential construction situation

The **DucoBox Energy Comfort Plus** has been developed for application of balanced ventilation with heat recovery. With its various versions and adjustable capacity of up to 550 m<sup>3</sup>/h, this smart and quiet ventilation box is the solution for any situation in residential construction. The **left/right exchange** is carried out 100% by software thanks to a patented principle of **double by-pass**. Dynamic air distribution filters, together with smart demand control based on CO<sub>2</sub> and humidity, ensure exceptional efficiency.



Smart 2-zone control with external valves



# MAKING LIFE **EASY** FOR INSTALLERS

## Left/right exchangeable

This unit is very user-friendly because **physical interventions are not necessary**.

The left/right exchange is **100% software-based** thanks to the patented principle of the double by-pass.



## AUTO-calibration

Relying on the principles of calibration at constant pressure, this method achieves a **50% saving on calibration time**. This quickly means a **saving of 40€ on the installation cost** for a standard calibration!



SAVE TIME  
SAVE MONEY

## Smart copy function

By integrating a **copy function** into the software, it is possible to take over the settings within similar houses in serial construction.



## Compact external 2-zone

The external 2-zone valve controls based on CO<sub>2</sub> and provides ventilation only where and when necessary. The supply flow rate can be calculated up to **785 m<sup>3</sup>/h** thanks to the 70% rule.



## Duco Installation App

The new Duco Installation App ensures perfect calibration of the ventilation system. Moreover, the app lets you prepare an official ventilation report in no time.



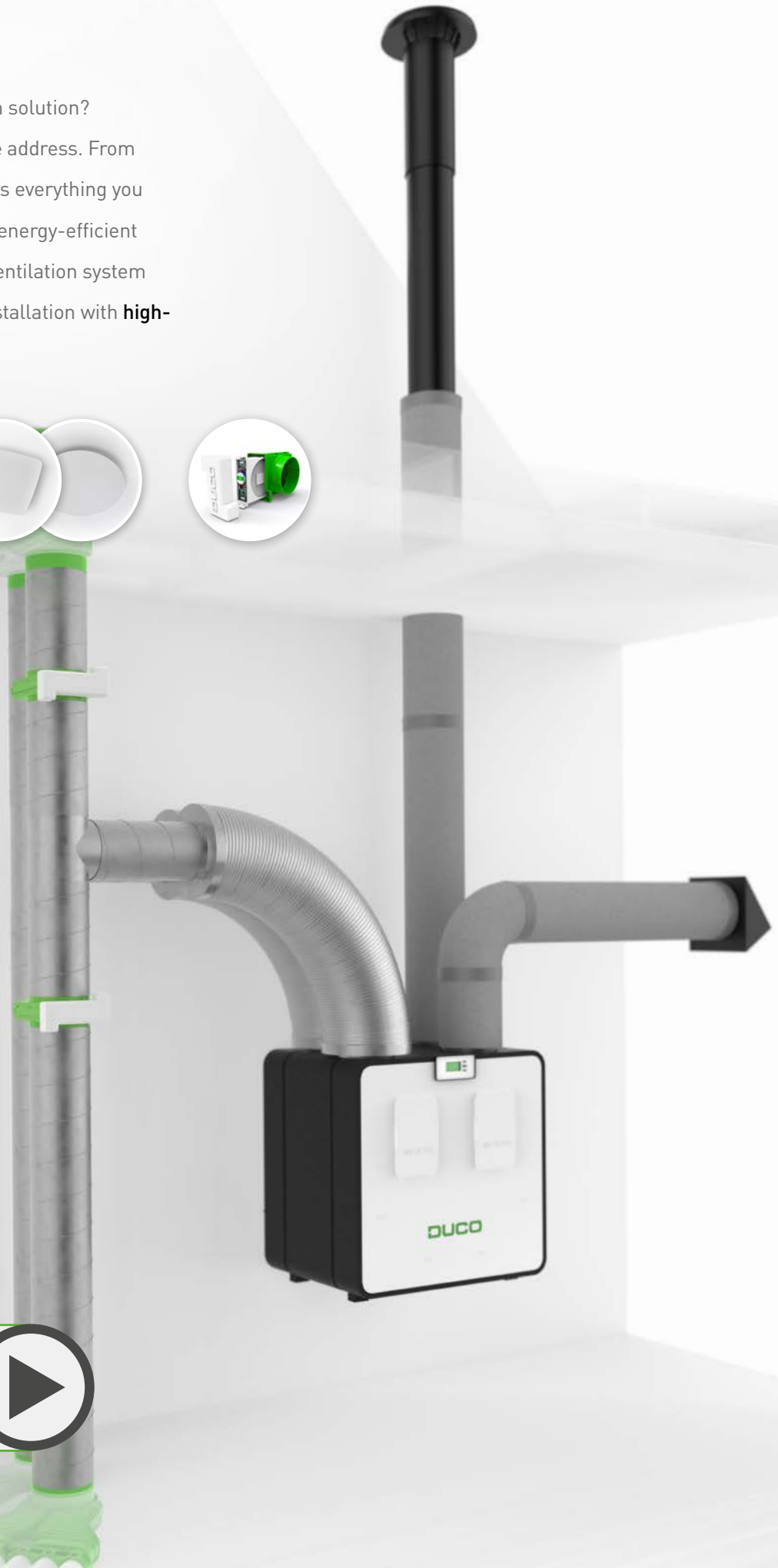
## Acoustic damping

The acoustic jacket ensures quieter operation of the system. The result? Extra attenuation up to 10 dB. Silent and acoustic ventilation guaranteed.



