Indoor air quality

for residential and light commercial applications

A update 2025 NEW

Why Indoor Air Quality?

Indoor Air Quality (IAQ) is a measure of the air quality, as breathed by the occupants. While the average adult breathes over 15,000 litres of air per day, IAQ is often a neglected measure.

Sources of indoor air pollution:

Outdoor sources like pollen, and general air pollution can add to the problem, but some of the culprits such as pollutants from the dust or allergens can be found around the home. Even daily activities such as dust released from the cleaning or odours from cooking can influence the quality of the air we breathe. The finer the particles, the more dangerous they are to our health. Fine Particulate Matter (PM2.5) defined as particles with diameter equal to or less than 2.5 microns are so small that they remain invisible, giving us a false sense of safety. But with the right filtration system you can reduce the impact of these pollutants from the air.

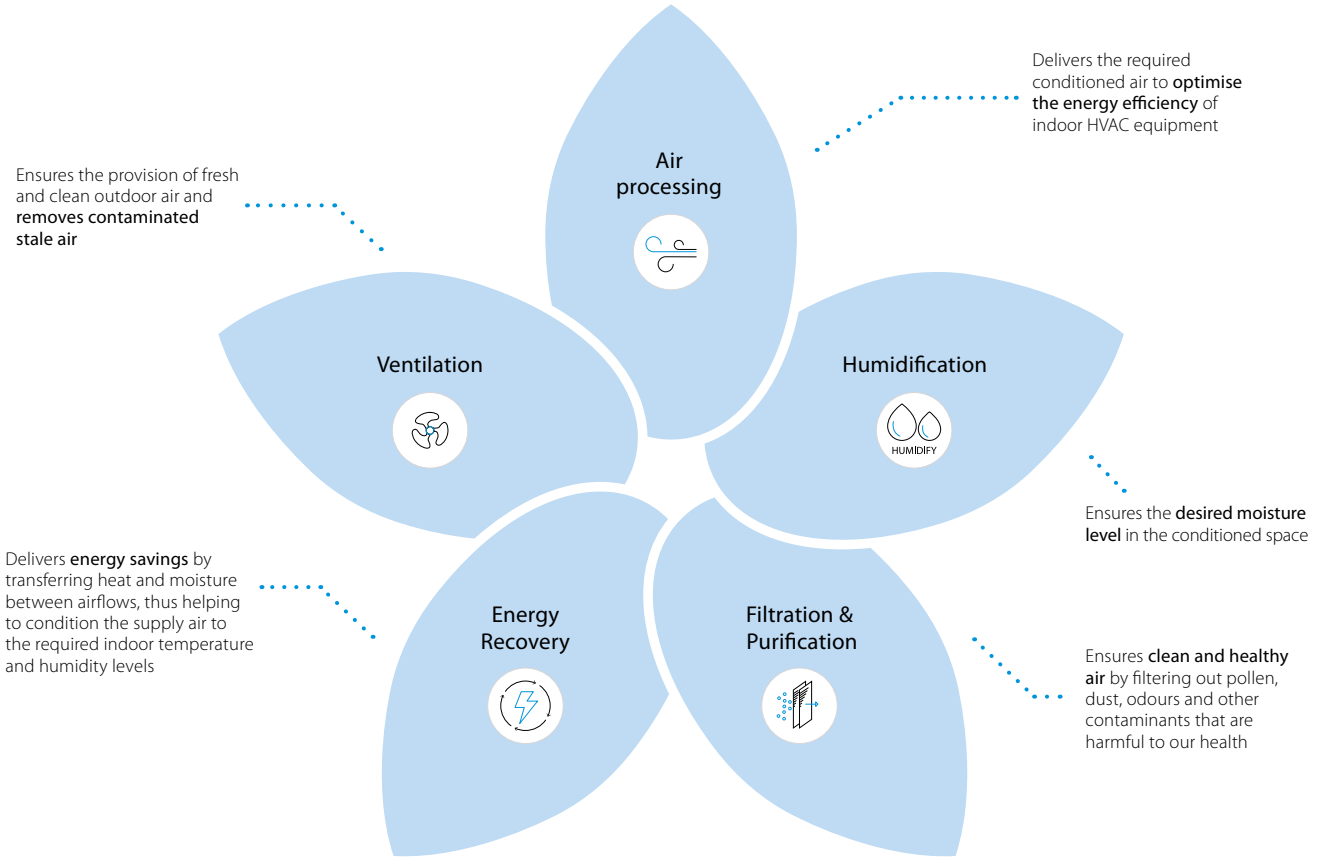
Indoor air pollution is 2-5 times worse than outside air

We spend 90% of our time indoors

The average adult breathes 15,000 litres of air each day

Over 50% have a loved one with a respiratory condition

5 components for ensuring good indoor air quality



Daikin provides a range of **residential ventilation & air purification solutions** to help you in achieving a better indoor living condition for a healthier living.

Ventilation

Filtration & air purification

Indoor air quality

for residential and light commercial applications

MC80Z/ZB

MCK70ZH/BFH

DucoBox Energy Comfort Plus

6 reasons to choose an air purifier

Combat seasonal allergies & reduce airborne illnesses
Air purifiers filter out pollen, dust mites, and other allergens, providing relief from sneezing, itchy eyes, and congestion

Banish bad smells
Remove cooking, smoking and household smells with a deodorising filter. Enjoy a better smelling home, even in open-plan living areas and homes with limited ventilation.

Ideal for young families
Kids and babies can be the most vulnerable. Ensure a healthy environment with air purifiers that remove harmful pollutants, dust, and pet dander. Quiet operation make them perfect for nurseries and children's rooms.

Get rid of the household dust
Dust is a common challenge for every household. This dust can contain particles like pet dander, mould spores, and dust mites. Consider using an air purifier to reduce these airborne irritants in areas where dust tends to accumulate.

Improve the quality of your sleep
Remove airborne irritants, and an air purifier with an add-on feature of humidification gives you the best moisture level while you are sleeping, so you're less susceptible to a dry throat that causes coughing while sleeping

Minimise pet smells and dander
Reduce pet hair, dander, and odours with an air purifier. It will help to keep your home cleaner and alleviate allergic reactions if you're sensitive to pet allergens.

A Daikin air purifier offers many solutions:

HEPA filter

An electrostatic HEPA filter removes 99.97% of fine particles down to a size of 0.3µm

The deodorising filter absorbs and decomposes odour.

STREAMER

Daikin's Streamer technology decomposes, by oxidation, harmful substances caught on the filter

HUMIDIFY

A humidifying filter can add moisture to the air to achieve desired moisture levels.

Breathe better with Daikin air purifiers

Breathe healthy air with **Daikin air purifier**

We offer a wide range of air purifiers with and without humidifiers, in all sorts of different sizes and applications. Whether you need a small air purifier for a single room or a larger one to cover a larger surface area, we have the perfect solution for you.

MC80Z

- Air flow up to **480 m³/h**
- Air purification up to **124 m²**
- **Intelligent** air purification
- Absorbs odour via **deodorising filter**
- High Performing Electrostatic **HEPA filter**

MC55W

- Air flow up to **330 m³/h**
- Air purification up to **82 m²**
- Absorbs odour via **deodorising filter**
- High Performing Electrostatic **HEPA filter**

MC30YV

- Air flow up to **180 m³/h**
- Air purification up to **46 m²**
- Absorbs odour via **deodorising filter**
- High Performing Electrostatic **HEPA filter**

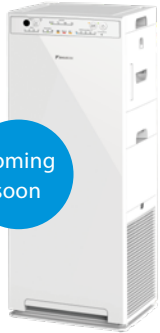
Air purifier **with humidifier**

These units come with humidification function to increase the moisture in the air so that owners will be able to prevent dry air or it can help the ones who easily suffer from soar throat.

MCK70Z

- Air flow up to **420 m³/h**
- Air purification up to **96 m²**
- **650 ml/h** humidifying capacity
- **Intelligent** air purification
- Absorbs odour via **deodorising filter**
- High Performing Electrostatic **HEPA filter**

MCK555A



Coming soon

- Air flow up to **330 m³/h**
- Air purification up to **82 m²**
- **500 ml/h** humidifying capacity
- Absorbs odour via **deodorising filter**
- High Performing Electrostatic **HEPA filter**

Refer to page 23 for detailed test results related to Institut Pasteur de Lille of devices MC30YV, MC55W.

What makes Daikin air purifier unique?

Supreme Technology

Our air purifiers are designed with minimalistic style in mind, so they won't detract from the aesthetics of your home. The sleek, modern design is sure to complement any décor, while the lightweight construction makes them easy to move around.

Featuring clear indication lights that show you the current PM2.5 indication additionally with an easy-to-use control panel with all the settings you need. Our air purifiers are also designed to be quiet, with low noise levels and minimal disruption.

There when you need it
Our air purifiers are designed to keep your air clean and comfortable all year round.

Daikin Streamer Technology
Our Daikin air purifiers are all equipped with our patented Daikin Streamer technology to decompose, by oxidation, harmful substances caught on the filter and ensuring its market leading filter lifetime of ten years.

STREAMER

Peace of mind thanks to filter lifetime

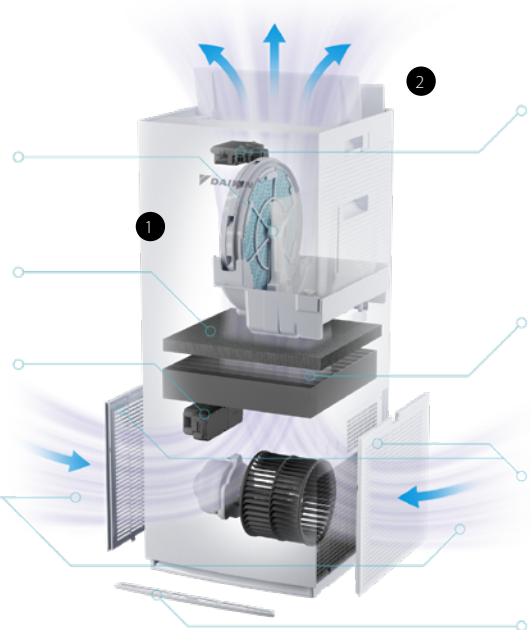
A benefit that makes our Daikin air purifiers unique.

The filters of our air purifiers lasts much longer than market standard, and ensures you of 10 years without replacing the filter.

This saves you costs and ensures you peace of mind for a 10 years* period.

* Verified by test method based on Japan Electrical Manufacturers' Association Standard JEM1467.

What makes our technology unique?



Humidifying filter
Double-layer filter for humidification.

Deodorising filter
Absorbs odour.

Streamer unit

Powerfull suction from different sides

❷ **Active plasma ion generation unit**

Dust collection: Electrostatic HEPA Filter
Catch fine particles of dust.
Removes 99.97% of fine particles of 0.3µm
No need to change for 10 years.*

Pre-filter

Inlet at the bottom of the front panel collects harmful substances from near the floor.

Technology

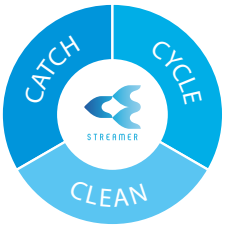
❶ Inside - Streamer decomposes hazardous elements

Streamer, a type of plasma discharge, decomposes hazardous chemical substances. The decomposition power is comparable to thermal energy of about 100,000°C.

❷ Outside - Active plasma ion discharge

Plasma ion technology releases ions into the air by plasma discharge and combines them with components in the air to generate active components such as OH radicals with strong oxidising power.
They attach to the surface of fungi and allergens and decompose proteins in the air by oxidation.

The Streamer Symbol consists of three C's

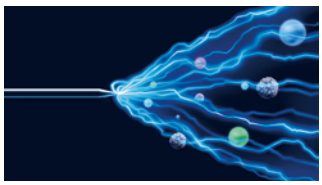


CATCH
The dust collection filter catches the floating substances with the attached harmful gases and Streamer decomposes the gases by oxidation.

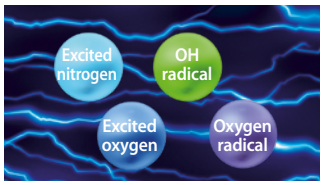
CYCLE
The deodorising filter absorbs and decomposes odour. Thanks to the regeneration of the adsorbing capacity, the deodorising capacity is maintained. No need to change the deodorising filter.

CLEAN
Removes bacteria from dust collection filter, humidifying filter and humidifying water tray.

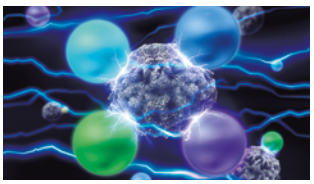
Mechanism of decomposition by Streamer



Streamer emits high-speed electrons.



The electrons collide and combine with nitrogen and oxygen in the air to form four kinds of elements.



These elements provide decomposition power.

*1 This is removal performance of filter and not removal performance for entire room.
*2 Verified by test method based on Japan Electrical Manufacturers' Association Standard JEM1467.

No hassle with periodic filter replacements

No maintenance costs for at least **10 years**

One of the **most silent** Enjoy whisper-quiet operation: only 19dBA.

Filter Lifetime

Our air purifiers feature a complete filtration system, with four stages of filtration to ensure your air is as purified as possible. With our air purifiers, you can enjoy the benefits of cleaner air, with minimal maintenance.

1. Pre filter

Our air purifiers feature an advanced pre-filter that helps to reduce the amount of pollutants that reach the main filter, which helps to extend the life of the air purifier and improve performance.

2. Electrostatic HEPA filter

High Performance Electrostatic HEPA Filter is a high-efficiency particulate air filter system that is designed to catch fine particles of dust.

3. Deodorizing filter

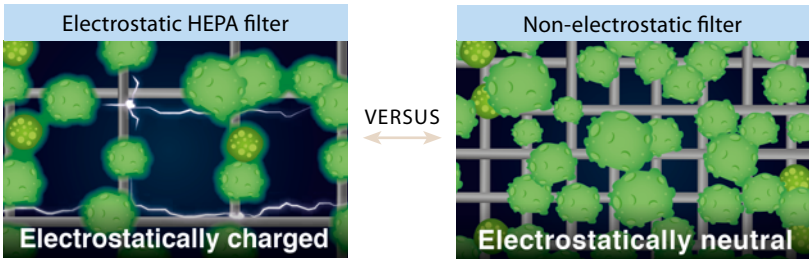
Our air purifiers feature a powerful deodorizing filter that helps to reduce odours from cooking, pets, and other sources in the air.

4. Humidifying filter

Our air purifiers feature a built-in humidifying filter that helps to add moisture to the air.
This filter helps to keep the air from becoming too dry, which can cause issues such as skin or throat irritation from dry air.
Please refer to product pages to check which units offer humidification.

What makes Electrostatic HEPA better than Non-Electrostatic HEPA filter

- Removes 99.97% of fine particles of 0.3µm.
- Filter fiber itself is charged with static electricity, and collects particles efficiently.
- Doesn't clog easily, hence causes low pressure loss.



Because it catches particles relying only on mesh size, it is necessary to make mesh finer, making it easy to be clogged and cause high pressure loss.

*Mechanism of reduction by active plasma ions. (Concentration 25,000 ions/cm³.)
- Daikin's plasma ions have been proved safe, in relation to the effect on skin, eyes and respiratory organs.
- Testing organization: Life Science Laboratories, Ltd.
- Name of test: repeated-dose toxicity test.
- Test number: 12-II A2-0401 Mechanism of reduction by active plasma ions.

About the dust collection and deodorizing capacity of an air purifier:
- Not all harmful substances in cigarette smoke (carbon monoxide, etc.) can be removed.
- Not all odour components that emanate continuously (from building materials and pets, etc.) can be removed.

The Daikin air purifier is not a medical device and is not meant to be used as a substitute to any medical or pharmaceutical treatment.

HEPA filtration effect claims:
- Removes 99% of particles between 0.1µm and 2.5µm in size: test method: Japan Electrical Manufacturers' Association Standard JEM1467. Criterion: Remove 99% of fine particulate matters of 0.1 to 2.5µm in a closed space of 32m³ within 90 minutes. (Converted to a value in a test space of 32m³).

Deodorization/gas removal effect claims:
- Reduction of gases by oxidation: testing organization: Life Science Research Laboratory. Test method: After operating a gasoline engine for 10 minutes (when particulate concentration reached 60mg/m³), operated the air purifier for 80 minutes to absorb polluting particles emitted from the engine. Operated this air purifier for 24 hours in a closed space of 200L and measured the effect to decompose gases. Test result: Compared with a test without Streamer irradiation, gas components were reduced by 63% in 9 hours. Test number: LSRL-83023-702. Test unit: Tested with MCK70N (Japanese model).
- Adsorption and decomposition of odours: placed the air purifier and an odour component, acetaldehyde, in a box of 21 m³ and operated the air purifier. Examined increase of concentration of product (CO_2) generated by decomposition of acetaldehyde by Streamer (evaluation by Daikin). Test unit: Tested with MCK55S (Japanese model), a model equivalent to MCK55W series.
- Formaldehyde decomposition: test method: constant generation method. Test room: 22 to 24 m³, temperature: 23 ± 3°C, humidity: 50 ± 20%. Ventilation condition: When concentration of 0.2 ppm is continually emanated, a removal capacity of 0.08 ppm is maintained at 36 m³/h, which is within the guideline of the Ministry of Health, Labour and Welfare in Japan. (This equates to the ventilation capacity of an approximately 65 m³ room.)

Substance decomposition effect claims:
- Removal of bacteria from dust collection filter: testing organization: Japan Food Research Laboratories. Test number: 15044988001-0201. Test method: Attached a test piece inoculated with bacteria liquid on the upstream side of a dust collection filter installed in an air purifier, and operated it in a test area of 25 m³. Counted the number of live bacteria after five hours. Test result: Reduced by more than 99% in five hours. Test unit: Tested with MCK55S (Japanese model), a model equivalent to MCK55W series (turbo operation).
- Removal of bacteria from humidifying filter: testing organization: Japan Food Research Laboratories. Test number: 15044989001-0101. Test method: Attached a test piece inoculated with bacteria liquid on the upstream side of a humidifying filter installed in an air purifier, and operated it in a test area of 25 m³. Counted the number of live bacteria after five hours. Object part: Humidifying filter. Test result: Reduced by more than 99% in five hours. Test unit: Tested with MCK55S (Japanese model), a model equivalent to MCK55W series (turbo operation).
- Allergen decomposition and removal: various allergens were irradiated by streamer discharge and the breakdown of protein in the allergens was verified using the ELISA method, cataphoresis, or an electron microscope (Joint research with Wakayama Medical University). Test example: 'Japanese cedar pollen Cryj-1'. Test result: 99.6% or more decomposed and removed in 2 hours (ELISA method); 96.9% decomposed and removed in 4 hours (other measurement method). Note: test performed on the flash streamer module.
- Virus removal ref. 1: testing organization: Kitasato Research Center for Environmental Science. Test result certificate 21_0026 (issued by same organization). Result of experiment: 99.9% removal of A-H1N1 virus after 1 hour. Note: test performed on the flash streamer module.
- Virus removal ref. 2: testing organization: Vietnamese Institute of Hygiene and Epidemiology. Result of experiment: over 99.9% removal of A-H5N1 virus in 3 hours. Note: test performed on the flash streamer module.
- Virus removal ref. 3: testing organization: Graduate School of Kobe University. Result of experiment: over 96% removal of Norovirus in 24 hours. Note: test performed on the flash streamer module.

Our Tested Efficiency**

Efficient against allergens as recognized by BAF (British Allergy Foundation)

The Allergy UK Seal of Approval reassures that the product is efficient at reducing small particulates which may include allergens, bacteria and viruses. Applicable for unit MC55W.

