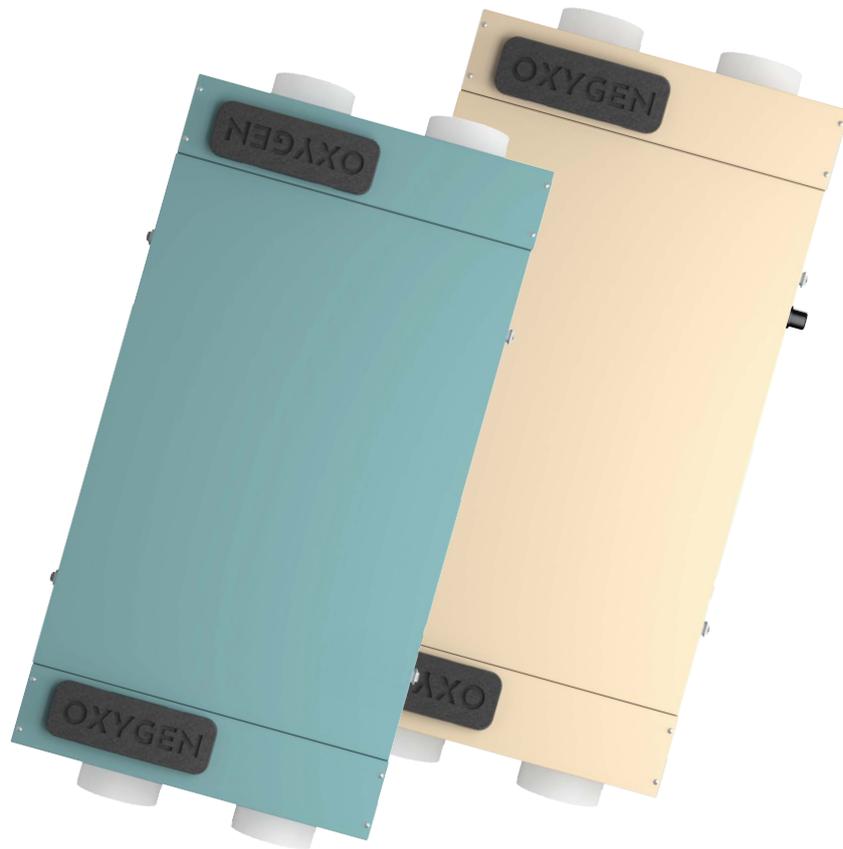


# OXYGEN



Next generation ventilation units  
easy to install, easy to use

JUST LIKE BREATHING

[www.oxygenvent.com](http://www.oxygenvent.com)

# Simple, innovative solutions

Who are we and what do we want?

What are our guidelines?

Only well-conceived solutions

We are OXYGEN – developers and manufacturers of advanced Lithuanian ventilation systems. Our mission is to ensure a healthy microclimate in every home. We aim to break market stereotypes and offer a superior alternative – smarter, more efficient and more compact products.

Inspired by the European Commission's ambitious strategy for sustainable economic growth, the European Green Deal, together with the KTU University team, we have developed a compact, easy-to-install and easy-to-use heat recovery unit, controlled by a unique energy-saving algorithm.

We offer well-thought-out solutions based on modern technologies and products that are easy to install and user-friendly. With OXYGEN, it's as easy as breathing.



## Healthy home microclimate

Enthalpy

Heat and cool recovery

Fresh air and hygiene

Forget dry mouths, dry eyes and skin, and hundreds of euros spent on moisturizers. Enthalpy is cutting-edge technology that preserves the humidity in your home, and therefore helps maintain your health.

A heat recovery unit is like a fridge that can never be switched off. It is useful in both winter and summer because it efficiently keeps your home warm or cool, saving you money.

Ventilation ensures that air has the right amount of oxygen, eliminating harmful CO<sub>2</sub>. The filters trap dust, insects and even germs. Rest assured, thanks to the hygienic airflow technology, unwanted kitchen smells are eliminated.



## Tailored to Lithuanian and Nordic climates

Non-freezing

Low costs

High energy efficiency

Your smart heat recovery unit will never freeze. We guarantee uninterrupted ventilation for your home.

Thanks to 5 internal sensors and a unique energy-saving algorithm, you'll conserve heat while ventilating your home, using the minimum amount of electricity.

