

# OXYGEN



Next generation ventilation units  
easy to install, easy to use

JUST LIKE BREATHING

  
MADE IN LITHUANIA

[oxygenvent.com](https://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

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.

Heat and cool recovery

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.

Fresh air and hygiene

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

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

Low costs

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.

High energy efficiency

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

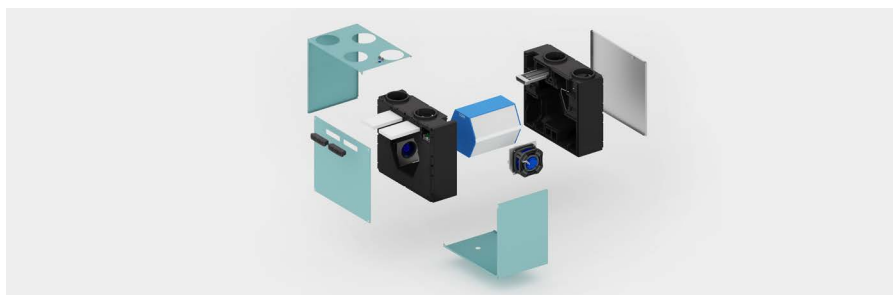
The electric heater, control automation and other necessary components are located inside the unit, eliminating the time and cost of installing external ventilation accessories and reducing the space required to install the heat recovery unit.

## 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 V200

Smart Wall-mounted Heat Recovery Unit

**OXYGEN**

Just like breathing

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



92.8 % heat recovery

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

Easy to replace filters

Cabinet compatible

Non-freezing

100% ByPass

Lightweight & robust

Boost, fire alarm, away

Integrated adaptive pre-heater

Unique energy-saving algorithm

Energy recovered by

**recair**



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.

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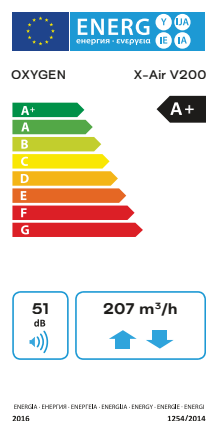


## Technical specification

Specific energy consumption (SEC), SEC class

## Compliance and standards

### Performance curves



oxygenvent.com

# X-AIR V200E

Smart Wall-mounted Heat Recovery Unit **With Enthapy**

# OXYGEN

## Just like breathing

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



86.6 % heat recovery

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

Cabinet compatible

Moisture recovery

Non-freezing

100% ByPass

Lightweight & robust

Boost, fire alarm, away

Integrated adaptive pre-heater

Unique energy-saving algorithm

Energy recovered by

# core



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 V200E

**OXYGEN**

## Technical specification

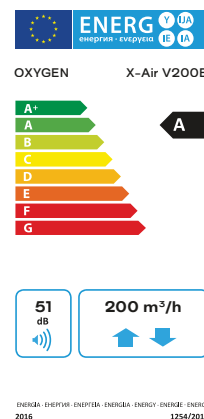
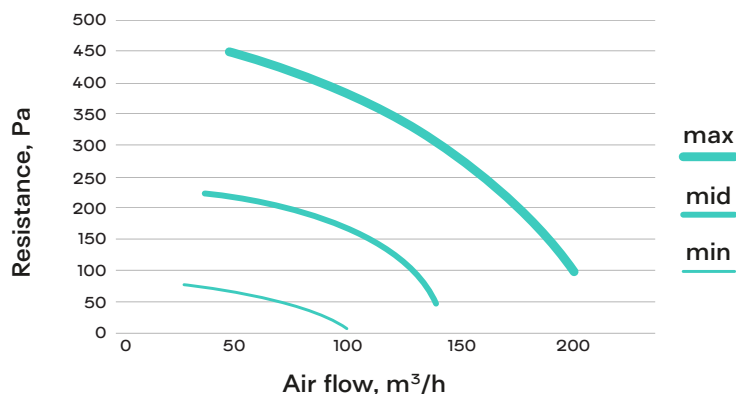
### Specific energy consumption (SEC), SEC class