Approved allergy-friendly by the European Centre for Allergy Research Foundation

An independent advisory panel of 15 leading international scientists and technicians has developed the criteria ECARF used to evaluate different product groups. They include threshold values and exclusion criteria that make an allergic reaction very unlikely. The criteria are regularly updated to reflect the latest scientific findings.

A product receives the Seal when it can be proved through audits or studies that the criteria have been fulfilled. The Daikin air purifiers passed these tests and can be considered as allergy-friendly. ECARF testing applicable on Daikin air purifier units MC55W and MC30Y. Not applicable on air purifiers with Humidifying function.

Proven effectiveness against respiratory viruses (among others human coronavirus HCoV-229E) evaluated by Institut Pasteur de Lille*

The units have also been evaluated as effective against the H1N1 virus. H1N1 is the virus causing common flu. This means Daikin's air purifiers are an additional measure in the fight against respiratory diseases. Our compact plug-and-play purifiers, whose effectiveness is achieved through a combination of the high performance electrostatic HEPA filter, which traps the virus, followed by an intense exposure to Daikin's patented Flash Streamer technology, which removes the virus, can strongly contribute to reducing the risk of respiratory virus transmission.

** for a complete overview on which units have been tested, please refer to respective product pages.
Please also refer to our online website for up to date information.

More than

99.9%

of **respiratory viruses** removed in **2.5 minutes**.

Daikin's air purifiers eliminate more than 99.98% of the human coronavirus HCoV-229E in 2.5 minutes. This virus is of the same family as SARS-CoV-2, the coronavirus causing the Covid-19 pandemic. The units have also been evaluated as 99.93% effective against the H1N1 virus (which causes common flu) in 2.5 minutes.

The results are applicable for devices MC30Y, MC55W.

Read through the QR code to understand more about the tests done by Institut Pasteur de Lille.

Discover more

Our Partnership with Institut Pasteur de Lille

What is Institut Pasteur de Lille?

- The Institut Pasteur de Lille is a research foundation, which was founded in 1894. Created to respond to the epidemics of the 19th century, the Institut Pasteur de Lille has been fighting diseases for more than 120 years through research on pathogens, the development of vaccines and drugs and the promotion of preventive measures and good hygiene practices. The Institut Pasteur de Lille is a member of the international network of institutes Pasteur. Present in 25 countries on all continents, the Network brings together 32 institutions united by common missions and values for the benefit of populations. The mission is to put science at the service of health. Today, the Pasteur Institute of Lille has 33 research teams, more than 800 persons, working every day to understand and fight against diseases, to slow down their development and to imagine the treatments of tomorrow.

What does this mean for our air purifiers?

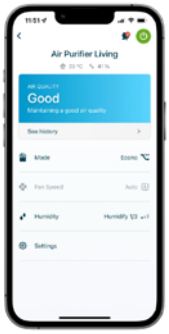
- As a specialist in air quality management, Daikin sees it as its mission to provide innovative solutions and has been selling air purifiers for over 45 years. Its air purifiers and patented air purifying technology, which is applied in other Daikin equipment, have long since proven their effectiveness against air pollution, as well as seasonal pollen and viruses. To reinforce the claim of the effectiveness of its technology, Daikin Europe N.V. entrusted the Institut Pasteur de Lille with the testing of its range of air purifiers. It has now been formally proven that the Daikin models remove more than 99.98% of the human coronavirus HCoV-229E in 2.5 minutes. This is an important achievement.

* Daikin device MC55WVM (commercial names MC55W/VB), tested by Institut Pasteur de Lille, removes 99.98 % of Human Coronavirus HCoV-229E in 2.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 1.4 m^3, no air renewal). Human Coronavirus HCoV-229E is different from the virus responsible for COVID-19, SARS-CoV-2, but belongs to the same family of coronaviruses. | Daikin device MC30Y (commercial names MC30YV/YB), tested by Institut Pasteur de Lille, removes 99.987 % of Human Coronavirus HCoV-229E in 2.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 1.3 m^3, no air renewal). Human Coronavirus HCoV-229E is different from the virus responsible for COVID-19, SARS-CoV-2, but belongs to the same family of coronaviruses. | Daikin device MC30Y (commercial names MC30YV/YB), tested by Institut Pasteur de Lille, removes 99.98 % of Influenza A virus subtype H1N1 in 2.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 1.3 m^3, no air renewal).

Control your air purifiers with Daikin Onecta App

Take control of your indoor air quality

The Onecta App is for those who live their life on the go and who want to manage their Daikin system from their smartphone. The models MC80Z and MCK70Z come with Onecta App integration. For more information please refer to the product pages.



Control

Customise the system to fit your lifestyle and year-round comfort levels.

- ☑ Adapt settings such as operation mode, fan speed, functions
- ☑ Take control of your indoor air quality by taking control of your Air purifier

Monitor

Receive a thorough overview of how the system is performing and how much energy it consumes.

- ☑ Check the status of the Air Purifying system
- ☑ Access the PM2.5 graphs to evaluate your indoor air quality

Available on the App Store GET IT ON Google Play

Schedule

Set up a programme outlining when the system should operate, and create up to six actions per day.

- ☑ Schedule operation mode depending on your personal needs
- ☑ Enable holiday mode to save costs

At Daikin, we are constantly developing collaborations to bring in tools that keep you informed of your outdoor air quality to **'make the invisible visible'** such that you don't let dirt accumulate inside your home and keep the air cleaner with our Daikin solution.

Don't let bad outdoor air quality affect your indoor air quality

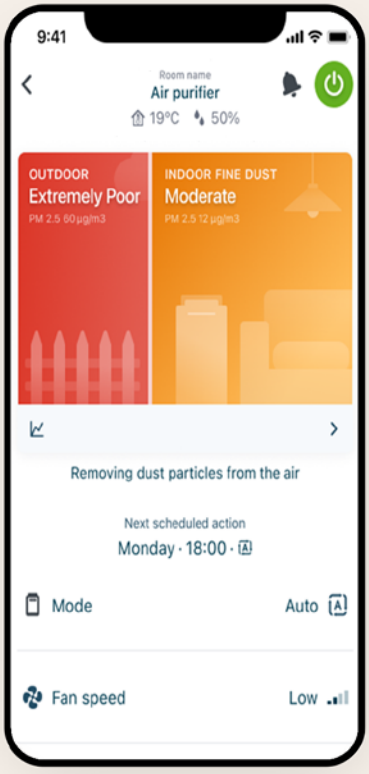
Indoor air can be
2-5 times worse
than outdoor air

Monitor your outdoor air quality

Our work with
Google Maps Platform

While the PM2.5 sensors in our Daikin air purifiers show the indoor air quality, the outdoor air quality information is brought to our users thanks to our collaboration with Google Maps Platform.

By integrating outdoor air quality & pollen data from Google Maps Platform together with Daikin's indoor air quality data obtained from the PM2.5 sensors on the units, the quality of both indoor and outdoor air is simply available through the Daikin Onecta App – ensuring high awareness about the air quality they breathe. As indoor air quality (IAQ) experts ourselves, with over decades of experience in perfecting the air, our mission is to provide both indoor & outdoor air quality data.



Intelligent Air Purification, minimalistic design & Humidification

MCK70Z

- Onecta App Integration: control indoor air quality with an app, via local network or internet
- Humidification and air purification in one; covers large spaces up to 96 m²
- Intuitive display design with coloured Daikin Eye, visual way of informing users about indoor air quality
- Pure air thanks to Daikin's 'Catch and Clean' approach in decomposing harmful substances
- High performance electrostatic HEPA filter with no need to change for 10 years
- Whisper Quiet operation (down to 18 dB(A))

Air flow up to **420 m³/h**

Air purification up to **96 m²**

650 ml/h humidifying capacity

Intelligent air purification

Absorbs odour via **deodorising filter**

High Performing Electrostatic **HEPA filter**

Sensors

Dust (PM2.5/dust) sensor	•
Odour sensor	•
Temperature sensor	•
Humidity sensor	•

Mode

Auto fan mode	•
Anti-pollen mode	•
Turbo mode	•
Quiet mode	•
Econo mode	•
Circulation mode	•
Moist mode	•

Functions

Catch & clean	•
Deodorizing filter	•
Onecta app	•
Child proof lock	•
Brightness adjustment	•
Auto restart after power failure	•

Onecta app

Flash Streamer

MCK70ZBFW MCK70ZBFH MCK70ZW MCK70ZH

Specifications

Indoor Unit					**70ZW/70ZBFW**	**70ZH/70ZBFH**
Applicable room area				m^2	48(1)/96(2)	
CADR				m^2	375	
Weight	Unit			kg	12.5	
Dimensions	Unit	HeightxWidthxDepth		mm	760x315x315	
Colour					White	Gray
Air flow rate		Air purifying operation	Silent/Low/Medium/Turbo	m^3/h	84/132/210/420	
		Humidifying operation	Silent/Low/Medium/Turbo	m^3/h	84/132/210/420	
Sound pressure level	Air purifying operation	Silent/Low/Medium/Turbo		dBA	18/27/37/54	
	Humidifying operation	Silent/Low/Medium/Turbo		dBA	18/27/37/54	
Humidifying operation	Power input	Silent/L/M/Turbo		kW	0.010/0.012/0.023/0.084	
	Humidification	Turbo		ml/h	700	
	Water tank capacity			l	3.4	
Air purifying operation	Power input	Silent/L/M/Turbo		kW	0.010/0.011/0.020/0.082	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220-230	

(1)The coverage area is appropriate for operating the unit of maximum fan speed(HH). Coverage area indicates the space where a certain amount of dust particles can be removed in 30 minutes. | (2)Converted to NRCC standards from test values in accordance with JEM1467. | Converted to CADR standards from test values in accordance with JEM1467. | Humidification amount changes in accordance with indoor and outdoor temperature and humidity. Measurement condition: 20°C in temperature, 30% in humidity. | Operating sound levels are the average of values measured at 1m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter and humidifying filters are attached in the unit. | Requirements according to JEM1467. | "HI" is displayed when the PM2.5 concentration exceeds 99µg/m³.

Intelligent Air Purification & minimalistic design

MC80Z

- Onecta App Integration: control indoor air quality with an app, via local network or internet
- Air purification of large spaces up to 124 m²
- Intuitive display design with coloured Daikin Eye, visual way of informing users about indoor air quality
- Pure air thanks to Daikin's 'Catch and Clean' approach in decomposing harmful substances
- High performance electrostatic HEPA filter with no need to change for 10 years
- Whisper Quiet operation (down to 19 dB(A))

Air flow up to **480 m³/h**

Air purification up to **124 m²**

Intelligent air purification

Absorbs odour via **deodorising filter**

High Performing Electrostatic **HEPA filter**

Sensors

Dust (PM2.5/dust) sensor	•
Odour sensor	•
Temperature sensor	•

Mode

Auto fan mode	•
Anti-pollen mode	•
Turbo mode	•
Quiet mode	•
Econo mode	•
Circulation mode	•

Functions

Catch & clean	•
Deodorizing filter	•
Onecta app	•
Child proof lock	•
Brightness adjustment	•
Auto restart after power failure	•

Onecta app

Flash Streamer

MC80ZB

MC80Z

Specifications

Indoor Unit				**80ZB**	**80Z**
Applicable room area			m²	62(1)/124(2)	
CADR			m²	480	
Weight	Unit		kg	9.8	
Dimensions	Unit	HeightxWidthxDepth	mm	630x315x315	
Colour				Front: White, Top/Side: Dark Grey	
Air flow rate		Air purifying operation Silent/Low/Medium/Turbo	m³/h	84/132/210/480	
Sound pressure level	Air purifying operation	Silent/Low/Medium/Turbo	dBA	19/25/34/55	
Air purifying operation	Power input	Silent/L/M/Turbo	kW	0.010/0.011/0.020/0.082	
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220-230	

(1)The coverage area is appropriate for operating the unit of maximum fan speed(HH). Coverage area indicates the space where a certain amount of dust particles can be removed in 30 minutes. | (2)Converted to NRCC standards from test values in accordance with JEM1467. | Converted to CADR standards from test values in accordance with JEM1467. | Operating sound levels are the average of values measured at 1m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter is attached in the unit. | Other function: Active plasma ion function. Autorestartfunction. | Requirements according to JEM1467. | "HI" is displayed when the PM2.5 concentration exceeds 99µg/m³.

Powerful Air Purification

MC30Y

- Effectiveness against respiratory viruses evaluated by Institut Pasteur de Lille
- Air treatment up to 46m²
- Pure air thanks to Daikin's 'Catch and Clean' approach
- No need to change filter for 10 years thanks to high performance electrostatic HEPA filter
- Whisper quiet operation (19 dB(A))

Air flow up to **180 m³/h**

Air purification up to **45 m²**

Absorbs odour via **deodorising filter**

High Performing Electrostatic **HEPA filter**

Mode

Turbo mode	•
Quiet mode/sleep mode	•

Functions

Catch & clean	•
Deodorizing filter	•
Child proof lock	•
Brightness adjustment	•
Auto restart after power failure	•

Flash Streamer

MC30YV

MC30YB

Specifications

Technical specifications				MC	MC30YV/YB
Applicable room area					23(1)/46(2)
CADR				m³/h	180
Weight	Unit			kg	5.8
Dimensions				mm	565/350/345
Colour					White
Air flow rate		Air purifying operation	Silent/Medium/Turbo	m³/h	60/120/180
Sound pressure level	Air purifying operation	Silent/Medium/Turbo		dBA	19/27/37
Air purifying operation	Power input	Silent/Medium/Turbo		kW	0.008/0.015/0.025
Power supply		Phase/Frequency/Voltage			1~/50/60/220-240/220-30

Standard accessories: Electrostatic HEPA filter; Quantity: 1; Standard accessories: Deodorising filter; Quantity: 1; Standard accessories: Operation manual; Quantity: 1;
(1) The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area indicates the space where a certain amount of dust particles can be removed in 30 minutes. (JEM 1467) | (2) The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area was calculated in accordance with NRCC-54013 standard using cigarette smoke CADR that was tested accoring to JEM1467. | Converted to CADR standards from test values in accordance with JEM1467. | Operating sound levels are the average of values measured at 1m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter is attached in the unit. | Other function: Auto-restart function.

* See notes on p. 25 for detailed claims on Institut Pasteur de Lille test.

Compact, effective, & quiet

MC55W

- Effectiveness against respiratory viruses evaluated by Institut Pasteur de Lille
- Pure air thanks to Daikin's 'Catch and Clean' approach in decomposing harmful substances
- High performance electrostatic HEPA filter with no need to change for 10 years
- Whisper quiet
- Colour LEDs to provide info about indoor air quality

Air flow up to **330 m³/h**

Air purification up to **82 m²**

Absorbs odour via **deodorising filter**

High Performing Electrostatic **HEPA filter**

Sensors

Dust (PM2.5/dust) sensor	•
Odour sensor	•

Mode

Auto fan mode	•
Anti-pollen mode	•
Turbo mode	•
Quiet mode	•
Econo mode	•

Functions

Catch & clean	•
Deodorizing filter	•
Remote Controller	•
Child proof lock	•
Brightness adjustment	•
Auto restart after power failure	•

Flash Streamer

MC55W

MC55VB

Specifications

Single Unit				MC55W / MC55VB
Applicable room area			m²	41(1)/82(2)
Dimensions	Unit	HeightxWidthxDepth	mm	500x270x270
Weight	Unit		kg	6.8
Colour				White
Air flow rate		Air purifying operation	Silent/Low/Medium/Turbo m³/h	66/120/192/330
Sound pressure level	Air purifying operation		Silent/Low/Medium/Turbo dBA	19/29/39/53
Air purifying operation	Power input		Silent/Low/Medium/Turbo kW	0.008/0.010/0.015/0.037
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220-230
Power plug				W: C type/VB: G type (UK)

The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area indicates the space where a certain amount of dust particles can be removed in 30 minutes. ((1) in accordance with JEM (2) in accordance with CADR (JEM) & NRCC-54013-2011 standard) | Operating sound levels are the average of values measured at 1 m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter is attached in the unit. | Other function: Active plasmation function. Auto-restart function. About the dust collection and deodorizing capacity of an air purifier:

- Not all harmful substances in cigarette smoke (carbon monoxide, etc.) can be removed.
- Not all odour components that emanate continuously (from building materials and pets, etc.) can be removed.

The Daikin air purifier is not a medical device and is not meant to be used as a substitute to any medical or pharmaceutical treatment.

* See notes on p. 25 for detailed claims on Institut Pasteur de Lille test.

Humidification & Air Purification in one

MCK555A

- Humidification and purification in one
- Pure air thanks to Daikin's 'Catch and Clean' approach in decomposing harmful substances
- High performance electrostatic HEPA filter with no need to change for 10 years
- Whisper quiet
- Colour LEDs to provide info about indoor air quality

Air flow up to **330 m³/h**

Air purification up to **82 m²**

500 ml/h humidifying capacity

Absorbs odour via **deodorising filter**

High Performing Electrostatic **HEPA filter**

Sensors

Dust (PM2.5/dust) sensor	•
Odour sensor	•
Humidity sensor	•

Mode

Auto fan mode	•
Anti-pollen mode	•
Turbo mode	•
Quiet mode	•
Econo mode	•
Moist mode	•

Functions

Catch & clean	•
Deodorizing filter	•
Remote Controller	•
Child proof lock	•
Brightness adjustment	•
Auto restart after power failure	•

Preliminary data. Coming soon

HUMIDIFY Humidification

STREAMER Flash Streamer

Specifications

Single Unit					**MCK555A**
Applicable room area				m^2	41(1)/82(2)
Dimensions	Unit	HeightxWidthxDepth		mm	700x270x270
Weight	Unit			kg	9.5
Colour					White
Air flow rate		Air purifying operation	Quiet/Low/Standard/Turbo	m^3/h	54/120/192/330
		Humidifying operation	Quiet/Low/Standard/Turbo	m^3/h	54/144/192/330
Sound pressure level	Air purifying operation	Quiet/Low/Standard/Turbo		dBA	20.0/33.0/39.0/53.0
	Humidifying operation	Quiet/Low/Standard/Turbo		dBA	20.0/33.0/39.0/53.0
Humidifying operation	Power input	Quiet/Low/Standard/Turbo		kW	0.009/0014/0.019/0.058
	Humidification	Quiet/Low/Standard/Turbo		ml/h	130/240/300/500
	Water tank capacity			l	2.7
Air purifying operation	Power input	Quiet/Low/Standard/Turbo		kW	0.007/0.010/0.017/0.056
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220-230

The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area indicates the space where a certain amount of dust particles can be removed in 30 minutes. ((1) in accordance with JEM (2) in accordance with CADR (JEM) & NRCC-54013-2011 standard) | Humidification amount changes in accordance with indoor and outdoor temperature and humidity. Measurement condition: 20°C in temperature, 30% in humidity. | Operating sound levels are the average of values measured at 1m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter and humidifying filters are attached in the unit.

*Note: blue cells contain preliminary data

RICH ASIANS
KEVIN KWAN
STEPHEN FRY

Residential ventilation

Centralized Heat Recovery Ventilation (CHRV)

The growing need for home ventilation systems

Air quality is crucial for our health and well-being. Indoor air pollution can be even more damaging than the pollution in the air outside, given that people in Europe spend up to 90% of their time indoors. This has a real effect on our health, especially given that indoor air quality can be five times more polluted than outdoor air.

Moreover, in order to make houses, apartments and other dwellings more energy efficient and eco-conscious, they are being built as air-tight as possible – limiting the amount of natural ventilation. As the number of well insulated homes continues to grow, the need for effective residential ventilation becomes more prominent.

4 Reasons to choose a ventilation system for your home:

1. Moisture and condensation
Condensation occurs when humid air is cooled quickly. Moisture forms on windows, walls and other surfaces, resulting in mildew, dampness or even mould. It happens during everyday activities such as showering or cooking when rooms aren't well-ventilated. It's one of the most common problems with indoor air quality. A ventilation system offers a solution. It helps regulate temperature and controls moisture levels.