OXYGEN heat recovery ventilators with advanced plate counterflow heat exchangers are suitable for even the highest energy class A++. Save up to 93% energy.



# Easy to install

## Everything is included

The electric heater, control automation and other necessary components are located inside the unit, eliminating the time and cost of installing external ventilation accessories and reducing the space required to install the heat recovery unit.

## Lightweight

The compact and ultra-lightweight OXYGEN heat recovery unit housing is made of EPP material with excellent thermal and acoustic insulation properties. Installing OXYGEN products alone is fast and easy.

## X-Air Academy

Increase your knowledge and gain practical experience at the X-Air Academy training courses, where we share best practices, present the latest news from the ventilation world and advise on all ventilation issues.



# Comfort features

## Bathroom mode

Press the auxiliary switch together with the light switch to activate the increased ventilation mode and the heat recovery unit will remove steam and unwanted odors.

## Hood mode

Activate the enhanced ventilation mode while cooking. When coupled to the extractor fan, the heat recovery unit will extract vapors and unwanted odors.

## Summer ventilation

Enjoy fresh air in summer by opening your windows, and entrust the heat recovery unit with the ventilation of bathrooms, kitchens and other enclosed spaces.



# Easy to use

## Smart control

Enjoy all the smart features by controlling the heat recovery unit via the app or the color LCD touchscreen control panel.

## Easy maintenance

Easily replace the filters by opening the filter covers. OXYGEN heat recovery units no longer require any servicing.

## An invisible helper

The heat recovery unit will adapt to your lifestyle – a weekly ventilation program will give you extra comfort every day.



# X-AIR C180

Smart Ceiling Mounted Heat Recovery Unit

# OXYGEN

## Just like breathing

Next generation ventilation units easy to install, easy to use.



Compact design - only 27.2 cm

Integrated adaptive pre-heater

93 % heat recovery

Suitable up to 80 m<sup>2</sup>

Easy to replace filters

Easy to install

Antifreeze protection

Lightweight & robust

Boost, fire alarm, away

Unique energy-saving algorithm

Energy recovered by



Compact design



Easy to install



Smart management



Comfort & Well-being



Energy efficient



EcoDesign compliant



Best quality



## Intelligence that helps you breathe easier

Forget complicated buttons – simply control your OXYGEN heat recovery unit with the smartphone app or a modern, color touchscreen LCD control panel.

## 1 unit = 1 tree



We plant a tree in the OXYGEN forest for every heat recovery unit purchased. We take care of the trees so they take care of fresh air for us.



# X-AIR C180E

Smart Ceiling Mounted Heat Recovery Unit **with enthaply**

# OXYGEN

## Just like breathing

Next generation ventilation units easy to install, easy to use.



Compact design - only 27.2 cm

Integrated adaptive pre-heater

87.9 % heat recovery

Suitable up to 80 m<sup>2</sup>

Easy to replace filters

Lightweight

Moisture recovery

Antifreeze protection

Boost, fire alarm, away

Unique energy-saving algorithm

Energy recovered by



Compact design



Easy to install



Smart management



Retains humidity



Comfort & Well-being



Energy efficient



EcoDesign compliant



Best quality



## Intelligence that helps you breathe easier

Forget complicated buttons – simply control your OXYGEN heat recovery unit with the smartphone app or a modern, color touchscreen LCD control panel.