Cold climate	kWh/m <sup>2</sup> .a	-85.3
Average climate	kWh/m <sup>2</sup> .a	-41.1
Warm climate	kWh/m <sup>2</sup> .a	-15.8
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	%	86.6
Maximum flow rate	m <sup>3</sup> /h	200
Electric power input of the fan drive, including	W	168
Sound power level (LWA)	dB	51
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)	0.39
Control factor	0.65	
Control typology	Local demand control	
Declared maximum leakage rate:		
Internal	%	1.18
External	%	1.14
The annual electricity consumption (AEC)	kWh/100m <sup>2</sup> .a	249
The annual heating saved (AHS)		
Cold climate	kWh/100m <sup>2</sup> .a	9044
Average climate	kWh/100m <sup>2</sup> .a	4623
Warm climate	kWh/100m <sup>2</sup> .a	2090
Integrated adaptive pre-heater	W	800
Power supply	230V, 50Hz, 5A	
Dimensions	mm	598 x 691 x 362
Weight	kg	25
Color	Labanoras Moss	

### Compliance and standards

**2009/125/EB:** ES 1253/2014, ES 1254/2014, ES 1017/1369, 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.

### Performance curves





# X-AIR V400

Smart Wall-mounted Heat Recovery Unit

**OXYGEN**

## Just like breathing

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

86.2 % heat recovery

Suitable up to 200 m<sup>2</sup>

Easy to replace filters

Easy to install

Non-freezing



100% ByPass

Lightweight & robust

Boost, fire alarm, away

Integrated adaptive pre-heater

Unique energy-saving algorithm

Energy recovered by

**recair**



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.

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# X-AIR V400

**OXYGEN**

## Technical specification

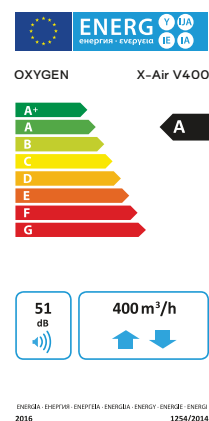
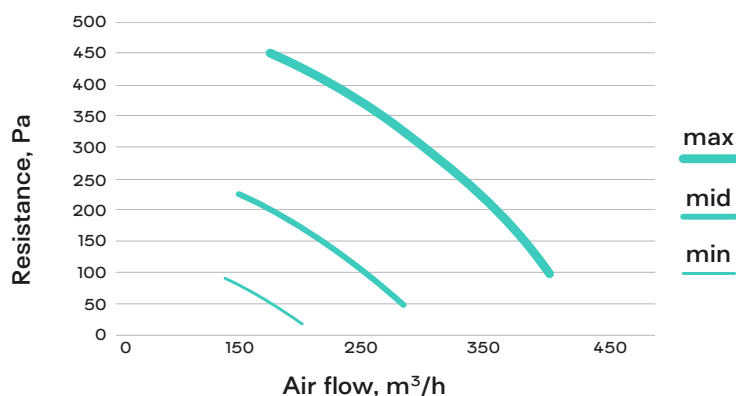
### Specific energy consumption (SEC), SEC class

Cold climate	kWh/m².a	-78.6
Average climate	kWh/m².a	-41.3
Warm climate	kWh/m².a	-17.3
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	%	86.2
Maximum flow rate	m³/h	400
Electric power input of the fan drive, including	W	167
Sound power level (LWA)	dB	51
Reference flow rate	m³/s	0.078
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m³/h)	0.22
Control factor	0.65	
Control typology	Local demand control	
Declared maximum leakage rate:		
Internal	%	1.18
External	%	1.14
The annual electricity consumption (AEC)	kWh/100m².a	120
The annual heating saved (AHS)		
Cold climate	kWh/100m².a	9030
Average climate	kWh/100m².a	4610
Warm climate	kWh/100m².a	2090
Integrated adaptive pre-heater	W	2000
Power supply	230V, 50Hz, 5A	
Dimensions	mm	750 x 679 x 513
Weight	kg	32
Color	Parnidis Dune	