2. Asthma and respiratory problems
People with asthma, bronchitis and other respiratory problems have more sensitive lungs. Polluted air can trigger these conditions. Dust and mites can cause flare-ups, as can mould. These problems can occur if the air inside our homes is too damp or humid.

3. Reactions to pollution
Poor ventilation causes a build-up of pollutants in indoor air. It can also lead to an accumulation of dirt and dust mites, which may result in unpleasant skin reactions or respiratory issues. Furthermore, inadequate ventilation and accumulation of stale air and CO_2 can contribute to fatigue and headaches.

4. VOC and other chemical dangers
Every day, we use potentially hazardous chemicals in our homes. Volatile organic compounds (VOCs) are emissions from household chemicals that can be toxic at high concentrations. Proper storage of these chemicals is essential, and it is important to ensure that the room where they are stored is well-ventilated. Additionally, carbon monoxide is present in many buildings that use coal or gas-burning appliances. A build-up of this gas can lead to poisoning, but adequate ventilation helps minimise the risk.

Our homes are like lungs. They need consistent circulation of fresh, clean air. That helps protect both the property and the health of the people living there. Discover how a heat recovery ventilation unit can make the air inside your home as clean and healthy as it can be, giving you lasting peace of mind.

What is centralised heat recovery ventilation?

Centralised heat recovery ventilation (CHRV) combines the best of both worlds by keeping air fresh and warm at a low cost. To do this, CHRV systems pump out stale air and renew the indoor atmosphere with clean, fresh air.

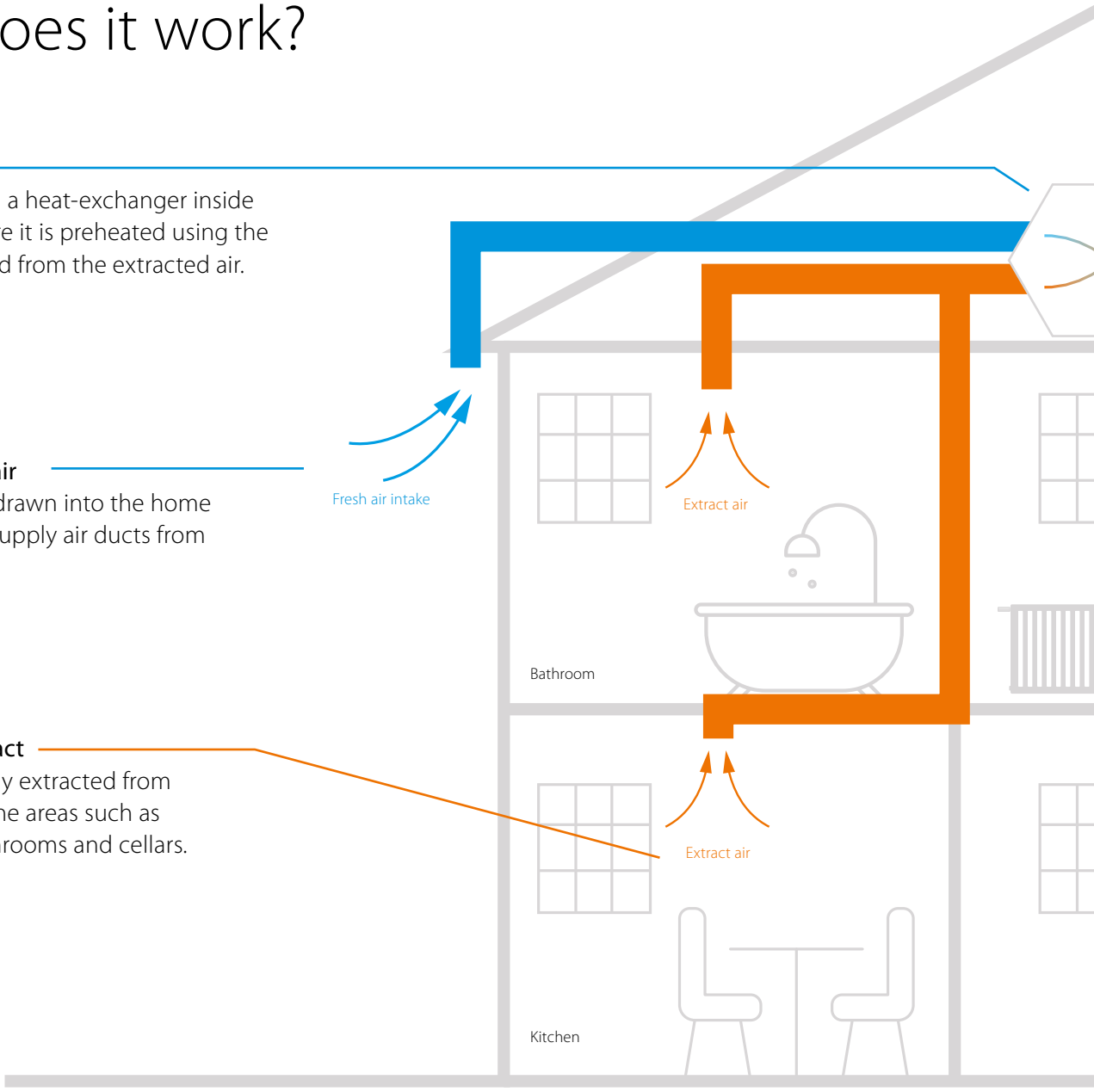
However, before it is completely exhausted from the building, a heat exchanger within these two airflows transfer the warmth leaving the property to the fresh air coming in. By doing this heat transfer, centralised heat recovery ventilation systems can help keep homes at a consistent temperature efficiently and cost-effectively.

How does it work?

1. **Fresh air** flows through a heat-exchanger inside the unit, where it is preheated using the heat recovered from the extracted air.

2. **Fresh, clean air** is constantly drawn into the home through the supply air ducts from the outside.

3. **Stale air extract** is continuously extracted from moisture-prone areas such as kitchens, bathrooms and cellars.



The benefits of ventilation

Proper ventilation is essential for maintaining a healthy, comfortable, and energy-efficient indoor environment in a house.

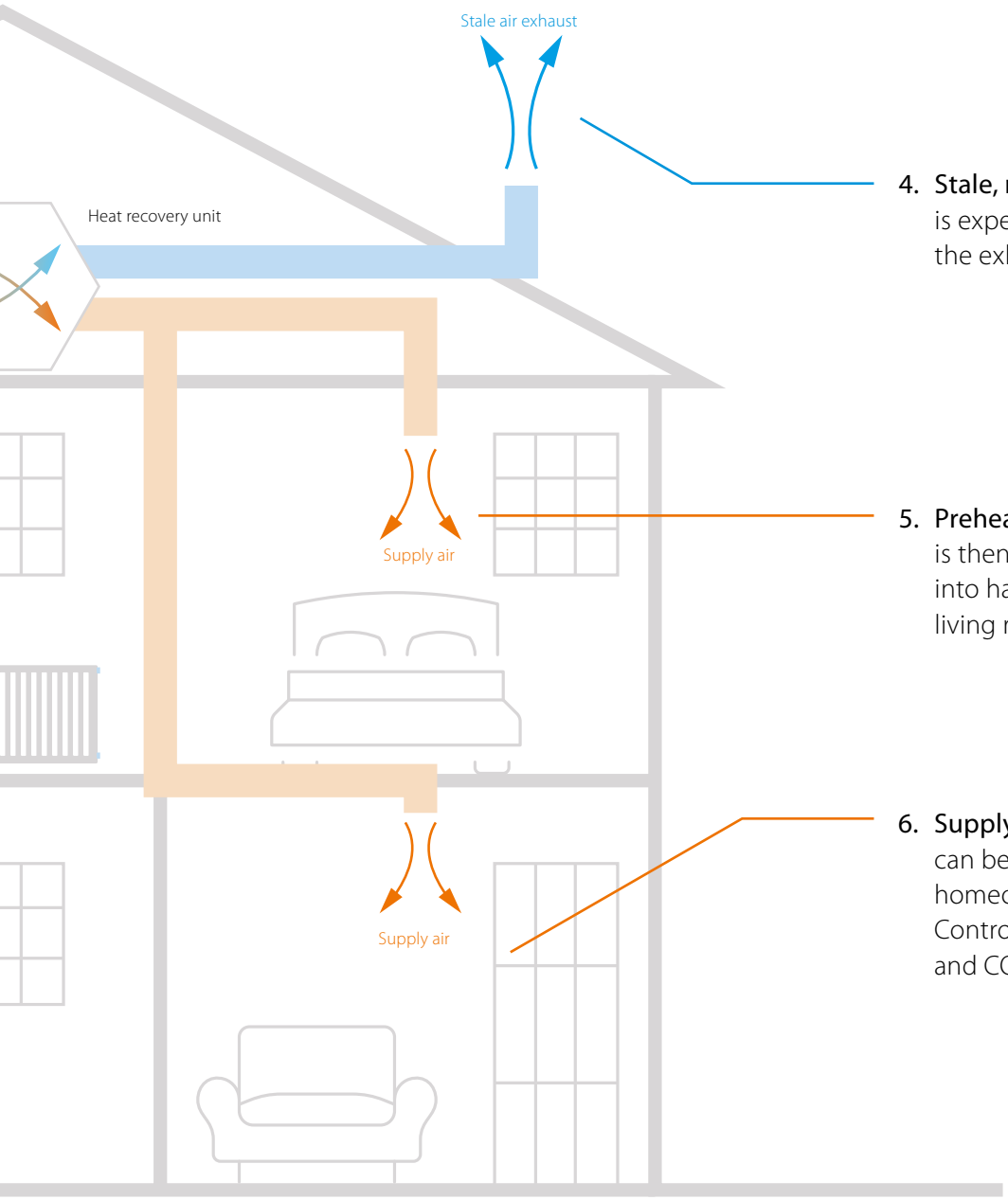
Improved indoor air quality
Ventilation helps to circulate fresh air into the house, which reduces indoor air pollution and the buildup of harmful pollutants, resulting in a healthier living environment and reducing the risk of health problems resulting from poor indoor air quality such as allergies, and other respiratory issues.

Longevity of building materials
Good ventilation helps to prevent damage to building materials due to moisture buildup, which can extend the life of a house and reduce repair and maintenance costs.

Reduce excess moisture
Proper ventilation can help to reduce excess moisture in the house, which can prevent mould growth, dampness, and other associated health problems.

Reduced energy bills
Recovering heat from the outgoing stale air results in avoiding large heat losses in buildings, therefore contributing to the overall energy performance of a building and allowing households to save up to 30%* of their heating costs.

*As calculated by European Ventilation Industry Association



4. **Stale, moisture-laden air** is expelled from the home through the exhaust vent/ grille.

5. **Preheated air** is then continuously distributed into habitable rooms such as living rooms and bedrooms.

6. **Supply air** can be boosted at any time by the homeowner using control options. Controls options for humidity and CO_2 can also be used.

Why DUCO?

DUCO offers end-to-end solutions

One-stop-shop for your end-to-end ventilation solution
Complete range of Centralised Heat Recovery Ventilation (CHRV) units, ducts & accessories.

Smart demand control
The room is only ventilated when necessary and in the correct amount. CO_2 concentration and relative humidity are used as indicators. This helps avoiding unnecessary heat loss while guaranteeing an optimal indoor climate.

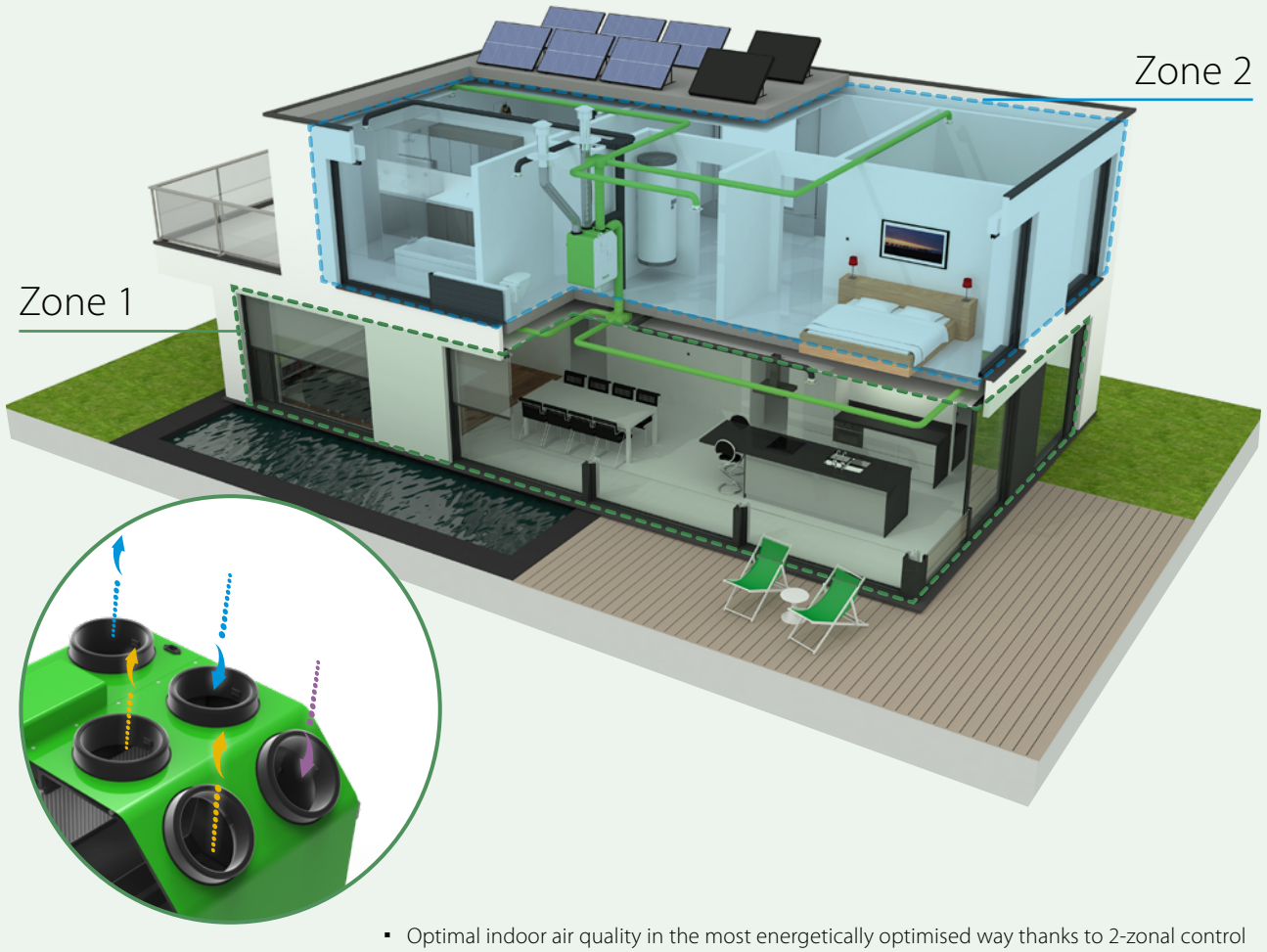
Low noise guaranteed
A comfortable indoor climate is created by whisper-quiet ventilation systems. DUCO excels in acoustics both in its supply and exhaust channels.

Intuitive quotation process
Upon request, Daikin can provide an easy-to-use tool to calculate the units and accessories needed for your specific projects.
A complete calculation request can also be carried out on Daikin Heating Solutions Navigator Platform.

Automatic calibration
The automatic calibration, whereby the measuring and adjustment technology is based on the principles of calibration under constant pressure, always offers a 100% guarantee of a qualitative end result and translates into a 50% saving in set-up time for the installer.

Connectivity
With the optional Communication Print you have the option of allowing the DUCO ventilation systems to communicate via Modbus and/or Ethernet. Modbus integration enables them to be linked to a building management system.

High energy conversion efficiency
The combination of dynamic air distribution filters and high performance heat exchangers result in very high efficiency ratio.



- Optimal indoor air quality in the most energetically optimised way thanks to 2-zonal control
- Low noise guaranteed by our ventilation system
- Automatic calibration

Only at Daikin

Thanks to DUCO, Daikin offers Centralised Heat Recovery Ventilation (CHRV) systems with an integrated 2-zone valve. With the 2-zone version of the DucoBox Energy Premium, the product range is extended with a unique ventilation system with embedded 2-zone control. If a certain zone does not require ventilation, that zone is not ventilated. Cost savings on heating, lower consumption and noise comfort of the unit itself (lower rpm) are the logical consequences.

Sensors meticulously detect the residents' movements throughout the home. This makes it possible to automatically determine where, when and in what amount ventilation is required.

By controlling the two zones separately with a built-in valve, the consumption of the EC fans is reduced considerably, which translates into an A+ energy label.

CHRV

A complete portfolio for complete ventilation solutions

Fresh air, whenever you need!

Europe's **quietest and smartest** CHRV!

DucoBox Energy Comfort & Comfort Plus

A solution for every situation
Flow rate up to 550m³/h (at 200 Pa)

Left/right exchangeable
Exchange between left and right variant is carried out 100% by software (by display)

Automatic calibration
Calibration at constant pressure saves up to 50% on the configuration time

DucoBox Energy Premium

Smart 2-zone control
Saving up to 40% energy through smart zone control

Quietest CHRV on the market
Enjoy a good night's sleep!

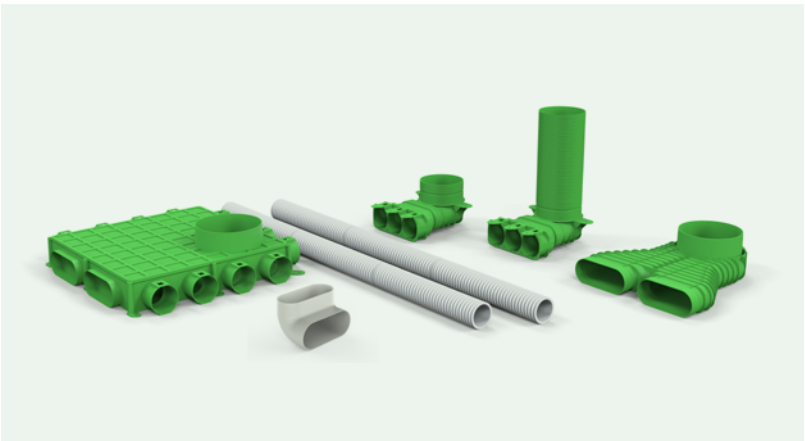
Automatic calibration
Calibration at constant pressure saves up to 50% on the configuration time

DucoBox Energy Sky

Easy installation
Very lightweight (19 kg) and compact (295 mm height)

Flexible solution:
Requires a limited space to be installed and can be either wall mounted, or ceiling mounted

All the advantages of the other DUCO CHRV systems are adopted, including the possibility of 2-zone control, automatic calibration, copy function, head-up display



DucoFlex

Thanks to DUCO, with DucoFlex, Daikin offers a complete air ducting **system**. If you use this **installation-friendly** air-duct system you will enjoy the **energy-efficient and quiet operation** of the ventilation system.

On-demand ventilation

Historically, CHRV-units were running **continuously**: 24 hours a day, 7 days a week. This was deemed to be "ok" as there was "heat recovery" anyway, and so the energy losses were deemed to be small.

DUCO feels that this **"old school"-way-of-thinking** is a thing of the past and decided to go a step beyond the "normal" operation-mode of a "traditional" CHRV-system.

So next to offering user control options on the display or via a remote control; next to offering the possibility to make the unit function on a time-schedule, DUCO also offers true "on demand" solutions which result in true energetically optimised ventilation-solutions: **only ventilate when necessary, where it is necessary and for as long as it's necessary.**

Local detection
Sensors in the room

CO_2 or humidity

Presence detection

Central detection
Sensors in the ventilation unit

CO_2 / humidity / presence detection

How does it work?