## 1 unit = 1 tree



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# X-AIR C180E

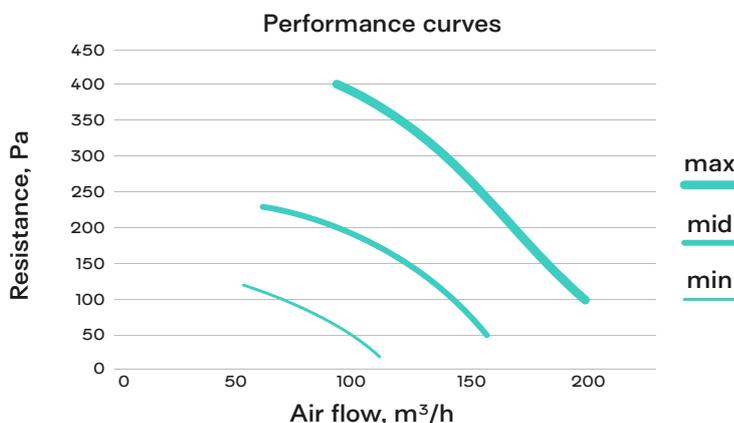
# OXYGEN

## Technical specification

Specific energy consumption (SEC), SEC class		A+
Cold climate	kWh/m <sup>2</sup> .a	-87.8
Average climate	kWh/m <sup>2</sup> .a	-43.3
Warm climate	kWh/m <sup>2</sup> .a	-17.9
Declared typology		Bi-directional, residential ventilation
Type of drive installed or intended to be		Variable speed drive
Type of heat recovery system		Recuperative
Thermal efficiency of heat recovery	%	87.9
Moisture recovery efficiency	%	76
Maximum flow rate	m <sup>3</sup> /h	143
Electric power input of the fan drive, including	W	76
Sound power level (LWA)	dB	49
Reference flow rate	m <sup>3</sup> /s	0.028
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m <sup>3</sup> /h)	0.24
Control factor		0.65
Control typology		Local demand control
Declared maximum leakage rate:		
Internal	%	1.4
External	%	2.5
The annual electricity consumption (AEC)	kWh/100m <sup>2</sup> .a	172
The annual heating saved (AHS)		
Cold climate	kWh/100m <sup>2</sup> .a	9096
Average climate	kWh/100m <sup>2</sup> .a	4650
Warm climate	kWh/100m <sup>2</sup> .a	2103
Integrated pre-heater	W	800
Power supply		230V, 50Hz, 5A
Dimensions	mm	1015 x 537 x 272
Weight	kg	25

### Compliance and standards

2009/125/EB: ES 1253/2014, ES 1254/2014, ES 2017/1369, EN 13141-7:2010; 2010/30/ES: ES 1254/2014; 2011/65/ES: EN 50581(2012); 2014/35/ES: EN 60335-1:2012, EN 60335-1:2012/A11:2014.



**ENERGY**  
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OXYGEN X-Air C180E

A+ A B C D E F G

49 dB

143 m<sup>3</sup>/h

ENERGIA · ENERGIJA · ENERGIJA · ENERGIJA · ENERGIJA · ENERGIJA · ENERGIJA  
2016 1254/2014

# X-AIR C200

Smart Ceiling Mounted Heat Recovery Unit

# OXYGEN

## Just like breathing

Next generation ventilation units easy to install, easy to use.



Compact design - only 27.2 cm

Integrated adaptive pre-heater

90 % heat recovery

Suitable up to 100 m<sup>2</sup>

Easy to replace filters

Easy to install

Antifreeze protection

Lightweight & robust

Boost, fire alarm, away

Unique energy-saving algorithm

Energy recovered by



Compact design



Easy to install



Smart management



Comfort & Well-being



Energy efficient



EcoDesign compliant



Best quality



## Intelligence that helps you breathe easier

Forget complicated buttons – simply control your OXYGEN heat recovery unit with the smartphone app or a modern, color touchscreen LCD control panel.

## 1 unit = 1 tree



We plant a tree in the OXYGEN forest for every heat recovery unit purchased. We take care of the trees so they take care of fresh air for us.



# X-AIR C200E

Smart Ceiling Mounted Heat Recovery Unit **with enthapy**

# OXYGEN

## Just like breathing

Next generation ventilation units easy to install, easy to use.



Compact design - only 27.2 cm

Integrated adaptive pre-heater

80.8 % heat recovery

Suitable up to 100 m<sup>2</sup>

Easy to replace filters

Lightweight

Moisture recovery

Antifreeze protection

Boost, fire alarm, away

Unique energy-saving algorithm

Energy recovered by



Compact design



Easy to install



Smart management



Retains humidity



Comfort & Well-being



Energy efficient



EcoDesign compliant



Best quality



## Intelligence that helps you breathe easier

Forget complicated buttons – simply control your OXYGEN heat recovery unit with the smartphone app or a modern, color touchscreen LCD control panel.

