

[www.enervent.fi](http://www.enervent.fi)



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**enervent**<sup>®</sup>

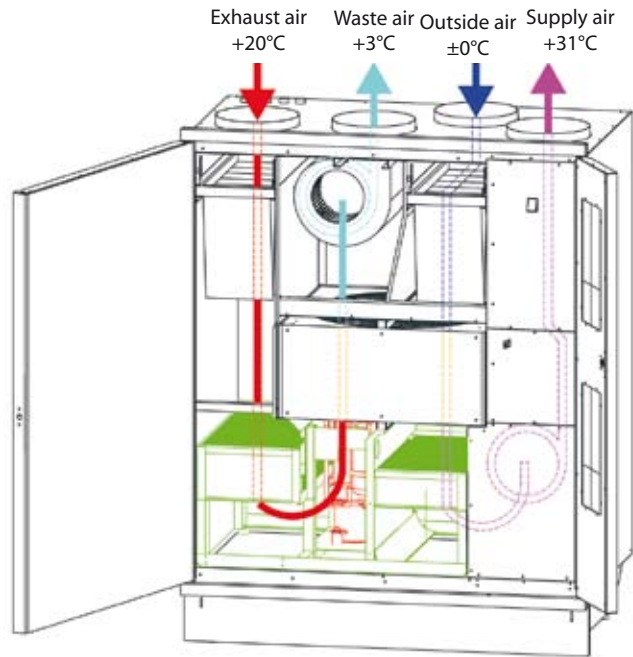
**Enervent PRO greenair HP<sup>™</sup>**  
**All in one**



# Enervent PRO greenair HP™

## PRO greenair HP operating principal in winter

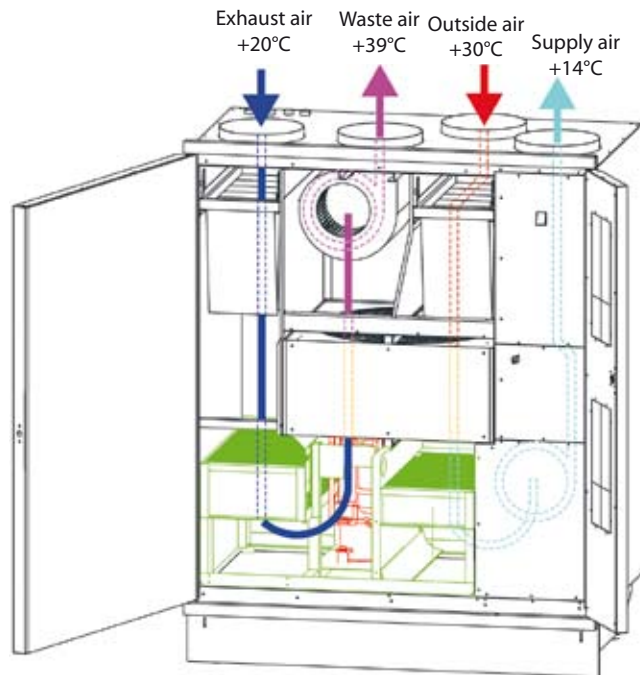
We have launched a versatile energy recovery device which ventilates, heats and cools down your house in an environmentally friendly way and saves substantially in your energy costs. Enervent PRO Greenair HP is the only ventilation unit with an integrated heat pump, especially created to suit the northern climates. A substantial save in energy costs stems from the product's basic concept of recovering heat from the outgoing air by using a heat pump and a rotating heat exchanger. The heat pump uses the warm exhaust air instead of the cold outside air as starting point when heating the supply air. This technical solution guarantees PRO Greenair HP unique heat recovery efficiency and substantial energy efficiency. PRO Greenair HP exceeds the authorities norms of heat recovery over twice the limit. Investing in PRO Greenair HP pays itself back in decreased energy bills.



## Substantial savings in heating costs with added user comfort

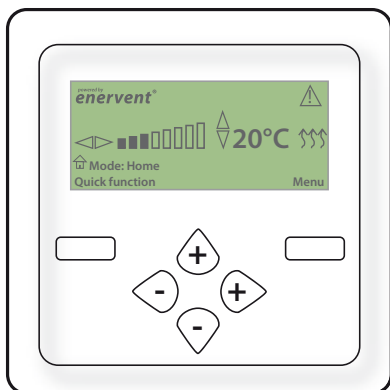
Enervent PRO greenair HP guarantees you fresh and healthy indoor air very easily. You can now have energy efficient additional heating during winter and cooling on hot summer days all with one unit.

## PRO greenair HP operating principal in summer



## Simple and user friendly control system

The EDA-control system include among others the following express functions: eight fan speeds, stepless control of the heat exchanger, weekly timer, humidity intensifier, fireplace function and cooling control as well as carbon dioxide control.