### Compliance and standards

**2009/125/EB:** ES 1253/2014, ES 1254/2014, ES 1017/1369, 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.

### Performance curves



# X-AIR V400E

Smart Wall-mounted Heat Recovery Unit **With Enthapy**

# OXYGEN

## Just like breathing

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



80.5 % heat recovery

Suitable up to 200 m<sup>2</sup>

Easy to replace filters

Moisture recovery

Non-freezing

100% ByPass

Lightweight & robust

Boost, fire alarm, away

Integrated adaptive pre-heater

Unique energy-saving algorithm

Energy recovered by

## core



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



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.

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# X-AIR V400E

**OXYGEN**

## Technical specification

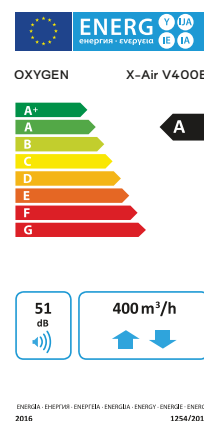
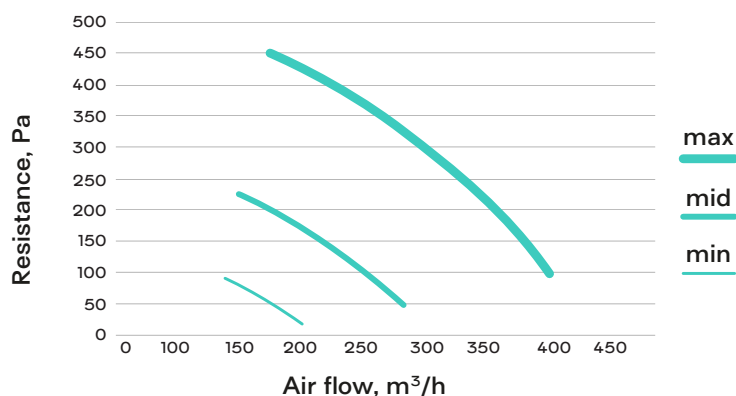
### Specific energy consumption (SEC), SEC class

Cold climate	kWh/m².a	-84.1
Average climate	kWh/m².a	-41.1
Warm climate	kWh/m².a	-16.4
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	%	80.5
Maximum flow rate	m³/h	400
Electric power input of the fan drive, including	W	167
Sound power level (LWA)	dB	51
Reference flow rate	m³/s	0.078
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m³/h)	0.29
Control factor	0.65	
Control typology	Local demand control	
Declared maximum leakage rate:		
Internal	%	0.8
External	%	1.3
The annual electricity consumption (AEC)	kWh/100m².a	201
The annual heating saved (AHS)		
Cold climate	kWh/100m².a	8798
Average climate	kWh/100m².a	4498
Warm climate	kWh/100m².a	2034
Integrated adaptive pre-heater	W	2000
Power supply	230V, 50Hz, 5A	
Dimensions	mm	750 x 679 x 513
Weight	kg	35
Color	Labanoras Moss	

### 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.

### Performance curves



# X-AIR V500

Smart Wall-mounted Heat Recovery Unit

**OXYGEN**

Just like breathing

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



85,6 % heat recovery

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

Easy to replace filters

Easy to install

Non-freezing

100% ByPass

Lightweight & robust

Boost, fire alarm, away

Integrated adaptive pre-heater

Unique energy-saving algorithm

Energy recovered by

**recair**



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.