## 1 unit = 1 tree



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# X-AIR C200E

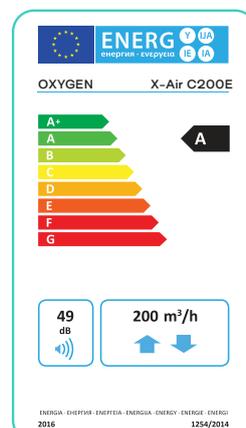
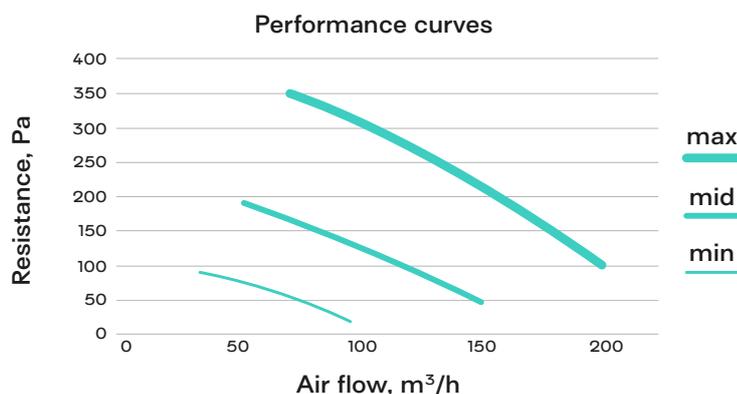
## Technical specification

# OXYGEN

Specific energy consumption (SEC), SEC class		A
Cold climate	kWh/m <sup>2</sup> .a	-83.1
Average climate	kWh/m <sup>2</sup> .a	-40.0
Warm climate	kWh/m <sup>2</sup> .a	-15.4
Declared typology		Bi-directional, residential ventilation
Type of drive installed or intended to be		Variable speed drive
Type of heat recovery system		Recuperative
Thermal efficiency of heat recovery	%	80.8
Moisture recovery efficiency	%	74.2
Maximum flow rate	m <sup>3</sup> /h	200
Electric power input of the fan drive, including	W	106
Sound power level (LWA)	dB	49
Reference flow rate	m <sup>3</sup> /s	0.039
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m <sup>3</sup> /h)	0.35
Control factor		0.65
Control typology		Local demand control
Declared maximum leakage rate:		
Internal	%	1.4
External	%	2.5
The annual electricity consumption (AEC)	kWh/100m <sup>2</sup> .a	245
The annual heating saved (AHS)		
Cold climate	kWh/100m <sup>2</sup> .a	8809
Average climate	kWh/100m <sup>2</sup> .a	4503
Warm climate	kWh/100m <sup>2</sup> .a	2036
Integrated pre-heater	W	800
Power supply		230V, 50Hz, 5A
Dimensions	mm	1015 x 537 x 272
Weight	kg	25

### Compliance and standards

2009/125/EB: ES 1253/2014, ES 1254/2014, ES 2017/1369, EN 13141-7:2010; 2010/30/ES: ES 1254/2014; 2011/65/ES: EN 50581(2012); 2014/35/ES: EN 60335-1:2012, EN 60335-1:2012/A11:2014.



# X-AIR C250

Smart Ceiling Mounted Heat Recovery Unit

# OXYGEN

## Just like breathing

Next generation ventilation units easy to install, easy to use.



Compact design - only 27.2 cm

Integrated adaptive pre-heater

80.3 % heat recovery

Suitable up to 120 m<sup>2</sup>

Easy to replace filters

Easy to install

Antifreeze protection

Lightweight & robust

Boost, fire alarm, away

Unique energy-saving algorithm

Energy recovered by



Compact design



Easy to install



Smart management



Comfort & Well-being



Energy efficient



EcoDesign compliant



Best quality



## Intelligence that helps you breathe easier

Forget complicated buttons – simply control your OXYGEN heat recovery unit with the smartphone app or a modern, color touchscreen LCD control panel.

## 1 unit = 1 tree



We plant a tree in the OXYGEN forest for every heat recovery unit purchased. We take care of the trees so they take care of fresh air for us.