Sensors permanently measure the indoor air quality in a room (or centrally, depending on the need): if the indoor air quality (CO_2 or humidity) is found to be OK, **the ventilation is put to a strict minimum** (minimum energy consumption and minimum heat losses).

On the other hand, if the indoor air quality is found to be or become worry-some, the ventilation is triggered immediately in a modular way, i.e. more or less intense according to **intelligent algorithms** (energy is only used when needed to reach healthy indoor air).

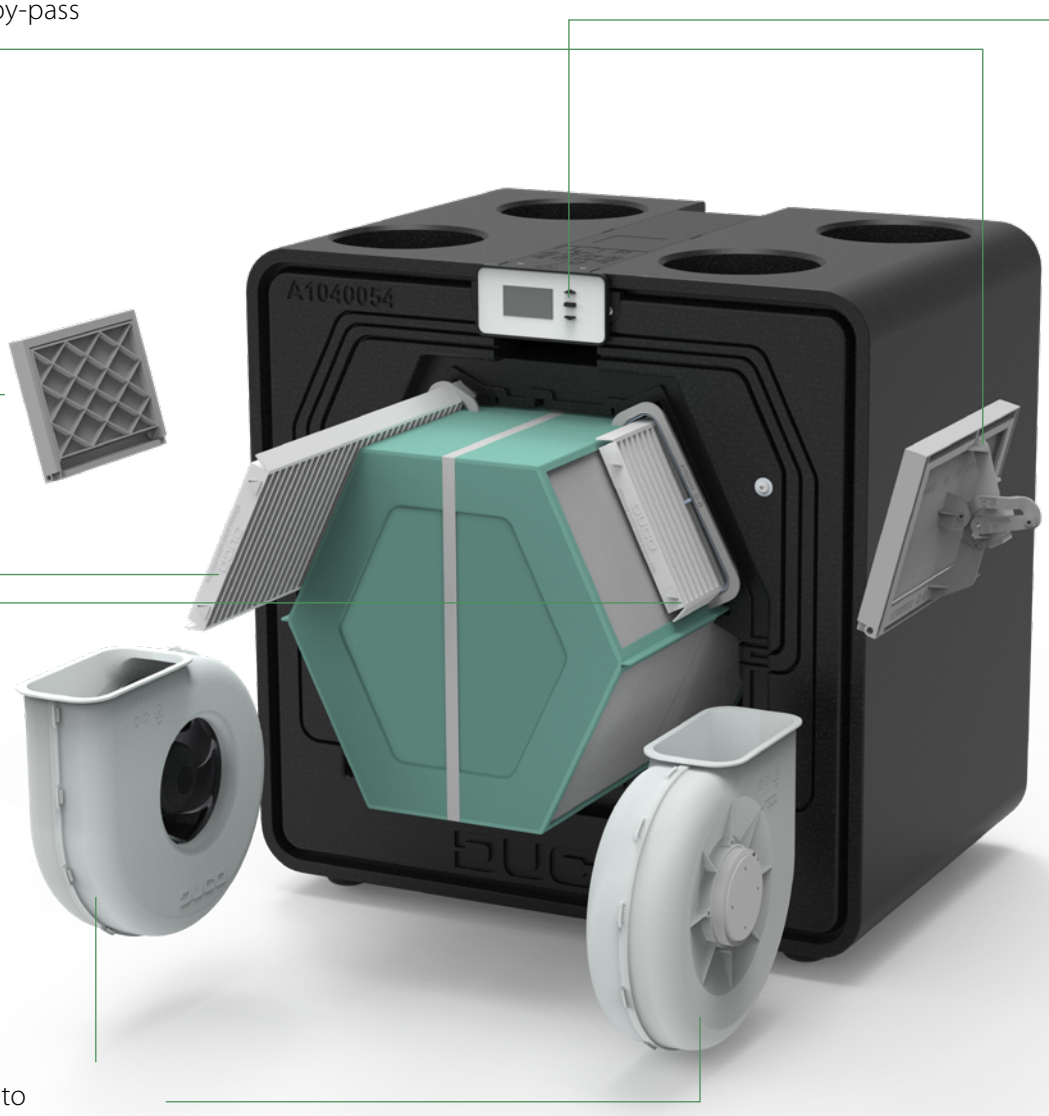
With an **"on demand"** DUCO-system, the occupant can always be assured to breathe the best possible indoor air, whilst also using the least amount of energy! DUCO brings you the **smartest** ventilation solutions!

DucoBox
Energy Comfort

Making life easy for installers

This smart and silent ventilation unit is the ideal solution for apartments and houses due to its compact size. With the addition of DucoBox Energy Comfort D400 to our portfolio, this range now offers adjustable capacity of up to 325 m^3/h and 400 m^3/h.

Patented principle of double by-pass



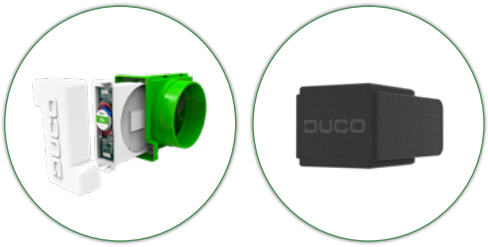
Dynamic Airflow Filters
For maximum efficiency

Low power consumption due to energy-efficient EC motors

Ventilation unit

Type of DucoBox	Max air flow at 150 Pa	Plug	Article reference
DucoBox Energy Comfort D325	325 m³/h	F	00004649
DucoBox Energy Comfort D325 FR (NF Unit: France only)	325 m³/h	F	00004657
DucoBox Energy Comfort 325	325 m³/h	F	00004485
DucoBox Energy Comfort D400	400 m³/h	F	00004707
DucoBox Energy Comfort D325 UK	325 m³/h	G	00004658
DucoBox Energy Comfort 325 UK	325 m³/h	G	00004591
DucoBox Energy Comfort D400 UK	400 m³/h	G	00004757

Optional pre-heater and optional multi-zoning valve



L/R switch - 100% software-based

This unit is very user-friendly because physical interventions are not necessary. The left/right switch is carried out 100% by software thanks to a patented principle of double by-pass.

Compact & light unit:

This lightweight unit starting from 21kg can easily be installed by 1 person. With its compact dimensions, the DucoBox Energy Comfort 325/D325 is ideal for a small technical space!

Smart copy function

Thanks to a "copy" function which is integrated on software level, the installer has the possibility to copy the settings and parametrisation of one DucoBox Energy Comfort onto the next DucoBox Energy Comfort. This is particularly useful in a serial construction with the same types of houses.

Automatic calibration

Relying on the principles of calibration at constant pressure, this method achieves a 50% saving on calibration time. DUCO saves you time and money.

Smart demand control based on CO_2 and/or humidity measurement

Available in white/black colours to fit into any house interiors.

DucoBox Energy Comfort 325 - D325 - D400

DucoBox Energy Comfort

DucoBox Energy Comfort UK

DucoBox Energy Comfort FR

With 2 or more sensors

With 1 sensor/ manual/ clock

Physical Properties			**325/D325**	**D400**
Width x Height x Depth		mm	700 x 705 x 525	756 x 800 x 584
Casing			Coated sheet steel + EPP	
Colours			White + Black	
Connections			Inner Diameter: Ø 160 mm	Inner Diameter: Ø 180 mm
Condensate drain			Ø 32 mm (1 ¼") (2x)	
Heat exchanger			PET/ Polystryene	v1: PP - v2: PET/Alu
Material of inside section			EPP / PP / ABS	
Weight			21 kg	31 kg
Power cable length			2 m (from top of unit)	
Mounting			Wall mounting (standard) Floor mounting as an option using support frame	

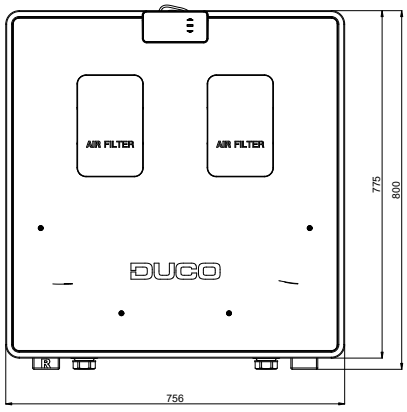
Miscellaneous Properties			**325/D325**	**D400**
Energy class			With two sensors: A+ Other: A	
Specific energy consumption (SEC)	Cold	kWh/(m².a)	-83.6 (1)	-76.9 (1)
	Average		-43.9 (1)	-39.1 (1)
	Warm		-18.5 (1)	-14.8 (1)
Maximum flow rate at 100 Pa ESP		m³/h	325	400
Sound power level LWA		dBA	55	
Filters			Dynamic airflow filter supply air (460 x 185 x 15 mm) Standard: ISO 16890 Coarse 65 % (= G4) Optional: ISO 16890 ePM1 55% (= F7) Dynamic airflow filter exhaust air (460 x 185 x 15 mm) Standard: ISO 16890 Coarse 65 % (= G4)	Dynamic airflow filter supply air (520 x 190 x 15 mm) Standard: ISO 16890 Coarse 65 % (= G4) Optional: ISO 16890 ePM1 55% (= F7) Dynamic airflow filter exhaust air (520 x 190 x 15 mm) Standard: ISO 16890 Coarse 65 % (= G4)
Summer by-pass			Fully (100% modulating)	
Frost protection			Imbalance or optional external heater	
Fans			EC fan with backward curved blades	
Automatic Calibration			Yes (constant pressure)	
Constant flow regulation			Yes	
Passive cooling			Automatic passive cooling control	
Operation			Integrated display Use via User controllers and CO_2 or Humidity Sensors	
Sensors			Integrated: pressure, temperature, onboard switch sensor External: CO_2 (via optional Sensor), Humidity (via optional Sensor or measurement in ETA line), external Switch Sensor (voltage-free input) (optional)	
Communication			Standard: Duco RF, Duco Wired, Switch Sensor Expandable with Communication Print: Modbus, PWM-IN, PWM-OUT, Switch Sensor (3x), Ethernet, Micro SD-card slot	

Electrical Characteristics	**325/D325**	**D400**
Maximum electrical power	118 W (2 x 59 W)	145 W (2 x 72.5 W)
Power Supply	230 V, 50 Hz Via 3-core power cable with earthed plug	
Contacts	0-10 V in/output	
Type of motor	DC	
Energy conversion efficiency	At 325 m³/h: 85% At 279 m³/h: 86% At 277 m³/h: 88%	At 400 m³/h: 83% At 351 m³/h: 84% At 307 m³/h: 85%

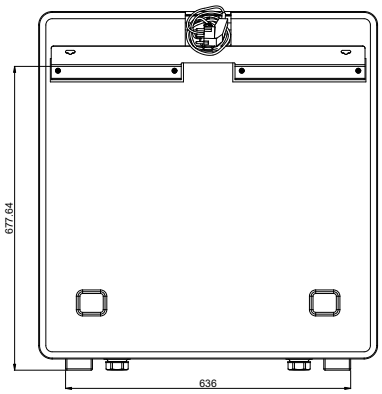
(1) Manual control (no DCV)

Dimensions DucoBox Energy Comfort D400

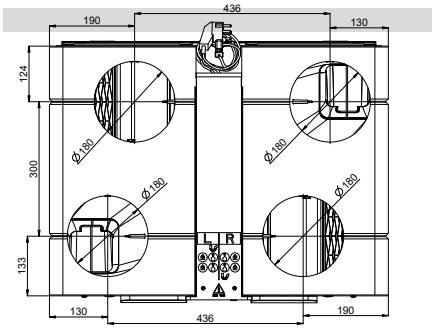
Front view



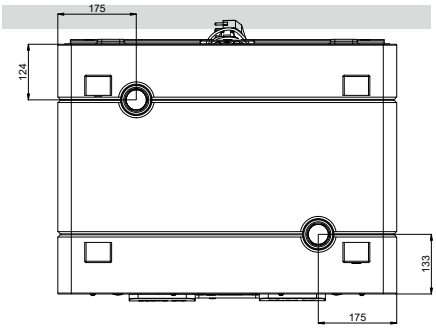
Rear view



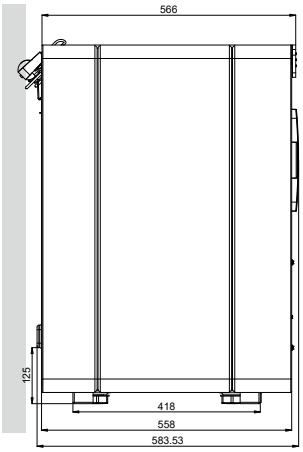
Top view



Bottom view

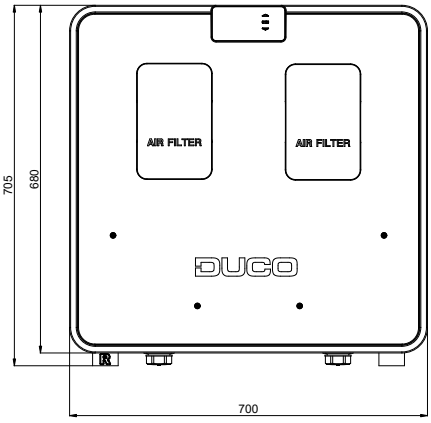


Side view

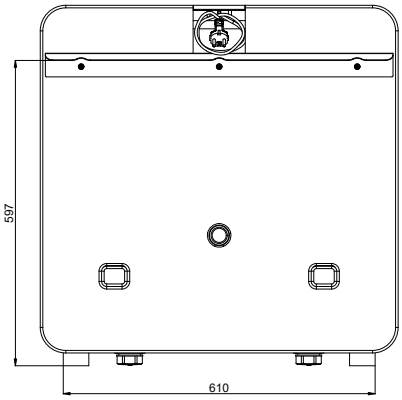


Dimensions DucoBox Energy Comfort 325/D325

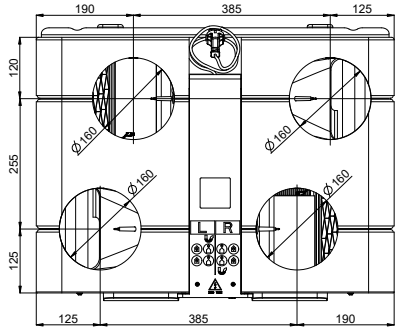
Front view



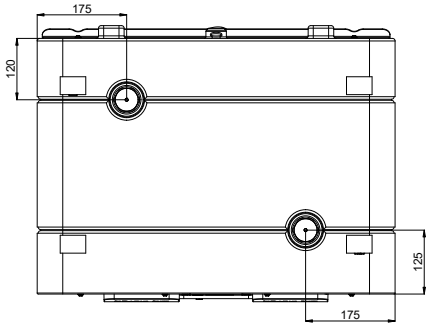
Rear view



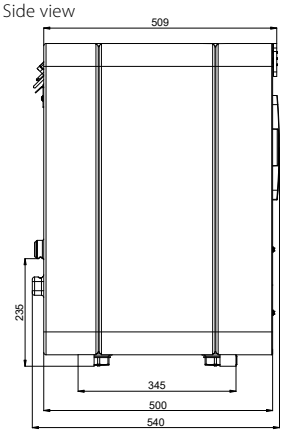
Top view



Bottom view



Side view



DucoBox Energy Comfort Plus (D350/D450/D550)

First choice for building projects

This smart and even more silent ventilation unit with metallic casing can be chosen with a capacity of up to 550 m^3/h.

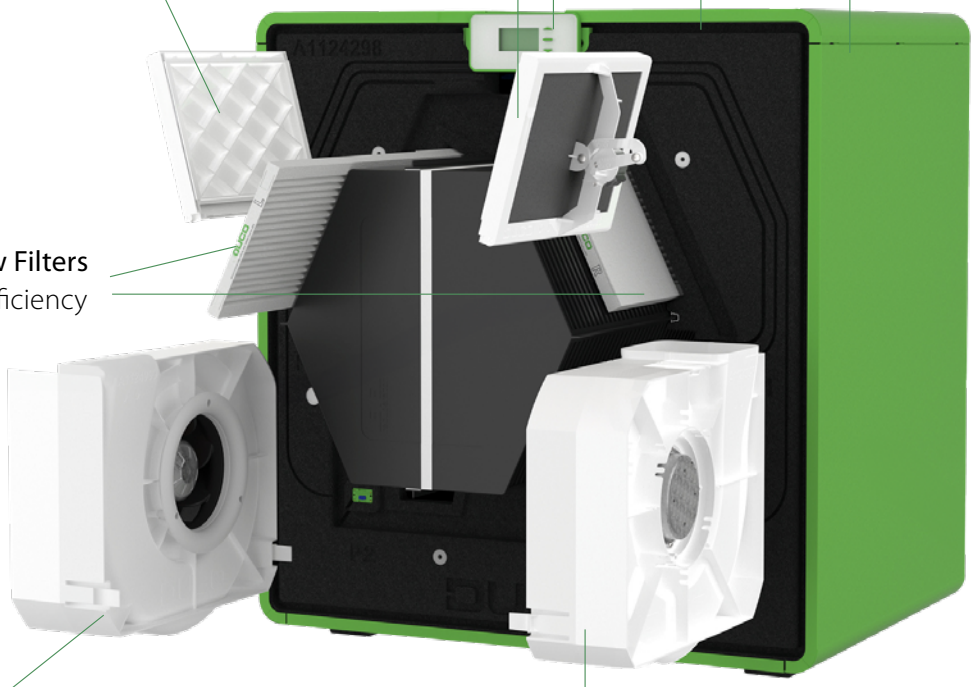
Unique for this range: **3 models for 3 different airflows**

L/R interchangeable
100% software-based

Patented principle
of double by-pass

Smart 2-zone control
with external valves

Comfort Plus with acoustic casing =
10dB quieter!



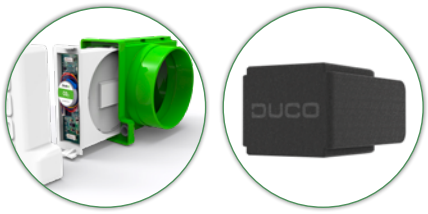
Dynamic Airflow Filters
For maximum efficiency

Low power consumption
due to energy-efficient EC motors

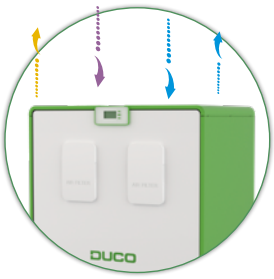
Smart demand management based on CO_2 and/or humidity measurement

	Type of DucoBox	Passive House Certified Component	Max air flow at 150 Pa	Plug	Article reference
	DucoBox Energy Comfort Plus D350		350 m³/h	F	00004704
	DucoBox Energy Comfort Plus D450		450 m³/h	F	00004705
	DucoBox Energy Comfort Plus D550		550 m³/h	F	00004706
	DucoBox Energy Comfort Plus D350 UK		350 m³/h	G	00004758
	DucoBox Energy Comfort Plus D450 UK		450 m³/h	G	00004759
	DucoBox Energy Comfort Plus D550 UK		550 m³/h	G	00004923

Optional pre-heater and optional multi-zoning valve



L/R switch - 100% software-based
This unit is very user-friendly because physical interventions are not necessary. The left/right switch is carried out 100% by software thanks to a patented principle of double by-pass.



Compact unit: 760 x 803 x 584 mm
With its compact dimensions, the DucoBox Energy Comfort is ideal for a small technical space!

Smart copy function
Thanks to a "copy" function which is integrated on software level, the installer has the possibility to copy the settings and parametrisation of one DucoBox Energy Comfort Plus onto the next DucoBox Energy Comfort Plus. This is particularly useful in a serial construction with the same types of houses.

Automatic calibration
Relying on the principles of calibration at constant pressure, this method achieves up to 50% saving on calibration time. DUCO saves you time.

Smart demand control based on CO_2 and/or humidity measurement
Available in white/black colours to fit into any house interiors.

