

powered by
enervent®



***Enervent greenair vertical
ventilation units
15 - 390 l/s***



The rotating heat exchanger - a brilliant invention

The product concept of Enervent greenair-series is based on a rotating heat exchanger. Enervent greenair ventilation unit's warm outgoing air is led through a rotating regenerative heat exchanger and heat is reserved in it. When the heat exchanger is rotating the warm mass moves to the side of the incoming air and warms up the outside air efficiently by giving up the heat from its mass. The annual heat recovery efficiency of the rotating heat exchanger can be up to 80 %, which is multiple compared to traditional plate heat exchangers.

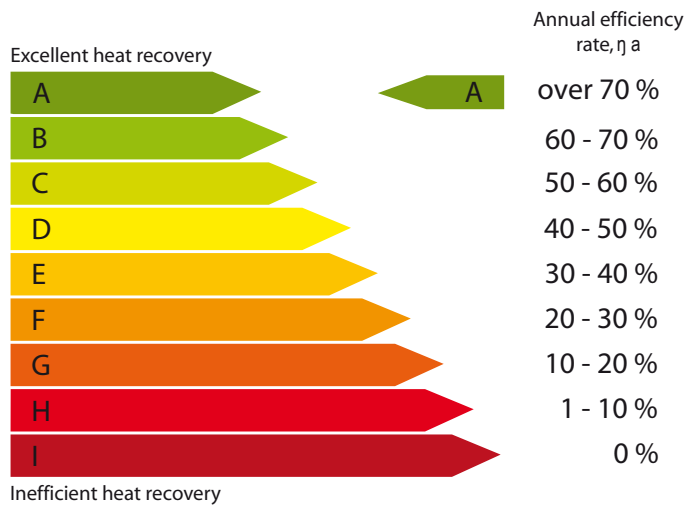


Healthy indoor air increases your well-being

Today people spend much of their life indoors. It is therefore important to take care of the quality and freshness of inside air. With the energy friendly ventilation units in our series, the used inside air can be removed and changed into fresh, filtered, pre-warmed or cooled outside air. Our units have a unique wintertime humidity recovery with high efficiency that prevents excessive drying of the inside air. Our units have been installed for example in hospitals where the importance of healthy inside air is vital.

Class A heat recovery

ANNUAL EFFICIENCY OF HEAT RECOVERY FROM EXHAUST AIR, η_a

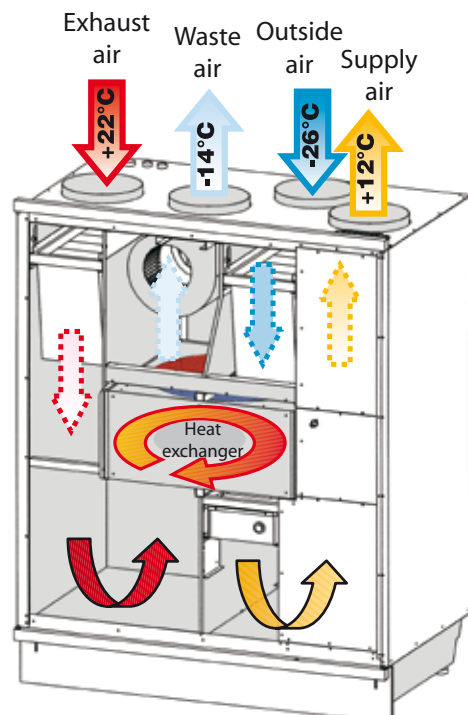


Enervent LTR-3-eco ED certificated in January 2009

CG Cooling Geo - cost effective cooling of the supply air

You get a virtually free cooling of the supply air by using the ground heat pump fluid as refrigerant. The coolness is stored in the drilled well or in the berock. Using CG Cooling Geo you get an ecological cooling without unnecessary energy consumption. In addition the heat leaving the house is stored in the well or in the bedrock, which improves the ground heat pump efficiency in heating mode.