# X-AIR C250

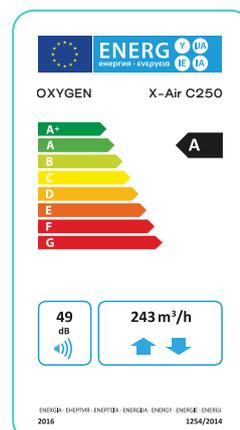
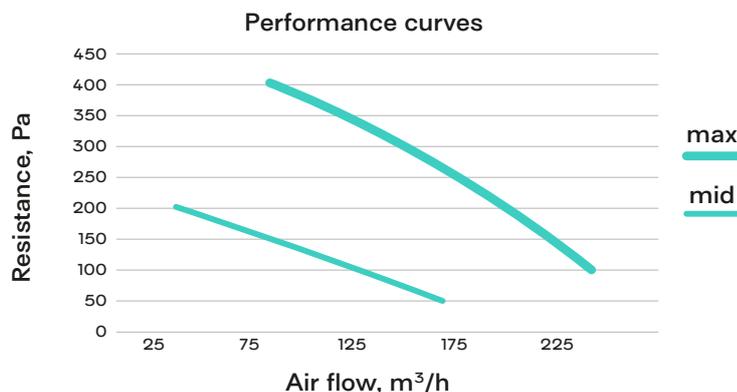
## Technical specification

# OXYGEN

Specific energy consumption (SEC), SEC class		A
Cold climate	kWh/m <sup>2</sup> .a	-84.5
Average climate	kWh/m <sup>2</sup> .a	-41.6
Warm climate	kWh/m <sup>2</sup> .a	-17.0
Declared typology		Bi-directional, residential ventilation
Type of drive installed or intended to be		Variable speed drive
Type of heat recovery system		Recuperative
Thermal efficiency of heat recovery	%	80.3
Maximum flow rate	m <sup>3</sup> /h	243
Electric power input of the fan drive, including	W	106
Sound power level (LWA)	dB	49
Reference flow rate	m <sup>3</sup> /s	0.047
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m <sup>3</sup> /h)	0.25
Control factor		0.65
Control typology		Local demand control
Declared maximum leakage rate:		
Internal	%	2.2
External	%	1.2
The annual electricity consumption (AEC)	kWh/m <sup>2</sup> .a	1.3
The annual heating saved (AHS)		
Cold climate	kWh/m <sup>2</sup> .a	87.9
Average climate	kWh/m <sup>2</sup> .a	44.9
Warm climate	kWh/m <sup>2</sup> .a	20.3
Integrated pre-heater	W	800
Power supply		230V, 50Hz, 5A
Dimensions	mm	1015 x 537 x 272
Weight	kg	25

### Compliance and standards

2009/125/EB: ES 1253/2014, ES 1254/2014, ES 2017/1369, EN 13141-7:2010; 2010/30/ES: ES 1254/2014; 2011/65/ES: EN 50581(2012); 2014/35/ES: EN 60335-1:2012, EN 60335-1:2012/A11:2014.





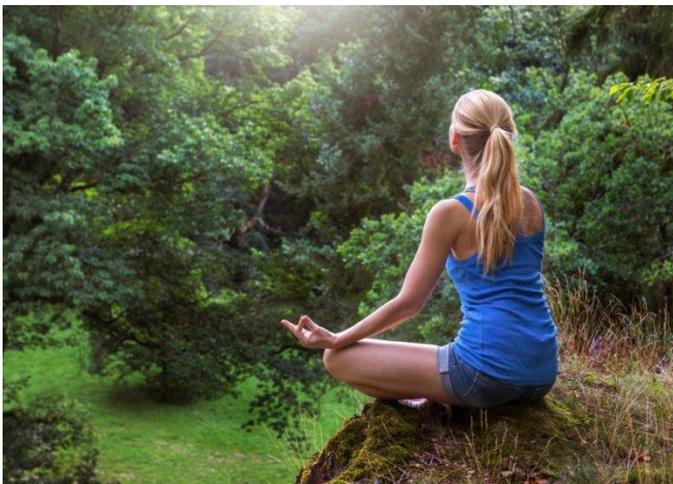
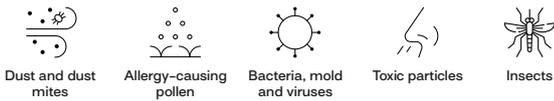
## Heat recovery unit = health

A ventilation unit is an investment in your health. By having a smart ventilation system at home, you can create healthier living conditions. Why is clean air so important for the human body?

## Heat recovery unit can cure diseases

Poor sleep, fatigue or inability to concentrate –these problems are often caused by poor indoor air quality. Ensuring that fresh air is constantly circulating in your home is a big step towards a healthy home microclimate.