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# X-AIR V500

**OXYGEN**

## Technical specification

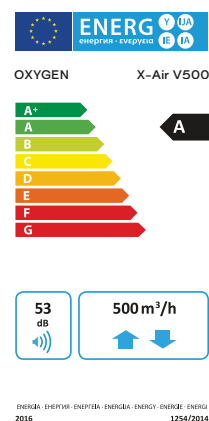
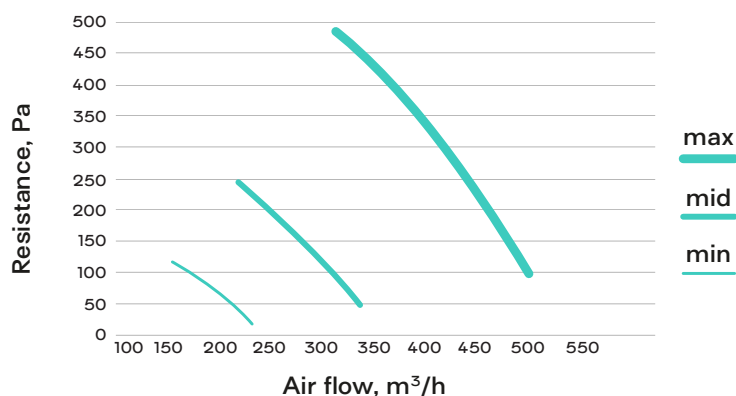
### Specific energy consumption (SEC), SEC class

Cold climate	kWh/m².a	-77.0
Average climate	kWh/m².a	-40.0
Warm climate	kWh/m².a	-16.1
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	%	85.6
Maximum flow rate	m³/h	500
Electric power input of the fan drive, including	W	252
Sound power level (LWA)	dB	53
Reference flow rate	m³/s	0.097
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m³/h)	0.30
Control factor	0.65	
Control typology	Local demand control	
Declared maximum leakage rate:		
Internal	%	1.18
External	%	1.14
The annual electricity consumption (AEC)	kWh/100m².a	160
The annual heating saved (AHS)		
Cold climate	kWh/100m².a	9000
Average climate	kWh/100m².a	4600
Warm climate	kWh/100m².a	2080
Integrated adaptive pre-heater	W	2000
Power supply	230V, 50Hz, 5A	
Dimensions	mm	750 x 679 x 513
Weight	kg	32
Color	Parnidis Dune	

### Compliance and standards

**2009/125/EB:** ES 1253/2014, ES 1254/2014, ES 1017/1369, 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.

### Performance curves



# X-AIR V500E

Smart Wall-mounted Heat Recovery Unit **With Enthalpy**

# OXYGEN

## Just like breathing

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



79,4 % heat recovery

Suitable up to 250 m<sup>2</sup>

Easy to replace filters

Moisture recovery

Non-freezing

100% ByPass

Lightweight & robust

Boost, fire alarm, away

Integrated adaptive pre-heater

Unique energy-saving algorithm

Energy recovered by

core



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



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.

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# X-AIR V500E

**OXYGEN**

## Technical specification

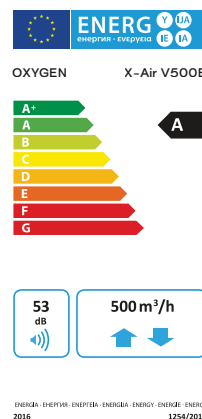
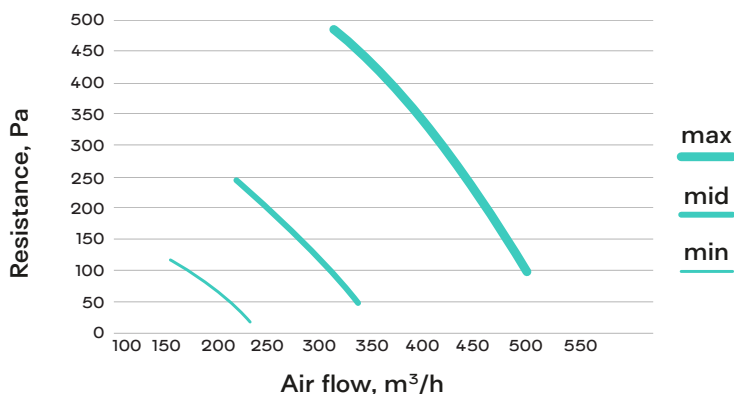
### Specific energy consumption (SEC), SEC class