DucoBox Energy Comfort Plus D350-D450-D550

DucoBox Energy Comfort Plus

DucoBox Energy Comfort Plus UK

With 2 or more sensors

With 1 sensor/ manual/ clock

Physical Properties		**D350**	**D450**	**D550**
Width x Height x Depth	mm	760 x 803 x 584		
Casing		Coated sheet steel		
Colours		White + Green		
Connections		Inner Diameter: Ø 180mm		
Condensate drain		Ø 32 mm (1 ¼") (2x)		
Heat exchanger		v1: PP - v2: PET/Alu		
Material of inside section		EPP / PP / ABS		
Weight		47 kg		
Power cable length		2 m (from top of unit)		
Mounting		Wall mounting (standard) Floor mounting as an option using support frame		

Miscellaneous Properties			**D350**	**D450**	**D550**
Energy class			With two sensors: A+ Other: A		
Specific energy consumption (SEC)	Cold	kWh/(m².a)	-77.8 (1)	-76.2 (1)	-72.8 (1)
	Average		-39.7 (1)	-38.5 (1)	-35.9 (1)
	Warm		-39.7 (1)	-38.5 (1)	-35.9 (1)
Maximum flow rate at 100 Pa ESP		m³/h	350	450	550
Sound power level LWA		dBA	48	49	54
Filters			Dynamic airflow filter supply air (520 x 190 x 15 mm) Standard: ISO 16890 Coarse 65 % (= G4) Optional: ISO 16890 ePM1 55% (= F7) Dynamic airflow filter exhaust air (520 x 190 x 15 mm) Standard: ISO 16890 Coarse 65 % (= G4)		
Summer by-pass			Fully (100% modulating)		
Frost protection			Imbalance or optional external heater		
Fans			EC fan with backward curved blades		
Automatic Calibration			Yes (constant pressure)		
Constant flow regulation			Yes		
Passive cooling			Automatic passive cooling control		
Operation			Integrated display Use via User controllers and CO_2 or Humidity Sensors		
Sensors			Integrated: pressure, temperature, onboard switch sensor External: CO_2 (via optional Sensor), Humidity (via optional Sensor or measurement in ETA line), external Switch Sensor (voltage free input) (optional)		
Communication			Standard: Duco RF, Duco Wired, Switch Sensor Expandable with Communication Print: Modbus, PWM-IN, PWM-OUT, Switch Sensor (3x), Ethernet, Micro SD-card slot		

Electrical Characteristics	**D350**	**D450**	**D550**
Maximum electrical power	117 W (2 x 58.5 W)	196 W (2 x 98 W)	276 W (2 x 133.5 W)
Power Supply	230 V, 50 Hz		
	Via 3-core power cable with earthed plug		
Contacts	0-10 V in/output		
Type of motor	DC		
Energy conversion efficiency	At 350 m³/h: 84% At 307 m³/h: 85% At 255 m³/h: 86%	At 450 m³/h: 81% At 418 m³/h: 82% At 377 m³/h: 83%	At 550 m³/h: 78% At 515 m³/h: 79% At 471 m³/h: 80%

(1) Manual control (no DCV)

Control components - DucoBox Energy Comfort/Comfort Plus

Humidity sensor

This sensor is placed in the extract air duct (ETA) of the DucoBox Energy Comfort and centrally measures the humidity of the air extracted from the house. A maximum of one Humidity Sensor (ETA) per unit.

Peak power:	Communication:	Power supply:
< 1 W	via supplied cable	From the DucoBox

NEW

Humidity Sensor (Energy Comfort & Energy Comfort Plus)	00004723

The Humidity Sensor is installed in a borehole (Ø 10mm) in an extraction duct with diameter of your choice.

External 2-zone

The 2-zone control for the supply to the home is done quickly and discreetly by the compact iAV valves. A valve is provided for each branch to the various zones.

Peak power:	Communication:	Power supply:
< 7 W	Wired connection to DucoBox	24 VDC (to be provided externally)

Multizone Valve DucoBox Energy Comfort (Plus) (Sensorless) Ø125	00004761
Multizone Valve DucoBox Energy Comfort (Plus) (Sensorless) Ø160	00004760

External control components

The DucoBox Energy Comfort/Comfort Plus can be linked with the following external control components.

User controllers and room sensors	Please refer to dedicated chapter on control components
Switch sensor (for switch detection)	Please refer to dedicated chapter on control components

Options & accessories - DucoBox Energy Comfort / Comfort Plus

NEW

Mounting chair standing (Energy Comfort D325)	00004546
Standing chair (Energy Premium / Comfort D400/Plus)	00004740

In situations where wall mounting of the DucoBox Energy Comfort (Plus) is not possible, this support frame enables floor mounting.
Use of a flat siphon is required.

Width x Height x Depth (incl. DucoBox Energy Comfort D325): 700 x 828 x 525 mm
Width x Height x Depth (incl. DucoBox Energy Comfort D400): 700 x 933 x 525 mm
Width x Height x Depth (incl. DucoBox Energy Comfort Plus): 700 x 936 x 525 mm

Siphon flat (Energy Premium & Comfort)	00004376

This flat diaphragm siphon with a height of 64 mm saves space and reduces the risk of air leaks.
The siphon can be installed 'dry' and does not dry out on warm days.

Filter set 2 x Coarse 65 % (Energy Comfort D325)	00004547
Filterset Coarse 65% /ePM1 55% (Energy Comfort D325)	00004661
Filterset 2 x Coarse 65 % (Energy Comfort D400 & Plus D350/D450/D550)	00004741
Filterset Coarse 65% /ePM1 55% (Energy Comfort D400 & Plus D350/D450/D550)	00004742

The filter sets for the DucoBox Energy Comfort (Plus) include the following filters: For supply air (SUP): choice between Coarse 65 % (≈ G4) or ePM1 55 % filter (≈ F7). The ePM1 55% filter lets fewer fine particles through, which has a positive influence on air quality (e.g. for people who have allergies). For extract air (ETA): Coarse 65 % filter (≈ G4)

Coaxial cable set 8m (Energy Premium / Comfort / Comfort Plus) 00004418

The set comprises an 8 m long coaxial cable with pre-fitted connectors at both ends. This set can be used to relocate DucoBox Energy Comfort / Premium antenna, if necessary, to a spot where the RF range is optimal.

Connectivity Board Modbus and WIFI 0004810 (Reference to be changed to 00004945 as of Q1 CY25)

The optional Duco Connectivity Board can be applied within the DucoBox Energy. This PCB enables interfacing 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.

Muff with rubber D160/D160 (M/M) [connection piece with joint] 00004724

Muff with rubber D180/D160 (M/M) [connection piece with joint] 00004725

Muff with rubber D180/D180 (M/M) [connection piece with joint] 00004726

Muff with rubber D200/D180 (M/M) [connection piece with joint] 00004727

The connection pieces with rubber are used to make a quick and good connection between ducts (exhaust and/or supply) or between a duct and a DucoBox. Thanks to the pre-fitted rubber seal, an airtightness class of up to D can be guaranteed at the connection! They are available in 4 versions: Ø160/Ø160, Ø160/Ø180, Ø180/Ø180 and Ø180/Ø200... a solution for every situation!

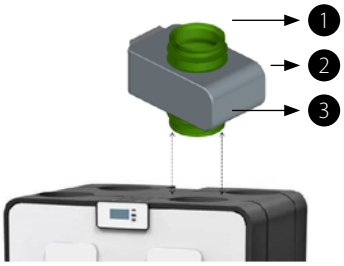
Pre-Heater DucoBox Energy Comfort (Plus) - 1,425W 00004807

Pre-Heater DucoBox Energy Comfort (Plus) UK - 1,425W 00004825

The Pre-heater is a frost protection based on an electrical resistance of up to 1,425W that can optionally be applied in the ODA connection of DucoBox Energy Comfort (Plus). The resistance is modulatively controlled based on various temperature readings in the ventilation unit.

The heater is attached between the unit and the air duct via connectors. The connectors depend on the type of unit and the flow rate. Refer to the table below for the right combination.

Type of unit	Flow rate	1 Connector	2 Heater	3 Connector
Comfort 325 & D325	Up to 250 m^3/h	D160/D180 00004725	Pre-Heater 00004807 00004825	D160/D180 00004725
	Up to 350 m^3/h	D180/D180 00004726		D160/D180 00004725
Comfort D400 Comfort Plus D350 Comfort Plus D450 Comfort Plus D550	Up to 250 m^3/h	D160/D180 00004725		D180/D180 00004726
	Up to 350 m^3/h	D180/D180 00004726		D180/D180 00004726
	Up to 550 m^3/h	D180/D200 00004727		D180/D180 00004726



Power supply 230VAC-24VDC/20W + housing 00004763

The Duco Power Supply 230VAC-24VDC/20W is the best solution to power Duco Wired components from a central 230V connection.
The component comes with a surface-mounted junction box as standard. The sum of the peak power of all connected DUCO components can be 20W at most when using one Power Supply.

Duco Wired power adapter 230VAC-24VDC/20W 00004762

The Duco Power Adapter 230VAC-24VDC/20W is the solution to power Duco Wired components from a 230V socket. The sum of the peak power of all connected DUCO components can be 20W at most when using one Power Supply.

Flow regulator 15-50 m^3/h Ø80 00004722

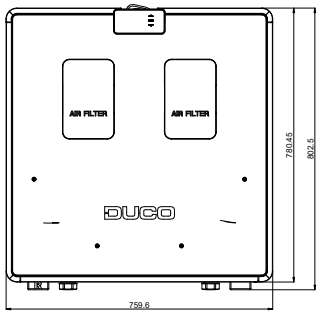
Flow regulator 15-50 m^3/h Ø125 00004836

Flow regulator 50-100 m^3/h Ø125 00004837

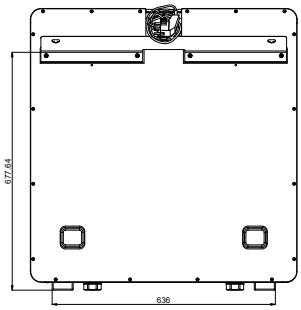
The adjustable flow regulator is an element that is placed in a duct to obtain a constant flow in a pressure range between 50 and 250 Pascal. It is used for both supply and extraction. Specifically for French market.

Dimensions DucoBox Energy Comfort Plus D350

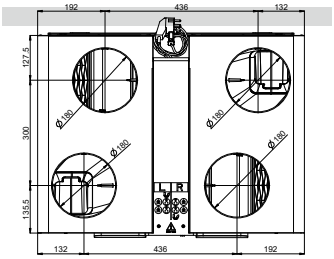
Front view



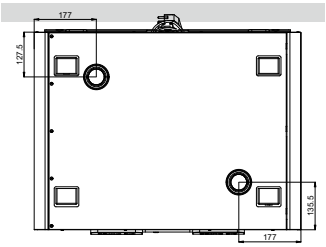
Rear view



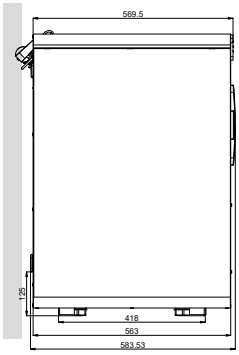
Top view



Bottom view

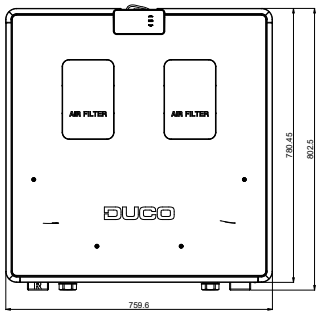


Side view

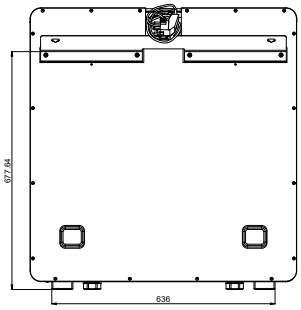


Dimensions DucoBox Energy Comfort Plus D450

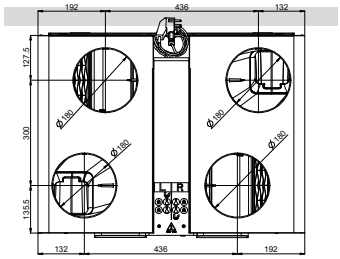
Front view



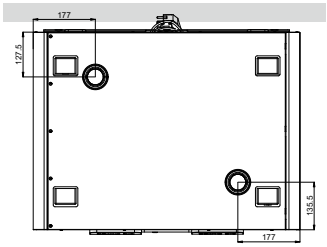
Rear view



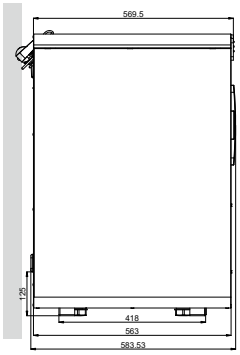
Top view



Bottom view

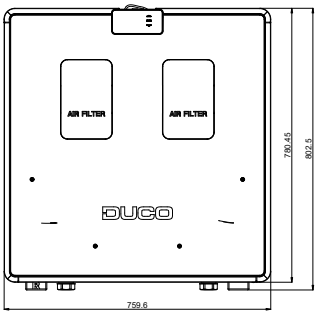


Side view

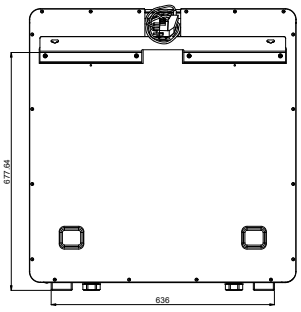


Dimensions DucoBox Energy Comfort Plus D550

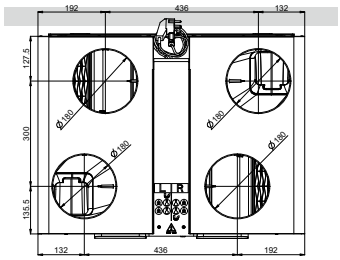
Front view



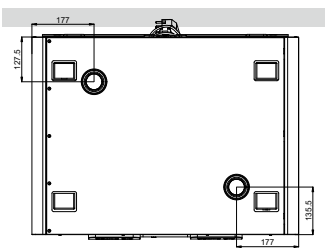
Rear view



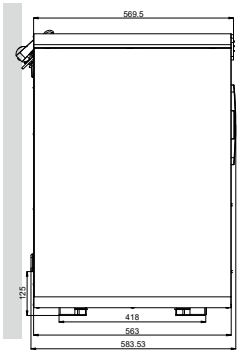
Top view



Bottom view

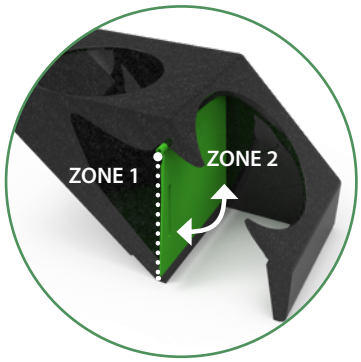


Side view



DucoBox Energy Premium

The DucoBox Energy Premium raises CHRV with heat recovery to the next level. Ideal for installation in an energy-neutral home of the future, automatic calibration and integrated 2-zone control with demand control ensure ultra-quiet, intelligent and energy-saving operation.



Patented 2-zone system (optional)

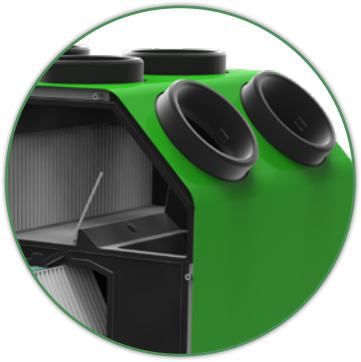
The day and night zone are being controlled separately by a valve which is integrated in the unit itself. Steering can happen based on time schedules or based on CO_2 or humidity measurements, thereby significantly improving the energy efficiency!

Favourable fan positioning

2 standard air filters

Distinguishing features

- Demand-controlled balanced system with heat recovery
- Lowest sound power (air supply) in the market
- Patented 2-zone control guarantees maximum energy efficiency
- Automatic calibration reduces installation time by at least 50%
- Modular set-up of on-demand components
- Minimum number of components
- Smart communication with domotic systems through Modbus or ethernet

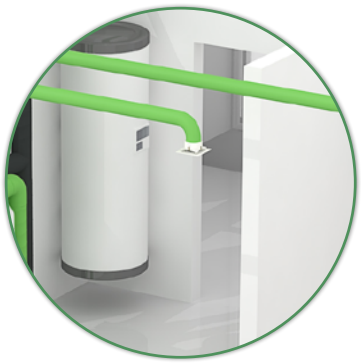


Smart humidity measurement and pressure sensors

Intelligent preheater

Heat exchanger
for maximum efficiency

Low noise guaranteed



Automatic calibration

The automatic calibration, which is based on the principle of constant pressure, allows for a very fast and accurate calibration. This easily reduces set-up time to 50%! DUCO saves you time and money.

Ventilation unit

The DucoBox Energy Premium is available in a left-hand variant (= bevelled side left) and right-hand variant (= bevelled side right). On the bevelled side, an exhaust duct and supply duct are connected to the house (ETA and SUP).

The DucoBox Energy Premium is provided with frost protection through an imbalance method, which may be supplemented with an optional heater.

1-Zone Variant

Type of DucoBox	Passive House Certified Component	Max air flow at 150 Pa	Pre-Heater included	Plug	Left	Right
DucoBox Energy Premium 325-1ZS		325 m³/h		F	00004358	00004359
DucoBox Energy Premium 325-1ZH		325 m³/h	•	F	00004360	00004361
DucoBox Energy Premium 400-1ZS		400 m³/h		F	00004366	00004367
DucoBox Energy Premium 400-1ZH		400 m³/h	•	F	00004368	00004369
DucoBox Energy Premium 325-1ZS (UK)		325 m³/h		G	00004456	00004460
DucoBox Energy Premium 325-1ZH (UK)		325 m³/h	•	G	00004457	00004461
DucoBox Energy Premium 400-1ZS (UK)		400 m³/h		G	00004464	00004468
DucoBox Energy Premium 400-1ZH (UK)		400 m³/h	•	G	00004465	00004469

2-Zone Variant

Type of DucoBox	Passive House Certified Component	Max air flow at 150 Pa	Pre-Heater included	Plug	Left	Right
DucoBox Energy Premium 325-2ZS		325 m³/h		F	00004362	00004363
DucoBox Energy Premium 325-2ZH		325 m³/h	•	F	00004364	00004365
DucoBox Energy Premium 400-2ZS		400 m³/h		F	00004370	00004371
DucoBox Energy Premium 400-2ZH		400 m³/h	•	F	00004372	00004373
DucoBox Energy Premium 325-2ZS (UK)		325 m³/h		G	00004458	00004462
DucoBox Energy Premium 325-2ZH (UK)		325 m³/h	•	G	00004459	00004463
DucoBox Energy Premium 400-2ZS (UK)		400 m³/h		G	00004466	00004470
DucoBox Energy Premium 400-2ZH (UK)		400 m³/h	•	G	00004467	00004471

1Z = 1 zone | 2Z = 2 zones
S = without heater | H = with heater

Control components - DucoBox Energy Premium

Box sensor

This sensor is fitted in the DucoBox Energy Premium and it measures the humidity content of the air extracted from the dwelling. A maximum of one Humidity Box sensor per unit.

Peak power:	Stand-by power:	Power supply:
< 1 W	< 1 W	From the DucoBox

Humidity sensor (Energy Premium)	00004374

External control components

The DucoBox Energy Premium can be linked with the following external control components.