Ventilation unit protect against:

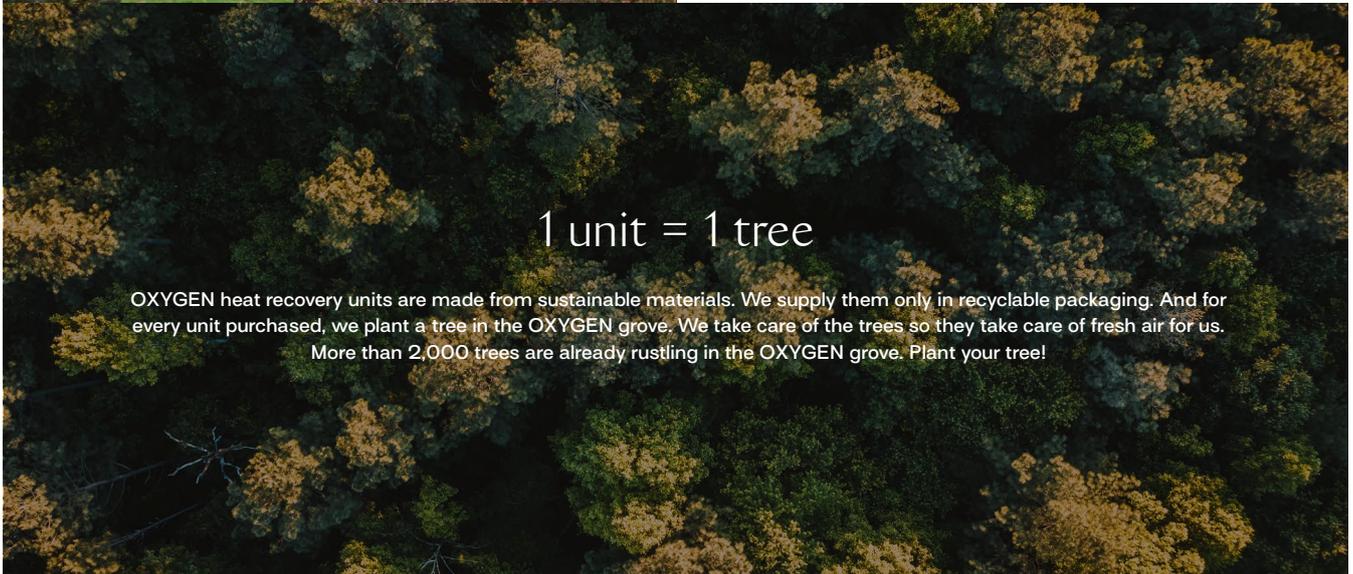


## Sustainability

The European Commission's strategy for sustainable growth – the European Green Deal – envisages energy-efficient and, in the future, passive houses. Perhaps the most important element of such homes is the heat recovery system. A recuperator is a sustainable product that reduces our CO2 footprint while conserving energy. Breathe eco-friendly air.

## 1 unit = 1 tree

OXYGEN heat recovery units are made from sustainable materials. We supply them only in recyclable packaging. And for every unit purchased, we plant a tree in the OXYGEN grove. We take care of the trees so they take care of fresh air for us. More than 2,000 trees are already rustling in the OXYGEN grove. Plant your tree!





## No more headaches for property developers

Developing real estate? Don't get lost in the confusing world of ventilation systems. OXYGEN breaks the established rules, offering simplicity, efficiency and progress. By consulting OXYGEN at the very beginning of your project, you will not only avoid mistakes, but also save money.

The right heat recovery unit will reduce the cost of building insulation and allow you to achieve a higher energy performance class. And a good quality ventilation unit will make a buyer's decision much easier.

## Installers are OXYGEN's true ambassadors

It has never been easier for installers. Installing an OXYGEN heat recovery unit alone is easier and up to 2 times faster. The electric heater, control automation and other necessary components are located inside, so you won't have to spend time installing external accessories and you'll need less space to install the heat recovery unit.

In cooperation with OXYGEN, increase your knowledge and gain practical experience at the X-Air Academy training sessions, where we share best practices, present the latest news from the ventilation world and advise on all ventilation issues.



## Beautiful and easy-to-choose solutions for architects and designers

Follow the example of western markets and choose the most advanced OXYGEN heat recovery units for your projects.

We provide assistance, advice and expert project evaluations. We share supporting CAD, 3D-model and specification files. After all, simplicity and elegance are key.

## For everyone who breathes

OXYGEN solutions are both convenient and easy to understand when choosing, buying or using ventilation equipment. With OXYGEN, it's as easy as breathing.