The rotating heat exchanger operating principal

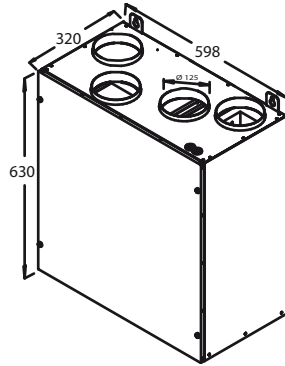
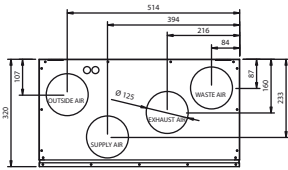


Greenair Plaza

Air amount Plaza eco	+74 / -74 l/s	
Space Plaza eco	0 - 410 m ³	
Fans Plaza eco	119 / 119 W	
Current	230 V ~ / 50 Hz	
Fuse quick	10 A	
Over heating protection	yes	
Duct connections	Ø 125 mm	
Weight	45 kg	
Filter (standard)	F7 / F5	
Electrical after heater		



Plaza is manufactured both left and right handed

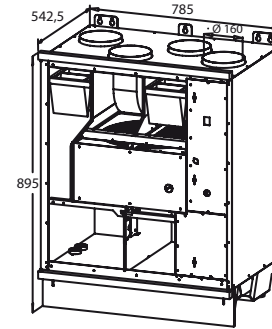
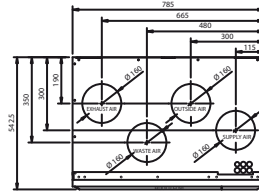


Greenair Pandion

Air amount Pandion eco	+140 / -140 l/s	
Space Pandion eco	0 - 775 m ³ /h	
Fans Pandion eco	200 / 200 W	
Current	230 V ~ / 50 Hz	
Fuse quick	10 A	
Over heating protection	yes	
Duct connections	Ø 160 mm	
Weight	90 kg	
Filter (standard)	F5	
Alternative filters	F7	

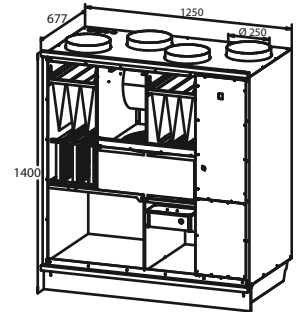
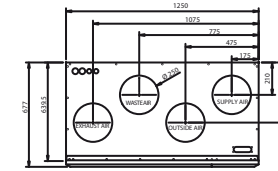


After heating with electrical or water coil



Greenair Pegasos

Air amount Pegasos eco	+310 / -310 l/s	
Air amount Pegasos XL	+390 / -390 l/s	
Space Pegasos eco	0 - 1 716 m ³	
Space Pegasos XL	0 - 2 050 m ³	
Fans Pegasos eco	520 W	
Fans Pegasos XL	810 / 810 W	
Current EC, EDW / 50 Hz	230 V ~ / 400 V 3~	
Current ECE, EDE / 50 Hz	10 A quick	
Fuse EC, EDW	3 x 16 A quick	
Fuse ECE, EDE	yes	
Over heating protection		

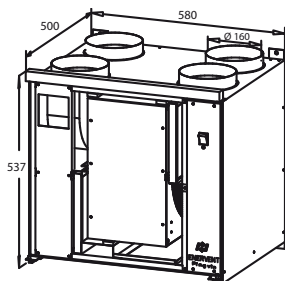
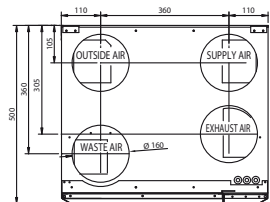


ENERGY OPTIMIZER

Energy counting software on www.enervent.fi.
Helps you find the most energy efficient ventilation solution for your home. The result can be printed.