User controllers and room sensors	Please refer to dedicated chapter on control components
Switch sensor (for switch detection)	Please refer to dedicated chapter on control components

Options & accessories - DucoBox Energy Premium

Standing chair (Energy Premium / Comfort D400/Plus) 00004740

In situations where wall mounting of the DucoBox Energy Premium is not possible, this support frame makes floor mounting possible.
Use of a flat siphon is required.
Width x Height x Depth (incl. DucoBox Energy Premium): 740 x 1,110 x 570 mm

Mounting chair hanging (Energy Premium) 00004422

In situations where it is not possible to mount the DucoBox to a wall, this support frame makes floor-mounting possible.
Use of a standard siphon is possible.
Width x Height x Depth (incl. DucoBox Energy Premium): 740 x 1,290 x 640 mm

Filter set 2 x Coarse 65 % (Energy Premium) 00004417

Filter set Coarse 65 % / ePM1 70 % (Energy Premium) 00004416

The filter sets for the DucoBox Energy Comfort (Plus) include the following filters: For supply air (SUP): choice between Coarse 65 % (≈ G4) or ePM1 55 % filter (≈ F7). The ePM1 55% filter lets fewer fine particles through, which has a positive influence on air quality (e.g. for people who have allergies). For extract air (ETA): Coarse 65 % filter (≈ G4)

Siphon flat (Energy Premium & Comfort) 00004376

This flat diaphragm siphon with a height of 64 mm saves space and reduces the risk of air leaks. The siphon can be installed 'dry' and does not dry out on warm days.

Connectivity Board Modbus and WIFI 0004810 (Reference to be changed to 00004945 as of Q1 CY25).

The optional Duco Connectivity Board can be applied within the DucoBox Energy. This PCB enables interfacing 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.

Coaxial cable set 8m (Energy Premium / Comfort / Comfort Plus) 00004418

The set comprises an 8 m long coaxial cable with pre-fitted connectors at both ends. This set can be used to relocate the DucoBox Energy Comfort / Premium antenna, if necessary, to a spot where the RF range is optimal.

Muff with rubber D160/D160 (M/M) [connection piece with joint] 00004724

Muff with rubber D180/D160 (M/M) [connection piece with joint] 00004725

Muff with rubber D180/D180 (M/M) [connection piece with joint] 00004726

Muff with rubber D200/D180 (M/M) [connection piece with joint] 00004727

Power supply 230VAC-24VDC/20W + housing 00004763

The Duco Power Supply 230VAC-24VDC/20W is the best solution to power Duco Wired components from a central 230V connection.
The component comes with a surface-mounted junction box as standard. The sum of the peak power of all connected DUCO components can be 20W at most when using one Power Supply.

Duco Wired power adapter 230VAC-24VDC/20W 00004762

The Duco Power Adapter 230VAC-24VDC/20W is the solution to power Duco Wired components from a 230V socket. The sum of the peak power of all connected DUCO components can be 20W at most when using one Power Supply.

Flow regulator 15-50 m^3/h Ø80 00004722

Flow regulator 15-50 m^3/h Ø125 00004836

Flow regulator 50-100 m^3/h Ø125 00004837

The adjustable flow regulator is an element that is placed in a duct to obtain a constant flow in a pressure range between 50 and 250 Pascal. It is used for both supply and extraction. Specifically for French markets.

DucoBox Energy Premium 325 - 400

DucoBox Energy Premium

DucoBox Energy Premium UK

With 2 or more sensors

With 1 sensor/ manual/ clock

Physical Properties			325	400
Width x Height x Depth (mm)		mm	740 x 957 x 585 mm	
Casing			Coated sheet steel	
Colours			White + green	
Connections			Interior diameter: Ø 160 mm - Exterior diameter: Ø 190 mm	
Condensate drain			Ø 32 mm (1 ¼")	
Heat exchanger			PET / Polystyrene	
Interior material			EPP / PP / ABS	
Weight			47 kg	
Power plug cable length			2 m (connected at the top side of the unit)	
Mounting			Wall mounting (standard) Floor mounting as an option using support frame	

Miscellaneous Properties			325	400
Energy class			With two sensors: A+ Other: A	
Specific energy consumption (SEC)	Cold	kWh/(m².a)	-82.9 (1)	-82.1 (1)
	Average		-43.6 (1)	-43 (1)
	Warm		-43 (1)	-18 (1)
Maximum flow rate at 100 Pa ESP		m³/h	327	405
Sound power level LWA		dBA	41	46
Filters			Filter supply air (175 x 500 x 25 mm) Standard: ISO 16890 Coarse 65 % (≈ G4) Optional: ISO 16890 ePM1 70% (≈ F7) Filter exhaust air (175 x 500 x 25 mm) Standard: ISO 16890 Coarse 65% (≈ G4)	
Summer by-pass			Full (100% modulating)	
Frost protection			Imbalance - Optional via proportional Heater	
Fans			EC fan with curved blades	
Automatic configuration			yes	
Constant flow control			Yes	
Controls			Integrated display Use via control switches and room sensors	
Sensors			Integrated: pressure, temperature, humidity (via optional box sensor), onboard switch contact External: CO_2 (via optional room sensor), humidity (via optional room sensor), external switch contact (voltage-free input) (optional)	
Communication			Standard: DUCO RF, DUCO Wired, Switch contact Can be expanded with Communication Print: Modbus, PWM-IN, PWM-OUT, Switch contact (3x), Ethernet, Micro SD-card slot	

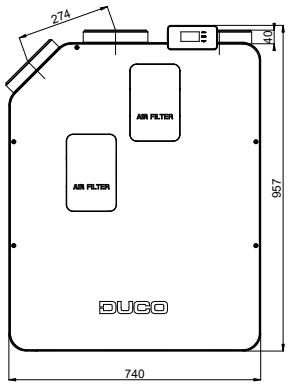
Electrical Characteristics	325	400
Maximum electrical capacity at 150 Pa	120 W (2 x 60 W)	183 W (2 x 91.5 W)
Maximum electrical capacity heater	1,000 W	
Power supply	230 V, 50 Hz - via 3-core cable with earth plug	
Plugs	0-10 V in/outputs	
Motor type	DC	
IP class	IP40	
Efficiency	At 228 m³/h: 87 % At 275 m³/h: 86 % At 332 m³/h: 85 %	At 301 m³/h: 85 % At 351 m³/h: 85 % At 401 m³/h: 84 %

(1) Manual control (no DCV)

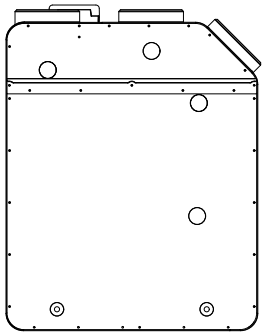
Dimensions DucoBox Energy Premium 325 - 400

Left model

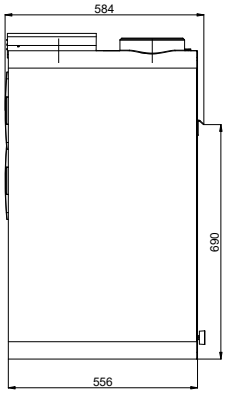
Front view

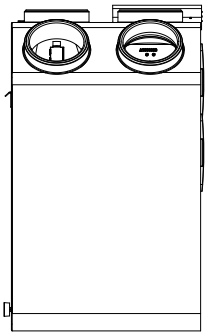


Rear view

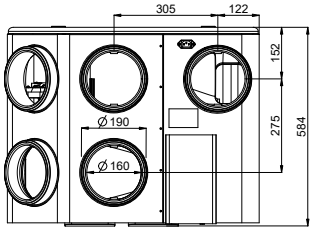


Side view

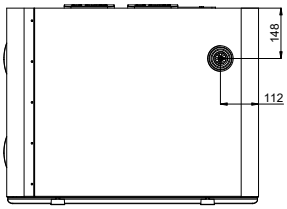




Top view

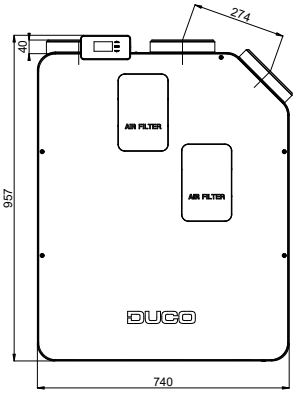


Bottom view

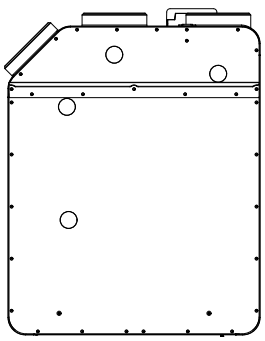


Right model

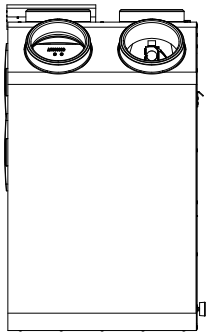
Front view

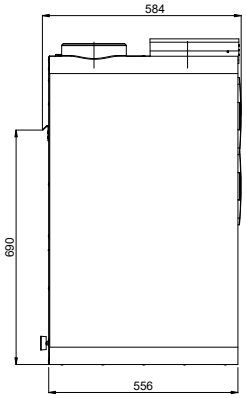


Rear view

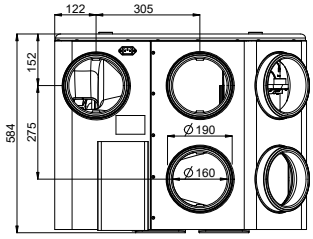


Side view

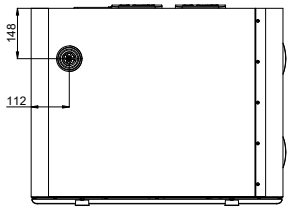




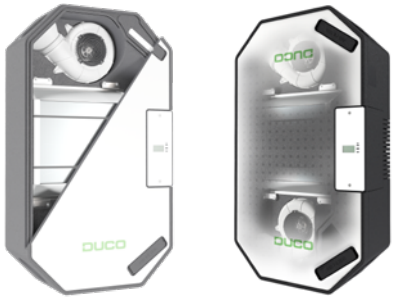
Top view



Bottom view



DucoBox Energy Sky (D275)



Flexible, compact, saves you installation time!

The Sky really has no limit with this compact ventilation box and its various mounting options. In addition, you save more than 50% on calibration time thanks to features such as automatic calibration, copy function and 100% interchangeability via display. Smart demand control also ensures that the unit operates very energy-efficiently. The device is extremely light (19 kg), making it easy to install by one person. Despite its light weight, the unit is still very quiet. With a maximum emission from casing of 54dB, it is among the quietest ceiling units on the market.

Patented principle

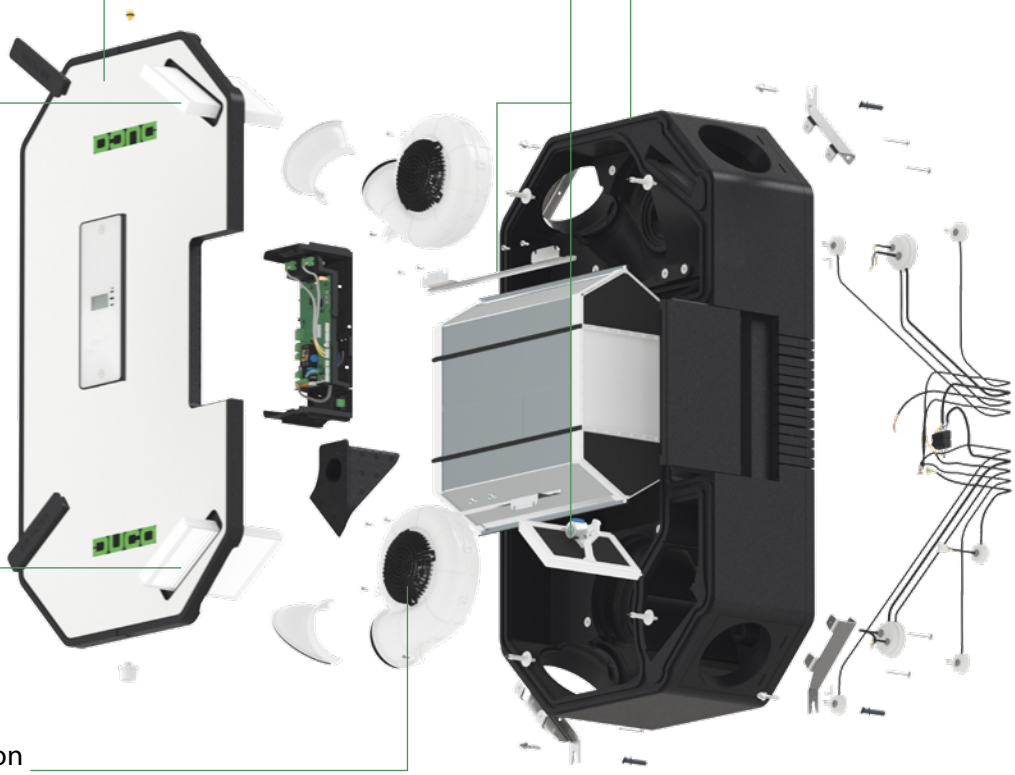
of double by-pass

L/R interchangeable

100% software-based

Smart 2-zone control

With external valves



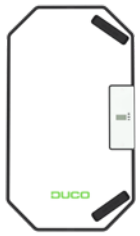
Dynamic Airflow Filters

For maximum efficiency

Low power consumption

due to energy-efficient EC motors

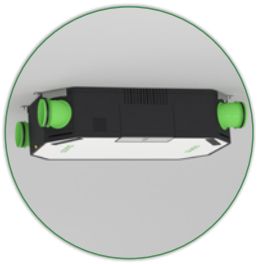
Compact design, lightweight, silent!



Type of DucoBox	Max air flow at 150 Pa	Plug	Article reference
DucoBox Energy Sky D275	275 m³/h	F	00004939
DucoBox Energy Sky D275 UK	275 m³/h	G	00004940

Flexible solution:

Thanks to a compact dimension of 670 x 1180 x 295 mm, the unit requires a limited space to be installed, and can be either wall mounted or ceiling mounted. The unit can also support various configurations (standard or flipped), thus making it an ideal adaptable solution for all types of rooms and spaces. The 45 degree spigots offer great flexibility and space savings.



L/R switch - 100% software-based

This unit is very user-friendly because physical interventions are not necessary. The left/right switch is carried out 100% by software thanks to a patented principle of double by-pass.

Compact and lightweight:

This lightweight ceiling model (19 kg) perfectly complements our Energy Family (Centralized Heat Recovery Ventilation) and, thanks to its limited height of 295 mm, also fits seamlessly into suspended ceilings. The unit can also be wall-mounted.

Smart copy function

Thanks to a "copy" function which is integrated on software level, the installer has the possibility to copy the settings and parametrisation of one DucoBox Energy Sky onto the next DucoBox Energy Sky. This is particularly useful in a serial construction with the same types of houses.

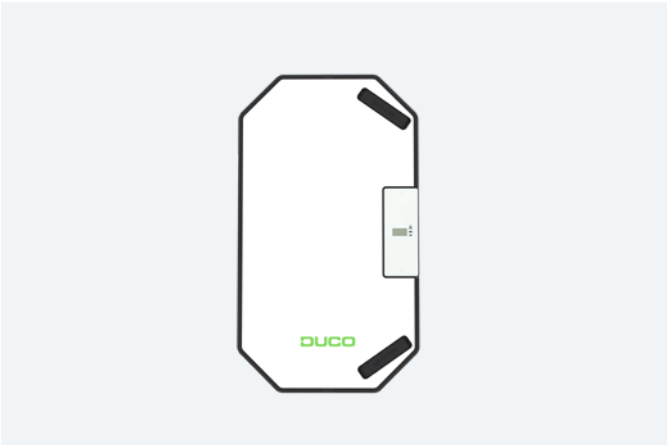
Automatic calibration

Relying on the principles of calibration at constant pressure, this method achieves a 50% saving on calibration time. DUCO saves you time and money.

Intelligent demand control

The DucoBox Energy Sky automatically adjusts the ventilation to the actual need using the optional integrated 2-zone control. You thus automatically control the ventilation system based on CO_2 and humidity, allowing you to ventilate even more efficiently. This results to 40% energy savings and 30% less noise!

DucoBox Energy Sky D275



DucoBox Energy Sky

DucoBox Energy Sky UK

With 2 or more sensors

With 1 sensor/ manual/ clock

Physical Properties			**D275**
Width x Height x Depth		mm	670 x 1180 x 295
Casing			EPP + Polystyrene
Colours			White + black
Connections Inner Diameter: Ø 180mm			Internal diameter: Ø 160 mm
Condensate drain			Ø 32 mm (1 ¼")
Heat exchanger			Polystyrene
Material of inside section			EPP / PP / ABS
Weight			19 kg
Power cable length			2 m (from side of unit)
Mounting			Ceiling mounting Wall mounting (vertical)

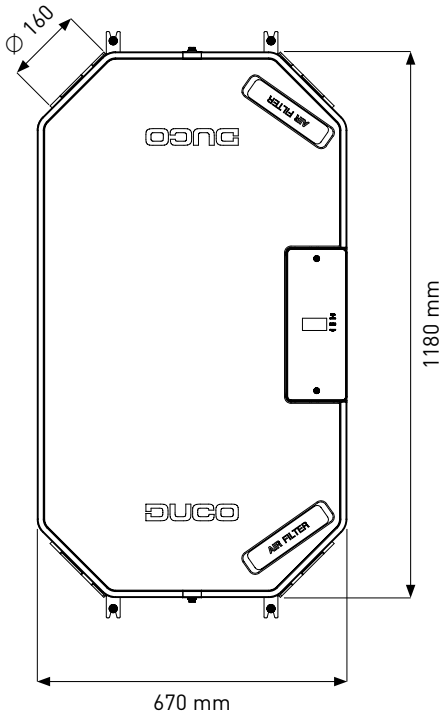
Miscellaneous Properties			**D275**
Energy class			With 2 sensors (control factor 0.65): A+ Other: A
Specific energy consumption (SEC)	Cold	kWh/(m².a)	-79,6
	Average		-41,2
	Warm		-16,6
Maximum flow rate at 100 Pa ESP		m³/h	275
Sound power level LWA		dBA	45
Filters			Filter supply air (175 x 500 x 25 mm) Standard: ISO 16890 Coarse 65 % (= G4) Optional: ISO 16890 ePM1 55 % (= F7) Filter exhaust air (240 x 170 x 27 mm) Standard: ISO 16890 Coarse 65 % (= G4)
Summer by-pass			Fully (100% modulating)
Frost protection			Imbalance or optional external heater
Fans			EC fan with backward curved blades
Automatic Calibration			Yes (constant pressure)
Constant flow regulation			Yes
Passive cooling			Automatic passive cooling control via 'NightBoost' function
Operation			Integrated display Use via remote controls and Room CO2 or Humidity Sensors Optional via smartphone/tablet (provided Duco Connectivity Board in device
Sensors			Integrated: pressure, temperature, onboard switch sensor External: CO_2 (via optional Sensor), Humidity (via optional Sensor or measurement in ETA line), external Switch Sensor (voltage free input) (optional)
Communication			Standard: Duco RF, Duco Wired, Switch Sensor Expandable with Duco Connectivity Board: Modbus TCP (local), REST API (local or via cloud) - both via Ethernet or Wi-Fi

Electrical Characteristics	**D275**
Maximum electrical power	130 W (2 x 65W)
Power Supply	230 V, 50 Hz
	Via 3-core power cable with earthed plug
Contacts	0-10 V in/output
Type of motor	DC
Energy conversion efficiency	At 274 m³/h: 85% At 231 m³/h: 86% At 180 m³/h: 87% At 140 m³/h: 88%

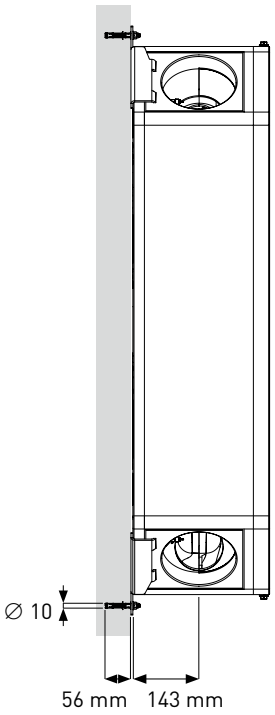
(1) Central demand control

Dimensions DucoBox Energy Sky D275

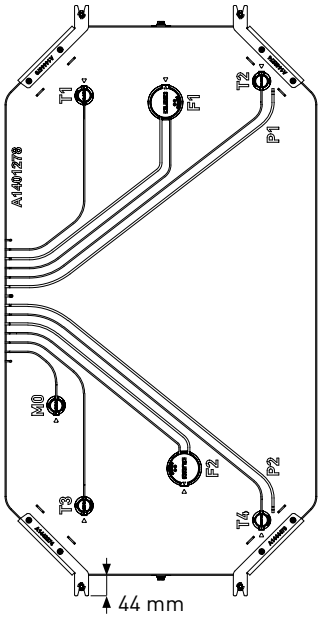
Front view



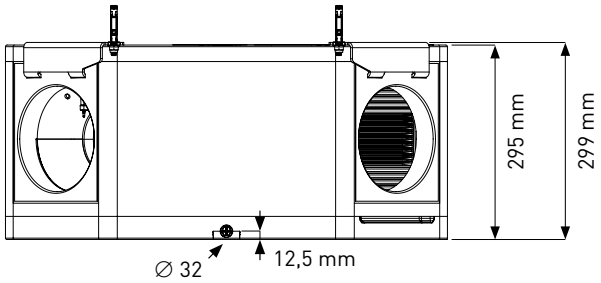
Side view



Rear view



Top view



Control components

User controls and room controls

User controllers and room sensors contain **one or both** of the following functions:

User controller: Using the buttons, the user sets the operation of the ventilation system to the desired level:
- **Automatic mode (recommended):** CO_2 and/or humidity measurements determine the operation of the ventilation system via intelligent algorithms. This guarantees optimum air quality in the most efficient way.
- **Manual settings:** The ventilation system ventilates at 10% (setting 1), 50% (setting 2) or 100% (setting 3) of the maximum ventilation capacity. (changeable according to user's preference).
- **Measuring air quality:** Sensors continuously measure the CO_2 or humidity level (as well as temperature) in the rooms where they are installed. The measurements determine the operation of the ventilation system when it is in automatic mode.