Cold climate	kWh/m².a	-82.8
Average climate	kWh/m².a	-40.0
Warm climate	kWh/m².a	-15.5
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	%	79.4
Maximum flow rate	m³/h	500
Electric power input of the fan drive, including	W	252
Sound power level (LWA)	dB	53
Reference flow rate	m³/s	0.097
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m³/h)	0.35
Control factor	0.65	
Control typology	Local demand control	
Declared maximum leakage rate:		
Internal	%	0.7
External	%	1.0
The annual electricity consumption (AEC)	kWh/100m².a	233
The annual heating saved (AHS)		
Cold climate	kWh/100m².a	8751
Average climate	kWh/100m².a	4473
Warm climate	kWh/100m².a	2023
Integrated adaptive pre-heater	W	2000
Power supply	230V, 50Hz, 5A	
Dimensions	mm	750 x 679 x 513
Weight	kg	35
Color	Labanoras Moss	

### 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.

### Performance curves



# X-AIR V600

Smart Wall-mounted Heat Recovery Unit

**OXYGEN**

## Just like breathing

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



84,6 % heat recovery

Suitable up to 300 m<sup>2</sup>

Easy to replace filters

Easy to install

Non-freezing

100% ByPass

Lightweight & robust

Boost, fire alarm, away

Integrated adaptive pre-heater

Unique energy-saving algorithm

Energy recovered by

**recair**



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.

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# X-AIR V600

## Technical specification

**OXYGEN**

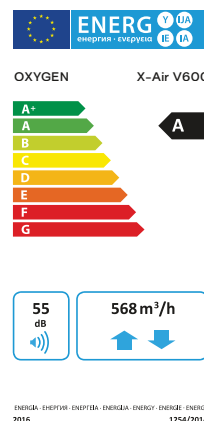
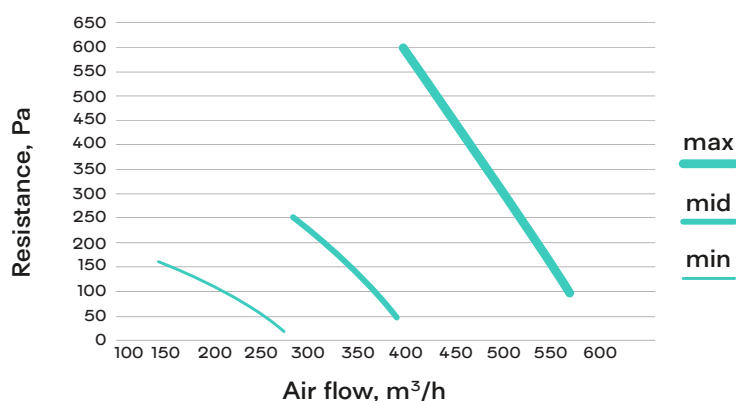
### Specific energy consumption (SEC), SEC class

Cold climate	kWh/m <sup>2</sup> .a	-75.3
Average climate	kWh/m <sup>2</sup> .a	-38.5
Warm climate	kWh/m <sup>2</sup> .a	-14.8
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	%	84.6
Maximum flow rate	m <sup>3</sup> /h	568
Electric power input of the fan drive, including	W	340
Sound power level (LWA)	dB	55
Reference flow rate	m <sup>3</sup> /s	0.117
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m <sup>3</sup> /h)	0.39
Control factor	0.65	
Control typology	Local demand control	
Declared maximum leakage rate:		
Internal	%	1.18
External	%	1.14
The annual electricity consumption (AEC)	kWh/100m <sup>2</sup> .a	210
The annual heating saved (AHS)		
Cold climate	kWh/100m <sup>2</sup> .a	8960
Average climate	kWh/100m <sup>2</sup> .a	4580
Warm climate	kWh/100m <sup>2</sup> .a	2070
Power supply	230V, 50Hz, 5A	
Dimensions	mm	750 x 679 x 513
Weight	kg	32
Color	Parnidis Dune	