# TOTAL VENTILATION SOLUTION

Are you looking for a total ventilation solution? Then you would rather just go to one address. From ventilation boxes to valves. DUCO has everything you need for a healthy, comfortable and energy-efficient indoor climate. A well-functioning ventilation system preferably consists of a complete installation with **high-quality components**.



SCAN &  
DISCOVER



# DUCOBOX ENERGY COMFORT (PLUS) IN FIGURES

## Physical characteristics


<b>Width x Height x Depth (mm)</b>	Comfort D325: 700 x 705 x 525 mm Comfort D400: 756 x 800 x 584 mm Comfort Plus D350/450/550: 760 x 803 x 584 mm
<b>Casing:</b>	Coated sheet steel + EPP
<b>Colours:</b>	Comfort D325/400: White + black Comfort (Plus) 350/450/550: White + green
<b>Connections:</b>	Inner diameter D325: Ø 160 mm Inner diameter D400/350/450/550: Ø 180 mm
<b>Condensate drain:</b>	Ø 32 mm (1 1/4") (2x)
<b>Heat exchanger:</b>	V1: PP V2: PET/alu
<b>Material inner part:</b>	EPP / PP / ABS
<b>Weight:</b>	D325: 21 kg D400: 31 kg D350/450/550: 47 kg
<b>Power cable length:</b>	2 m (from top of unit)
<b>Mounting:</b>	Wall mounting (standard) Floor mounting as an option using a support frame

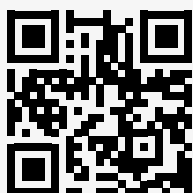
## Electrical characteristics

<b>Electrical power:</b>	D325: 130 W (2 x 65 W) D400: 150 W (2 x 75 W) D350: 120 W (2 x 60 W) D450: 200 W (2 x 100 W) D550: 280 W (2 x 140 W)
<b>Electrical power supply:</b>	230 V, 50 Hz via 3-core power cable with earthed plug
<b>Contacts:</b>	0-10 V in/output
<b>Type of motor:</b>	DC
<b>Efficiency:</b> Ref. Delegated Regulation (EU) n° 1253/2014	D325: 89% D400: 87,9% D350: 88,9% D450: 87,8% D550: 84,7%

## Miscellaneous characteristics

<b>Energy class:</b>	With 2 sensors (control factor 0.65): A+ Other: A
<b>Filters:</b>	Dynamic airflow filter supply air Standard: Coarse 65 % (= G4) Option: ePm1 55% (=F7)  Dynamic airflow filter exhaust air Standard: Coarse 65 % (= G4)
<b>Summer by-pass:</b>	Fully (100% modulating)
<b>Frost protection:</b>	Imbalance
<b>Fans:</b>	EC fan with backward curved blades
<b>Automatic calibration:</b>	Yes (constant pressure)
<b>Constant flow regulation:</b>	Yes
<b>Passive cooling control:</b>	Yes
<b>Cold recovery:</b>	Yes
<b>Operation:</b>	Integrated display Use via remote controls and CO <sub>2</sub> or Humidity Sensors
<b>Sensors:</b>	<b>Integrated:</b> pressure, temperature, onboard switch sensor <b>External:</b> CO <sub>2</sub> (via optional Room sensor), Humidity (via optional Room sensor or measurement in ETA duct), external Switch Sensor (voltage-free input) (optional)
<b>Communication:</b>	<b>Standard:</b> Duco RF, Duco Wired, Switch Sensor <b>Expandable with Duco Connectivity Board:</b> connection possible via REST API (locally or via the cloud) or Modbus TCP

	
<b>D325</b>	0000-4658
<b>D400</b>	0000-4757
<b>D350</b>	0000-4758
<b>D450</b>	0000-4759
<b>D550</b>	0000-4923



## Acoustic values and SAP results

SAP results 2005 and 2012 + Sound data (supply, extract and breakout) available according to standards ISO 5135:2020 for the various models, see technical data sheets on our website:

[en.duco.eu/comfort-plus](https://en.duco.eu/comfort-plus)

# SERVICE PLEASE!

## ADVISORY OFFICE Tailored advice

Thanks to years of know-how in the field of ventilation, DUCO's design department has all the expertise in house to offer the installation best suited to your project. In addition to tailored advice, it is also possible to request a **layout plan for the ventilation ducts** for each project. For this purpose please contact your trusted DUCO distributor or DUCO contact, or submit your project via the website:

[www.duco.eu/yourproject](http://www.duco.eu/yourproject)



## HELPDESK

### Allow yourself to be supported

Your DUCO dealer is available to provide you with **support for all possible practical challenges**. If you need support during design or installation, feel free to consult them: their experts are trained by DUCO.

[info@duco.eu](mailto:info@duco.eu)

## DUCO CATALOGUE Your guide to ventilation systems

Are you looking for a user-friendly tool to guide you quickly and simply through **DUCO's Demand-Controlled Ventilation Systems and associated components**? If so, the DUCO catalogue is the ideal solution. It brings together the latest information accurately in a single document!

[www.duco.eu/catalogue](http://www.duco.eu/catalogue)



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