All controls and room sensors also function as RF repeaters to amplify the wireless signal (except battery-operated controls).

RF/ Wired models
Power supply: RF: 230 VAC | Wired: 24 VDC
Width x Height x Depth: 69 x 69 x 55 mm
Display: 4 RGB LEDs
Peak power: 1.8 W | Stand-by power: 1.2 W
Communication: RF and wired
Colour: Control: black or white | Supplied cover plate: white

Battery-powered model
Battery: CR2430 3V coin cell battery
Width x Height x Depth: 69 x 69 x 17 mm
Display: 1 bicolor LED
Communication: RF
Colour: Control: black or white | Supplied cover plate: white

User controllers + air quality measurement

These contain both a user controller and room sensors (CO_2 or humidity) for air quality measurement.

	Black	White
CO_2 Sensor RF / Wired (User control + Air quality measurement)	00004603	00004604
Humidity Sensor RF / Wired (User control + Air quality measurement)	00004605	00004606

User controller only

These contain only a user controller. Ideal in rooms where measurement is not required, or where measurement is done by other means (in the duct).

	Black	White
User controller RF / Battery	00004175	00004600
User controller RF / Wired	00004601	00004602

Air quality measurement only

Room sensors that are only equipped with a CO_2 sensor. Ideal for bedrooms where no user controller is necessary.

	Black	White
CO_2 Room sensor without control RF/Wired (Air quality measurement only)	00004636	00004637

Wired components:
Wired / 24 VDC components require a transformer from 230 VAC to 24 VDC. It is possible to work with a Duco Power supply as a central power supply, or with a Duco Power Adapter to power the component from the wall socket.
See "Options & accessories" for the ventilation unit.

Switch Sensor

The Switch Sensor can perform either or both of the following functions:

Switch detection: the ventilation system will perform a function when closing a (two-pole) dry contact. Suitable for toilet detection or overrule setting (only one function per switch sensor).

Repeater: the switch sensor is ideally suited as a repeater (amplifier) to strengthen the signal in the event of RF communication problems. In that case the switch sensor must be positioned in such a way that the distance to be bridged and/or interference by obstacles is reduced.

A switch sensor is easy to conceal thanks to its small size.

Switch sensor (Energy Premium / Comfort / Comfort Plus)	00004174
Dimensions (Width x Height x Depth)	41 x 37 x 20 mm
Weight	21 g
Colour	White
Connection diameter	125 mm
Peak power	0.5 W
Standby power	0.4 W
Power supply	230 VAC
Communication	RF

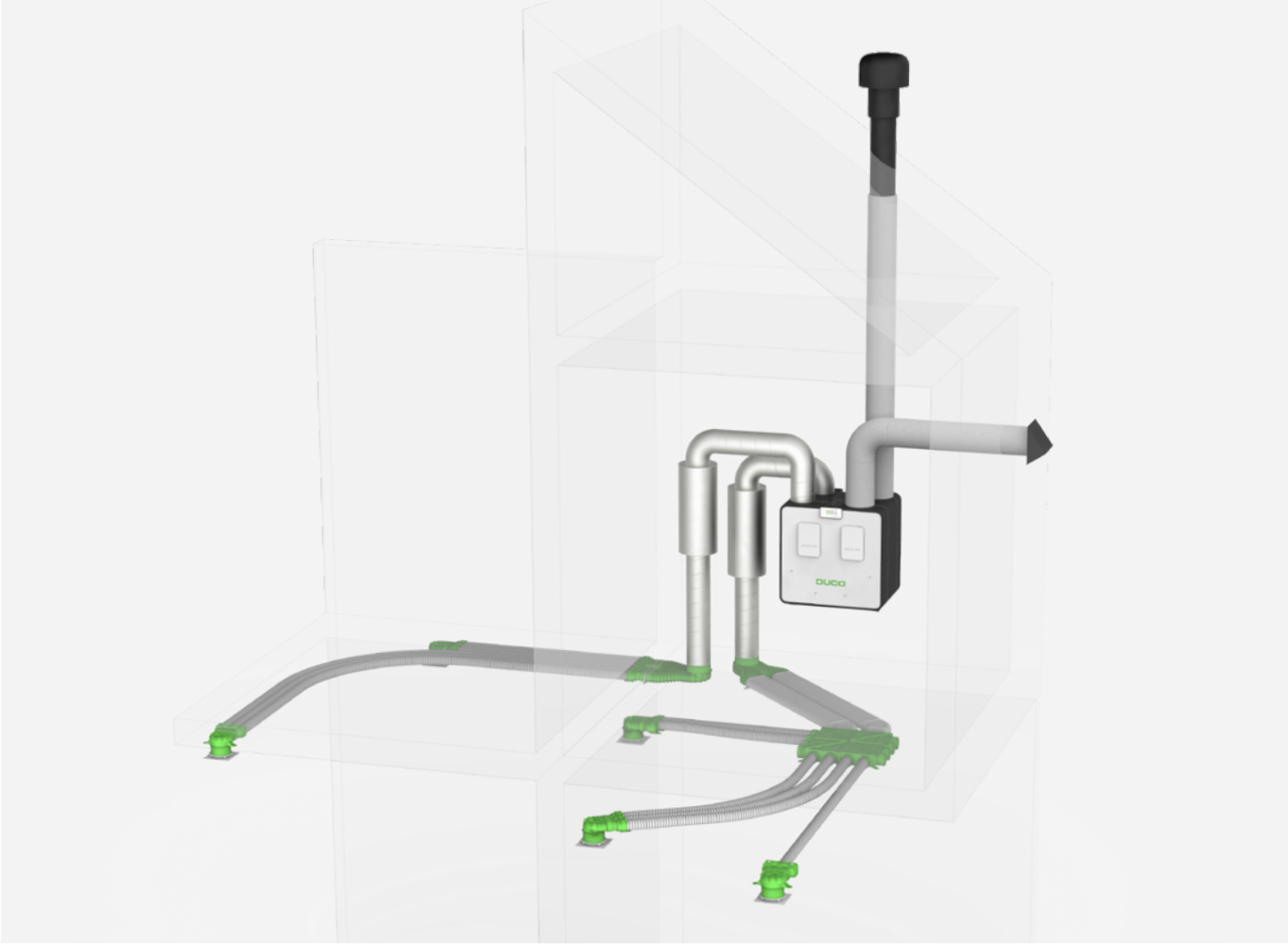
Note: An external switch sensor is not required if a switch is connected to the onboard dry contact on the circuit board of the 'master' unit (DucoBox or IQ unit).
Use a double-pole switch or relay and a 2 x 0.8 mm^2 cable for this.

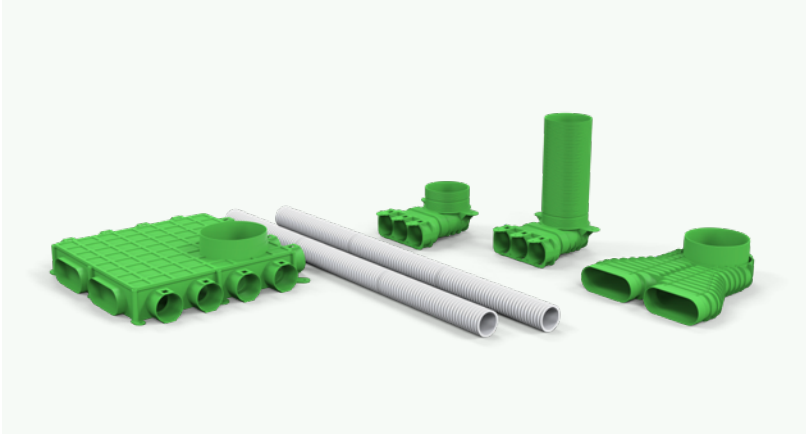
Air ducts

Total ventilation package

Are you looking for a total ventilation package? Then you are best going to just one address. With DucoFlex, Daikin provides a complete air duct system for CHRV. When you use DucoFlex, you will also benefit from the 'Zero Noise' guarantee package. This consists of the highest airtightness class D, the lowest air resistance and maximum acoustic comfort with the quietest ventilation system in Europe! The result is an energy-efficient and quiet ventilation system.

Did you know that this complete air duct system is very easy to install? This is thanks to the handy 'Click & Go' principle and minimum number of fittings. Daikin, a one-stop-shop with 100 % service provision.





DucoFlex
Complete air ducting system for CHRV

Click & Go' system
Flexible ducting with convenient click system without screws

'Zero noise' guarantee
Meets the most stringent requirements

Airtight
Class D airtightness

100% service
Complete ventilation package with support

Standard components

DucoFlex round semi-rigid ducting D63 (50 m)	00004552
DucoFlex round semi-rigid ducting D75 (50 m)	00004674
DucoFlex round semi-rigid ducting D90 (50 m)	00004692

DucoFlex antistatic and antibacterial air ducting, being round and flexible, is easy to fit. When fitted correctly, its low internal resistance will contribute to an energy-efficient ventilation system.

DucoFlex rubber O-ring D63 (10 pieces)	00004553
DucoFlex rubber O-ring D75 (10 pieces)	00004675
DucoFlex rubber O-ring D90 (10 pieces)	00004676

The DucoFlex O-ring provides a quick and perfectly airtight joint between air ducts and fittings.

DucoFlex Coupling D63	00004554
DucoFlex Coupling D75	00004677
DucoFlex Coupling D90	00004678

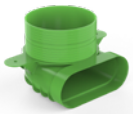
The coupling enables an airtight connection to be made between DucoFlex ducts. A built-in stop prevents the ducts from being inserted too far.

DucoFlex Elbow 90° D75	00004679
DucoFlex Elbow 90° D90	00004680

The bend in the standard configuration enables a 90° bend to be made in flexible ducting.

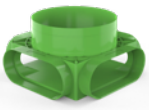
DucoFlex 90° Bend splitter vent connector long - oval/D125	00004681

The DucoFlex 90° Bend splitter vent connector long can be utilised multifunctionally. This makes it possible to connect a DucoFlex connector 3x63, 2x75, 3x75 or 2x90 to it.



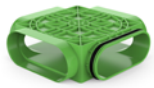
DucoFlex 90° Bend splitter vent connector short - oval/D125	00004682

The DucoFlex 90° Bend splitter vent connector short can be used multifunctionally. This makes it possible to connect a DucoFlex connector 3x63, 2x75, 3x75 or 2x90 to it.



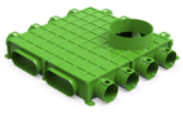
DucoFlex Manifold box (floor and ceiling) 4 x oval air ducts (F) D160	00004687

The ceiling and floor manifold box can be utilised multifunctionally. It is a box with 4 oval connexions and a D160 riser duct. Combined with connectors D63, D75 or D90, it becomes a floor/ceiling plenum.



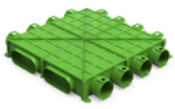
DucoFlex Manifold box (floor and ceiling) 3 x oval air ducts (F) + 1 x oval air duct (M)	00004701

The ceiling and floor manifold box can be utilised multifunctionally. It is a manifold box with 3 oval connexions (F) and 1 oval connection (M). This offers the possibility to connect it to the ceiling and floor manifold box 4x oval (F) and so expand to 6x oval connections (F).



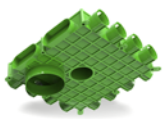
DucoFlex Manifold box (floor) 12x63 D180	00004563

The D180 floor manifold box is the adapter between a maximum of 12 DucoFlex D63 ducts and a direct connection to a D180 riser duct. The smart 'Click & Go' system provides a quick and perfectly airtight joint between DucoFlex ducts.



DucoFlex Manifold box (floor) 12x63 + 2 x oval air ducts	00004565

The 2x oval floor manifold box is the adapter between up to a maximum of 12 D63 ducts and 2x DucoFlex oval. This enables the manifold box to be positioned more accessibly. The smart 'Click & Go' system provides a quick and perfectly airtight joint between DucoFlex ducts.

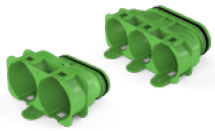


DucoFlex Manifold box (ceiling) 12x63 D180	00004564

The D180 ceiling manifold box is the adapter between up to a maximum of 12 DucoFlex D63 ducts and a direct connection to a D180 riser duct. The smart 'Click & Go' system provides a quick and perfectly airtight joint between DucoFlex ducts.

DucoFlex connector riser round D160 - 2 oval	00004566

The riser duct connector can be utilised multifunctionally. It is an adapter between 2x DucoFlex oval and a D160 riser duct. Combined with connectors D63, D75 or D90, it becomes a floor/ceiling plenum.



DucoFlex Adapter 3x63 oval	00004684
DucoFlex Adapter 2x75 oval	00004685
DucoFlex Adapter 3x75 oval	00004841
DucoFlex Adapter 2x90 oval	00004686

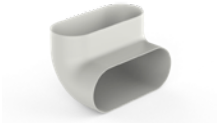
The adapter allows connecting 3x DucoFlex D63/D75 or 2x DucoFlex D75/D90 to a DucoFlex oval connection. The smart "Click & Go" system provides a quick and perfectly airtight joint between DucoFlex ducts.

DucoFlex oval air duct B163xH68xL1150	00004567

Rigid DucoFlex oval ducting combined with the D160 - 2x oval connector enables a manifold box to be provided in a favourable location.

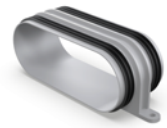
DucoFlex horizontal elbow 90°/45° rigid oval duct	00004609

The horizontal bend in the standard configuration enables a 90° bend to be made in rigid oval ducting. It is possible to cut this component down to a 45° bend.



DucoFlex vertical elbow 90° rigid oval duct	00004699

The vertical bend in the standard configuration enables a vertical 90° bend to be made in rigid oval ducting.



DucoFlex oval duct coupling	00004568

The oval coupling provides a quick and perfectly airtight connection between DucoFlex oval ducting and connections.

DucoFlex horizontal connector oval - D125	00004638

The D125 oval connector provides a horizontal connection between D125 round duct and DucoFlex oval duct or an optional connector for DucoFlex.

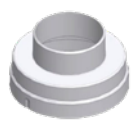
DucoFlex horizontal connector D160 2x oval	00004700

The D160 2x oval connector provides a horizontal connection between D160 round duct and 2x DucoFlex oval duct or an optional connector for DucoFlex.

DucoFlex Oval Cap	00004713

The DucoFlex End cap oval makes it possible to close an oval connection of a plenum

Reducer 160 / 125	00004543



Reducer 125/80	00004542

Tools

DucoFlex Duct cutter D63	00004599
DucoFlex Duct cutter D75	00004688
DucoFlex Duct cutter D90	00004689

The DucoFlex duct cutter ensures that ducting can be cut easily as well as nice and straight. This is recommended for airtight system assembly.

Insulated ducting

NEW

DucoFlex insulated circular duct with integrated coupler D160 L1000	00004569
DucoFlex insulated circular duct with integrated coupler D180 L1000	0004570 (Reference changed to 00004909 as of Q1 CY25)
DucoFlex insulated circular duct with integrated coupler D200 L1000	00004905

The DucoFlex insulated circular duct is a smooth and insulated ventilation duct made of EPS. The good insulating properties of this product prevent a thermal bridge and therefore condensation when polluted air is extracted or outside air is pulled in. Energy losses are also avoided. In addition to the good thermal insulation value, the material used also dampens noise and is very easy to handle. A connection piece is supplied as standard which connects the various EPS components quickly and airtight.

NEW

DucoFlex insulated 90° bend with integrated coupler D160	00004571
DucoFlex insulated 90° bend with integrated coupler D180	0004572 (Reference changed to 00004910 as of Q1 CY25)
DucoFlex insulated 90° bend with integrated coupler D200	00004906

The DucoFlex insulated 90° bend is a smooth and insulated elbow for ventilation ducts made of EPS. The good insulating properties of this product prevent a thermal bridge and therefore condensation when polluted air is extracted or outside air is pulled in. Energy losses are also avoided. In addition to the good thermal insulation value, the material used also dampens noise and is very easy to handle. A connection piece is supplied as standard which connects the various EPS components quickly and airtight.

NEW

DucoFlex insulated 45° bend with integrated coupler D160	00004573
DucoFlex insulated 45° bend with integrated coupler D180	0004574 (Reference changed to 00004911 as of Q1 CY25)
DucoFlex insulated 45° bend with integrated coupler D200	00004907

The DucoFlex insulated 45° bend is a smooth and insulated elbow for ventilation ducts made of EPS. The good insulating properties of this product prevent a thermal bridge and therefore condensation when polluted air is extracted or outside air is pulled in. Energy losses are also avoided. In addition to the good thermal insulation value, the material used also dampens noise and is very easy to handle. A connection piece is supplied as standard which connects the various EPS components quickly and airtight.

NEW

DucoFlex insulated coupler D160	00004575
DucoFlex insulated coupler D180	0004576 (Reference changed to 00004912 as of Q1 CY25)
DucoFlex insulated coupler D200	00004908

The DucoFlex insulated coupler is a practical connection piece that connects the various EPS components in a quick and airtight manner.

Silencers

DucoFlex Silencer flexible D125 L1000	00004586

The DucoFlex Silencer D125 is a (semi-) flexible silencer composed of a flexible antibacterial inner duct (non-woven) and a polyester-laminated aluminium outer jacket. The space between the inner and outer jacket is filled with 25 mm sound absorbing material.
Both ends are taped to allow the silencer to be easily connected to the ventilation unit or the rigid ventilation ducts of diameter D125.