### 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.

Performance curves







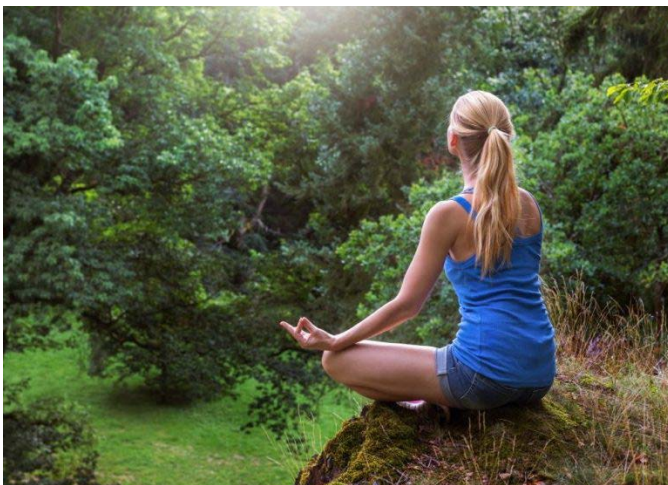
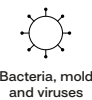
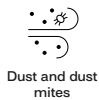
## Heat recovery unit = health

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:

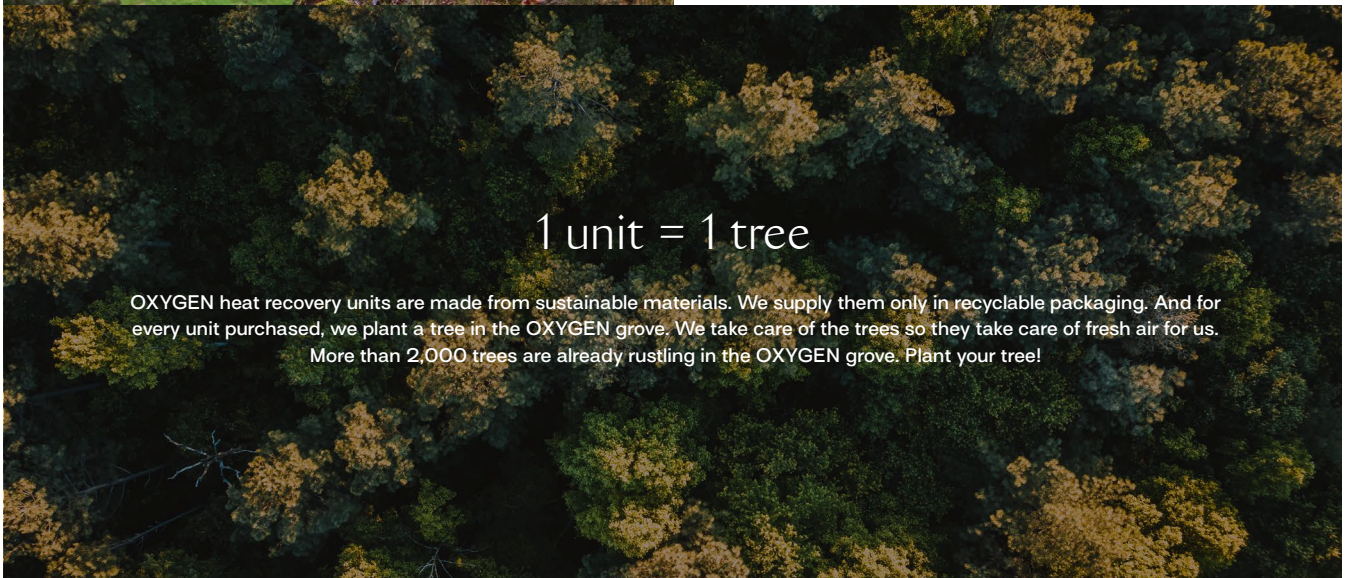


## Sustainability

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.





The contents of this catalog are subjected to change without prior notice. Every possible effort has been made to ensure that the data herein is correct. However, OXYGEN group cannot assume any liability for any direct, in director consequential damages arising from the use of the information specified here.

OXY 1/23/EN