EDA control panel

### Energy saving example

#### Low energy family house in Helsinki, 200 m<sup>2</sup> on one level

Type of heat recovery	Heat loss through house shell	Heat loss through ventilation	Total	Difference to greenair HP
Plate exchanger	11 603 kWh	8 503 kWh	20 111 kWh	+ 72 %
Rotating exchanger	11 603 kWh	4 698 kWh	16 301 kWh	+ 39 %
PRO greenair HP™	11 603 kWh	1 180 kWh	11 711 kWh	-

900 euros

## Greenair HP is suitable for apartments and single family houses

Installation of the unit is easy. It suits both new and renovation building projects. Because there aren't separate outside units that disfigure the front of the building, the unit can be used in building projects where front regulations impose restrictions. The capacity of Enervent PRO greenair HP is sufficient for 0 - 1 030 m<sup>3</sup> which equals about 400 m<sup>2</sup> of living space. The unit is easy to install in the technical space of a one-family house or in the residential scullery. Healthy and correct tempered air is distributed evenly to the whole living space along the ventilation ducts and separate heat pump fan units are not needed.



## Engineering expertise and experience guarantee high quality

When you invest in housing appliances, you probably want high quality, long age, easy usability and energy saving. Behind the PRO greenair HP innovation are our experienced engineers who have expert knowledge of energy efficient ventilation. Enervent has manufactured energy recovery units in Finland for over a quarter of century. During this time we have become one of the biggest manufacturers in our field in Finland. Constant product development guarantees that we are able to offer our customers functioning and energy friendly options. We take advantage of the long experience and knowledge in the field especially in low energy- and passive house construction in collaboration with domestic house factories and constructors.

### Other greenair-units

*Enervent manufactures a wide range of ventilation units. All our units are equipped with a rotating heat exchanger, which has a Class A heat recovery efficiency. For more information, please visit our website [www.enervent.fi](http://www.enervent.fi).*

#### Enervent greenair eco-series:

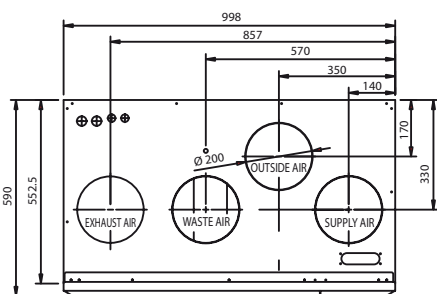
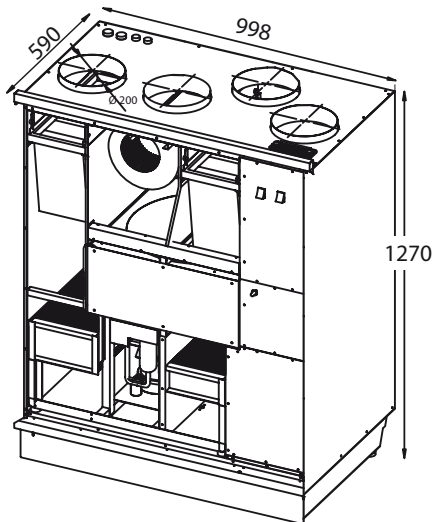
Piccolo eco	+74 / -74 l/s
Plaza eco	+74 / -74 l/s
Pingvin eco	+87 / -95 l/s
Pandion eco	+140 / -140 l/s
Pelican eco	+170 / -180 l/s
Pelican eco HP	+160 / -173 l/s
Pegasos eco	+310 / -310 l/s
LTR-3 eco	+110 / -110 l/s
LTR-6-190 eco	+190 / -190 l/s
LTR-7 eco	+340 / -360 l/s

## ENERGY OPTIMIZER

Energy counting software on [www.enervent.fi](http://www.enervent.fi).  
Helps you find the most energy efficient ventilation solution for your home.  
The result can be printed.

**...one world  
to save!**

## Measurements



## Pelican PRO Greenair HP™

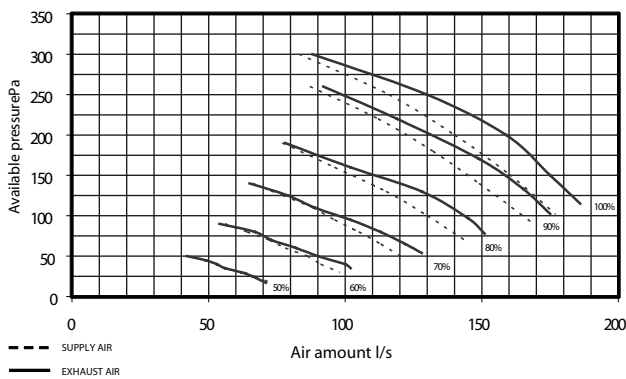
**PRO**  
greenair  
HP



Air amount Pelican eco PRO greenair HP	+160 / -173 l/s
Air amount Pelican PRO greenair HP	+180 / -195 l/s
Space Pelican eco PRO greenair HP	0 - 958 m <sup>3</sup>
Space Pelican PRO greenair HP	0 - 1 080 m <sup>3</sup>
Fans Pelican eco PRO greenair HP	170 / 170 W
Fans Pelican PRO greenair HP	300 / 300 W
Current	230 V / 50 Hz 1~
Fuse	16 A quick
Over heating protection	yes
Duct connections	Ø 200 mm
Weight	150 kg
Filter (standard)	F5
Alternative	F7
Heat pump COP	up to 7,8
Heat pump refrigerant	R407C
Compressor nominal output	1,5 kW

## Characteristic curves

Characteristic curves for Pelican PRO greenair HP™ with EU5 filters



**Reseller:**

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