DucoFlex Silencer flexible D125 (M/F) L1000	00004630
DucoFlex Silencer flexible D200 (M/F) L1000	00004918

The DucoFlex Silencer (M/F) is a (semi-)flexible silencer consisting of a flexible antibacterial inner channel (non-woven) and an aluminium outer jacket laminated in polyester. The space between the inner and outer jacket is filled with 25 mm sound absorbing material.
The silencer comes standard with stainless steel caps on both ends of which 1 M and 1 F connection. This allows quick, easy and airtight connection of the damper to the ventilation unit or rigid ventilation ducts of diameter D125 or D200.

DucoFlex Silencer flexible D160 (M/M) L1000	00004631
DucoFlex Silencer flexible D180 (M/M) L1000	00004632

The DucoFlex Silencer (M/M) is a (semi-) flexible silencer composed of a flexible antibacterial inner duct (non-woven) and a polyester-laminated aluminium outer jacket. The space between the inner and outer jacket is filled with 25 mm sound absorbing material. The silencer is provided with stainless steel caps on both ends (2 x M connection). This allows the silencer to be connected quickly, easily and airtight to the ventilation unit or the rigid ventilation ducts of diameter D160 or D180.

DucoFlex Silencer semi rigid D160 (M/M) L1000	00004587
DucoFlex Silencer semi rigid D180 (M/M) L1000	00004588
DucoFlex Silencer semi rigid D200 (M/M) L1000	00004919

The DucoFlex Silencer semi-rigid (M/M) is a semi-rigid (bendable) silencer composed of a profiled and perforated aluminium inner duct and a two-layered profiled outer jacket. The space between the inner and outer jacket is filled with 50 mm sound absorbing material. The silencer is provided with aluminium caps on both ends (2 x M connection). This allows quick, easy and airtight connection of the damper to the ventilation unit or rigid ventilation ducts of diameter D160, D180 or D200.

Connection pieces

Muff with rubber D160/D160 (M/M) [connection piece with joint]	00004724
Muff with rubber D180/D160 (M/M) [connection piece with joint]	00004725
Muff with rubber D180/D180 (M/M) [connection piece with joint]	00004726
Muff with rubber D200/D180 (M/M) [connection piece with joint]	00004727

Vents

Which vents to choose?

The vents are installed in ducts for the extraction of stale air or supply of fresh air. DUCO does not lose sight of the aesthetic or the functional aspect here either.

	DucoVent Basic	DucoVent Comfort	DucoVent Design	DucoVent Premium
				
Type of DucoBox	DucoBox Energy Comfort and Comfort Plus DucoBox Energy Premium			
Type of vent	Supply Extraction	Supply Extraction	Supply* Extraction * With the exception of 'Standard' vents	Supply Extraction
Air flow	Up to 75 m^3/h	Extraction: up to 75 m^3/h Supply: up to 75 m^3/h	Extraction: up to 75 m^3/h Supply: up to 50 m^3/h	Up to 50 m^3/h
Design	★	★★★	★★★★	★★★★★
Shape	Round	Round	Round Square Standard and XL Rounded Square Standard and XL	Round (trimless)
Material	Plastic	Plastic (ASA)	Aluminium	Plastic
Colour	White	White	All RAL	White (can be painted)
Sound absorption	★	★★★★	★★★★★	★★★★
Ease of maintenance	★★	★★★	★★★★★	★★★
Fitting	To be clamped in DucoFlex	Sealing joint in DucoFlex	To be clamped in DucoFlex	Sealing joint in DucoFlex + plastering
Setting flow rate	Fine adjustment via rotary adjuster	11 adjustable positions	Preregulation with flow rings + Fine adjustment via rotary adjuster	36 adjustable positions

Standard vents - All systems

DucoVent Basic (Supply & Exhaust)	00004178
Maximum flow rate	75 m^3/h
Colour	White
Connection diameter	125 mm
Suitable for	Extraction + Supply
The DucoVent Basic is the standard vent that is manufactured from plastic and is suitable for ceiling and wall mounting. Fine adjustment is by means of a cone that screws in and out. Suitable for both extraction and supply.	

DucoVent Comfort	00004769
Maximum flow rate	75 m^3/h
Colour	White
Connection diameter	125 mm
Suitable for	Extraction + Supply
A vent where both aesthetics and ease of adjustment are central. This is what DucoVent Comfort stands for! Thanks to a clever principle of adjustment positions, the vent can be adjusted both in advance and during installation. The ideal addition to all Duco ventilation systems in serial construction where the copy function saves a lot of time!	

DucoVent Premium	00004903
Maximum flow rate	50 m^3/h
Colour	White (can be painted over)
Connection diameter	125 mm
Suitable for	Extraction + Supply
The DucoVent Premium is by far the finest vent in the market that can be used for both supply and extraction. A 'trimless' integration in the plasterwork makes the vent almost invisible. The well-thought-out design ensures a diffuse air supply via the Coanda effect and therefore guarantees optimal comfort. Aesthetics and quality in one product! A perfect combination with DUCO's high-quality ventilation solutions!	

Simple vents for French market

DucoVent Auréa (80) + manchon (80)	00004619
DucoVent Auréa (125) + manchon (125)	00004620

Bouche Alizé Auto 15 m^3/h (80)	00004834
Bouche Alizé Auto 30 m^3/h (80)	00004835

Sound absorbing design vents - All systems

The DucoVent Design is an aesthetic vent, available with five different cover plates: square (standard and XL), rounded square (standard and XL) or fully circular. The sleek design, combined with simple installation thanks to its magnetic fastening, ensures virtually invisible integration into any room where air extraction or supply is provided. The acoustic rings provide optimal sound absorption and easy calibration. Suitable for ceiling and wall mounting. Easy to clean without disturbing the settings.

The DucoVent Design Round and all XL models are also suitable for use as supply vents. Two inserts are included which can be used to reduce the exhaust angle, when positioning the vent close to a wall or in a corner for example.

DucoVent Design square standard AK (exhaust)		00004179
Maximum flow rate	Extraction: 75 m^3/h	Supply: 50 m^3/h
Noise level	<15 dB(A) at 50 m^3/h	
Colour	White (RAL 9010 structure (AE03059901020))	
Duct diameter	125 mm	
Dimensions (Width x Height x Depth)	180 x 180 x 52 mm	
Suitable for	Extraction	

DucoVent Design square XL AK (supply and exhaust)		0004226
Maximum flow rate	Extraction: 75 m^3/h	Supply: 50 m^3/h
Noise level	<15 dB(A) at 50 m^3/h	
Colour	White (RAL 9010 structure (AE03059901020))	
Duct diameter	125 mm	
Dimensions (Width x Height x Depth)	215 x 215 x 52 mm	
Suitable for	Extraction + Supply	

DucoVent Design round AK (supply and exhaust)		0004210
Maximum flow rate	Extraction: 75 m^3/h	Supply: 50 m^3/h
Noise level	<15 dB(A) at 50 m^3/h	
Colour	White (RAL 9010 structure (AE03059901020))	
Duct diameter	125 mm	
Dimensions (Width x Height x Depth)	215 x 215 x 52 mm	
Suitable for	Extraction + Supply	

DucoVent Design rounded square standard AK (exhaust)		0004211
Maximum flow rate	Extraction: 75 m^3/h	Supply: 50 m^3/h
Noise level	<15 dB(A) at 50 m^3/h	
Colour	White (RAL 9010 structure (AE03059901020))	
Duct diameter	125 mm	
Dimensions (Width x Height x Depth)	180 x 180 x 52 mm	
Suitable for	Extraction	

DucoVent Design rounded square XL AK (supply and exhaust)		0004227
Maximum flow rate	Extraction: 75 m^3/h	Supply: 50 m^3/h
Noise level	<15 dB(A) at 50 m^3/h	
Colour	White (RAL 9010 structure (AE03059901020))	
Duct diameter	125 mm	
Dimensions (Width x Height x Depth)	215 x 215 x 52 mm	
Suitable for	Extraction + Supply	

Air flow

DUCO supplies a wide range of grilles for extraction and supply for every conceivable use.

Feed-through via facade outside DucoFlex Wall feed-through

The DucoFlex Wall feed-through can be used as a supply and extraction point with very low pressure losses. The fitted flange with a diameter of 160 or 180 provides a quick and air-tight connection to the DucoFlex ISO D160 or D180 pipes without any need for connecting pieces. The pre-fitted condensation strip prevents possible undesired deposits of dripping condensation water. The sleek design and black or white colour enable the unit to be used discretely in any type of façade.

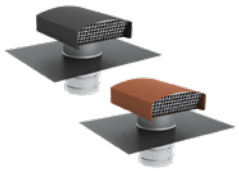
	Black	White
DucoFlex Wall feed-through D160	00004584	00004627
DucoFlex Wall feed-through D180	00004585	00004628
NEW **DucoFlex Wall feed-through D200**	00004914	00004913

Feed-through via door DoorVent

The DoorVent is a transfer grille that can be installed discretely in internal doors. Unlike gaps under the door, the DoorVent thereby avoids draughts and attenuates intrusive noise.

Airflow	70 cm²	
Dimensions (Width x Height)	Overall: 436 x 58 mm	Recessed fitting: 417 x 48 mm
Door thickness	37-47 mm	

DoorVent RAL 9001	10300800
DoorVent RAL 9010	10300700



Feed-through via flat & sloping roof DucoFlex Roof feed-through

The DucoFlex Roof feed-through Compact can be used as a supply and extraction point. The dark grey or terracotta colour and the design allow this unit to be used very discretely in a sloping roof. The pre-fitted lead sheet ensures quick and water-tight installation. The smart design ensures that this compact roof feed-through is hardly sensitive to atmospheric turbulences. The connection piece fits seamlessly into DucoFlex ISO ducting D160 or D200.

DucoFlex Roof feed-through Compact D160 - Slate	00004582
DucoFlex Roof feed-through Compact D160 - Terracotta	00004580

Feed-through via flat & sloping roof DucoFlex Roof feed-through

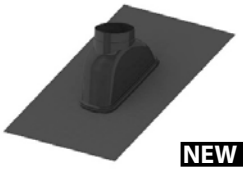
The DucoFlex Universal Roof feed-through can be used as a supply and extraction point on both flat and sloping roofs. This unit can also be used at higher air flow rates thanks to its low air-resistance. The pre-assembled connection piece is 635 mm, allowing the roof feed-through to be used in any possible situation. The insulated end piece fits for DucoFlex ISO D160 ducts, D180 ducts as well as D200 ducts.

NEW **DucoFlex Universal Roof feed-through D160/180 (1.0m)**	00004578
DucoFlex Universal Roof feed-through D200 (1.0m)	00004915

Feed-through via flat & sloping roof DucoFlex Roof feed-through

The DucoFlex Roof feed-through plate flat roof can be combined with the Universal Roof feed-through D160/180 or D200. The base plate has a diameter of 420 mm. It is made completely of aluminium, making it suitable for all standard finishes of roof feed-throughs on flat roofs.

DucoFlex Roof feed-through plate flat roof D204	00004581
NEW **DucoFlex Roof feed-through plate flat roof D210**	00004916



Feed-through via flat & sloping roof DucoFlex Roof feed-through

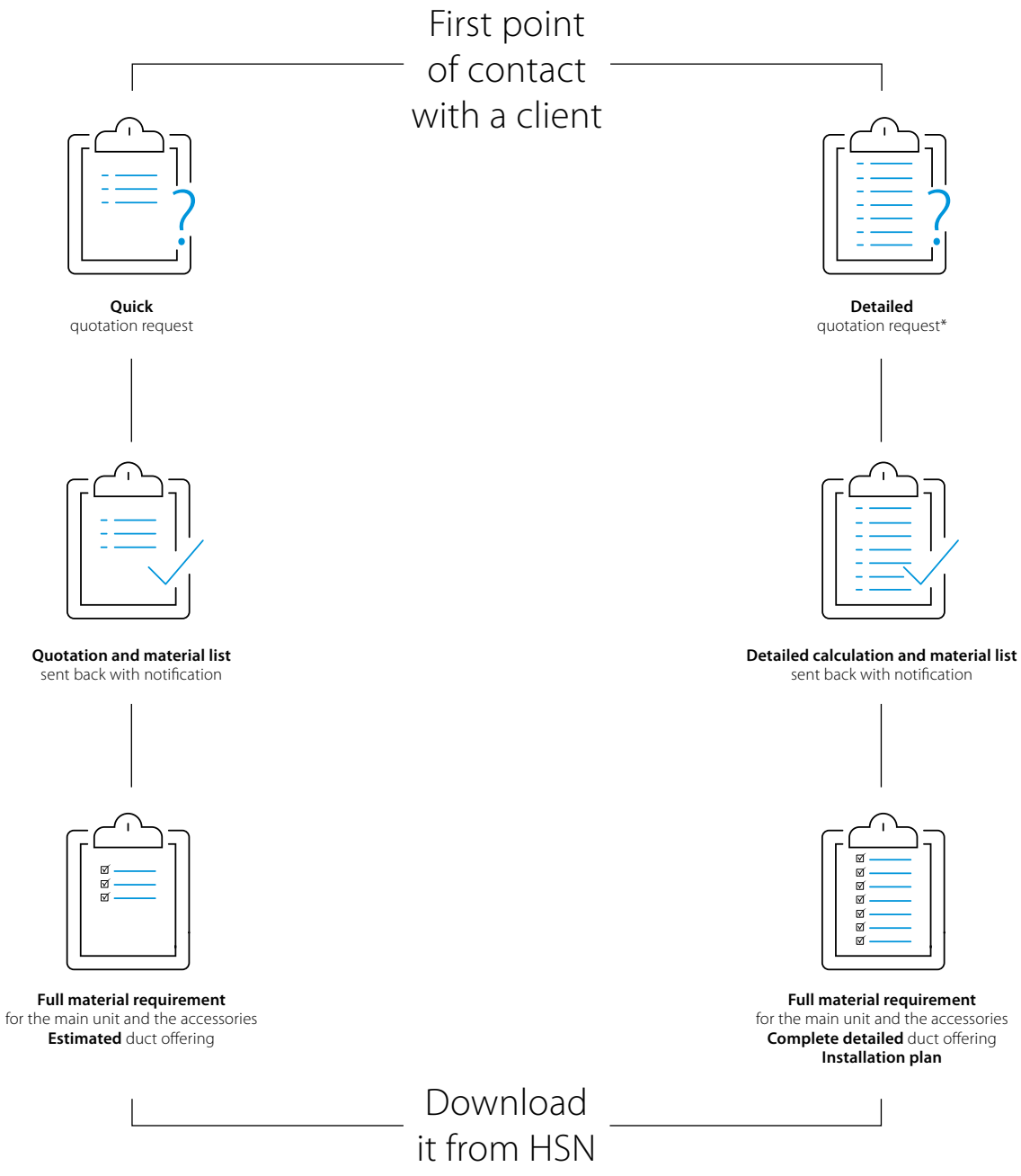
The DucoFlex Universal Roof feed-through tile can be combined with the Universal Roof feed-through D160/180 or D200. The unit is a 2-tile solution which is suitable for sloping roofs with a pitch between 25° and 50°. The pre-mounted plastic flashing flange ensures quick and water-tight installation.

DucoFlex Universal Roof feed-through tile D205	00004579
NEW **DucoFlex Universal Roof feed-through tile D210**	00004917

Experience the ultimate customer service with the Heating Solutions Navigator

As part of the Stand by Me service programme, the **Heating Solutions Navigator (HSN)** provides the best fit solution for your customer's home.

As installer, you will be able to request a **quick quotation** (list of materials) for DUCO units, or get a **detailed calculation** (including drawings and installation plans) based on your customer's home plan that you will provide.



*On condition that commitment to purchase is made.

Compatibility table

	Material reference	Material description	Premium	Premium UK	Comfort Plus		
			325/D400	325/D400	D550	D450	D350
	00004951	DUCO Connectivity Board 2.0 (Comfort (Plus), Premium, Sky)	•	•	•	•	•
	00004376	Siphon flat (Energy Premium & Comfort)	•	•	•	•	•
	00004417	Filter set 2 x Coarse 65 % (Energy Premium)	•	•			
	00004416	Filter set Coarse 65 % /ePM1 70 % (Energy Premium)	•	•			
NEW	0000461	Filterset Coarse 65% /ePM1 55% (Energy Comfort D325)					
	00004547	Filter set 2 x Coarse 65 % (Energy Comfort D325)					
NEW	00004741	Filterset 2 x Coarse 65 % (Energy Comfort D400 & Plus D350/D450/D550)			•	•	•
NEW	00004742	Filterset Coarse 65% /ePM1 55% (Energy Comfort D400 & Plus D350/D450/D550)			•	•	•
NEW	0004950	Filterset 2 x Coarse 65 % (Energy Sky D275)					
NEW	0004951	Filterset Coarse 65% /ePM1 55% (Energy Sky D275)					
	00004422	Mounting chair hanging (Energy Premium)	•	•			
	00004546	Mounting chair standing (Energy Comfort D325)					
NEW	00004740	Standing chair (Energy Premium / Comfort D400/Plus)	•	•	•	•	•
	00004418	Coaxial cable set 8m (Energy Premium / Comfort / Comfort Plus)	•	•	•	•	•
	00004807	Pre-Heater DucoBox Energy Comfort (Plus) - 1,425W (available from 1/4/2023)			•	•	•
	00004825	Pre-Heater DucoBox Energy Comfort (Plus) UK - 1,425W (available from 1/4/2023)					
NEW	00004761	Multizone Valve DucoBox Energy Comfort (Plus) (Sensorless) Ø125			•	•	•
NEW	00004760	Multizone Valve DucoBox Energy Comfort (Plus) (Sensorless) Ø160			•	•	•
NEW	00004762	Duco Wired power adapter 230VAC-24VDC/20W	•		•	•	•
NEW	00004763	Power supply 230VAC-24VDC/20W + housing	•	•	•	•	
	00004810	Connectivity Board Modbus and WIFI (Reference to be changed to 00004945 as of Q1 CY25)	•	•	•	•	•
	Sensors for DucoBox Energy series						
	00004174	Switch sensor (Energy Premium / Comfort / Comfort Plus)	•	•	•	•	•
	00004374	Humidity Sensor (Energy Premium)	•	•			
NEW	00004723	Humidity Sensor (Energy Comfort & Energy Comfort Plus)			•	•	•
	00004603	CO_2 Sensor RF / Wired (User control + Air quality measurement - Black	•	•	•	•	•
	00004604	CO_2 Sensor RF / Wired (User control + Air quality measurement - White	•	•	•	•	•
	00004605	Humidity Sensor RF / Wired (User control + Air quality measurement - Black)	•	•	•	•	•
	00004606	Humidity Sensor RF / Wired (User control + air quality measurement - White)	•	•	•	•	•
	00004175	User controller RF / Battery (Black)	•	•	•	•	•
	00004600	User controller RF / Battery (White)	•	•	•	•	•
	00004601	User controller RF / Wired (Black)	•	•	•	•	•
	00004602	User controller RF / Wired (White)	•	•	•	•	•
	00004636	CO_2 Room sensor without control RF/Wired (Air quality measurement only - Black)	•	•	•	•	•
	00004637	CO_2Room sensor without control RF/Wired (Air quality measurement only - White)	•	•	•	•	•
	Various						
	00004809	Duco Installation Kit (Comfort (Plus) / Premium)	•	•	•	•	•
NEW	00004946	DUCO Installation Kit (Comfort (Plus), Premium, Sky)	•	•	•	•	•
NEW	00005011	Pre-heater Energy Comfort (Plus) / Sky - 1150 W	•	•	•	•	•

Comfort Plus UK			Comfort		Comfort UK		Comfort FR	DUCO Sky	Duco Sky UK
D550	D450	D350	400/D400	325/D325	400/D400	325/D325	D325	D275	D275
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