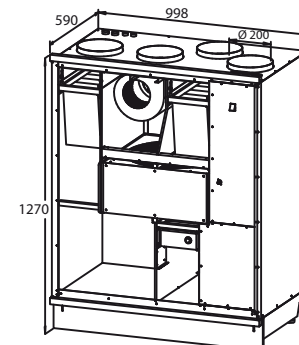
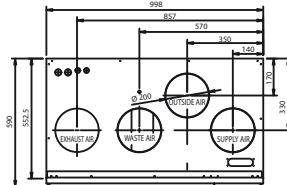
Greenair Pingvin

Air amount Pingvin eco	+87 / -95 l/s	
Air amount Pingvin 85	+65 / -72 l/s	
Air amount Pingvin 120	+87 / -95 l/s	
Space Pingvin (eco)	0 - 526 m ³	
Fans Pingvin eco	119 W	
Fans Pingvin 85	130 / 130 W	
Fans Pingvin 120	185 / 185 W	
Current	230 V ~ / 50 Hz	
Fuse quick	10 A	



Greenair Pelican

Air amount Pelican eco	+170 / -180 l/s	
Air amount Pelican	+190 / -205 l/s	
Space Pelican eco	0 - 996 m ³	
Space Pelican	0 - 1 138 m ³	
Fans Pelican eco	170 W	
Fans Pelican	300 / 300 W	
Current	230 V ~ / 50 Hz	
Fuse EC, EDW quick	16 A quick	
Fuse ECE, EDE	yes	
Over heating protection	yes	
Duct connections	Ø 200	



Enervent greenair vertical ventilation units

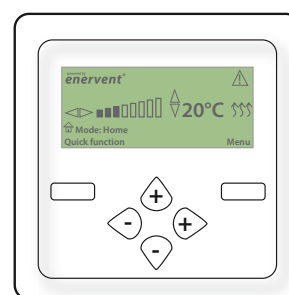
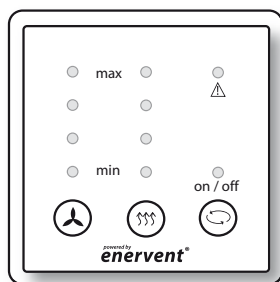
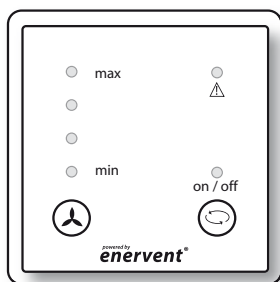
All units in the Enervent greenair series are energy efficient with an annual heat recovery rate up to 80 %. They are ready to install on delivery and they suit detached houses, apartments and offices. The units are manufactured in white painted sheet metal with the duct connections on top of the unit.

...one world to save!

User-friendly control for effortless ventilation

User-friendly control is available to all units in the Enervent greenair series. There are two options: The EEC-control and the more diverse Enervent Digital Automation (EDA). The EEC-control includes four fan speeds, the heat exchanger's on/off switch, control of optional electric afterheater, maintenance notification and over pressure function (required push button is extra equipment).

EDA is Enervent's and maybe even the market's most advantaged and broadest control system. The countless functions of the control are easily accessible to the user with the help of clear menus in the control panel and many express functions. The EDA-control system includes the following functions among others: eight speeds for alternating current fans, stepless control of direct current fans, stepless control of the heat exchanger, weekly timer, a humidity booster, over pressure function and carbon dioxide control.



The most important features of EEC-control are:
 Four fan speeds.
 Control of optional electric afterheater in four steps 17-21 °C.
 Heat recovery on/off.
 Maintenance light, which reminds of changing the filter and possible problems.
 Potential free contacts for external control

The most important features of EDA-control are:
 • Eight speeds for alternating current fans, stepless control direct current fans
 • Stepless 0-10V control of heat exchanger
 • Humidity and carbon dioxide boosting. Carbon dioxide sensors are extra equipment.
 • Wintertime humidity recovery.
 • Summer night cooling and cooling recovery.
 • A and B alarms.
 • Weekly and annual timer.
 • Modbus RTU as standard



Enervent greenair-units are easy to install

All Enervent greenair units are ready for installation when they leave the factory. The LTR units can be installed in a warm space or with additional insulation even in a cold space, ie. on the attic. These units are virtually noiseless. All serviceable components are fastened with bayonett sockets for easy maintenance and cleaning.

There is a ventilation unit suiting your home in the wide Enervent greenair range

All our units are developed for use all year round. Whether you need a small or big unit, our wide range offers you a more energy efficient alternative. There are several models available in the Enervent greenair series of horizontal units. Your ventilation planner will choose the most suitable and energy efficient unit for you.

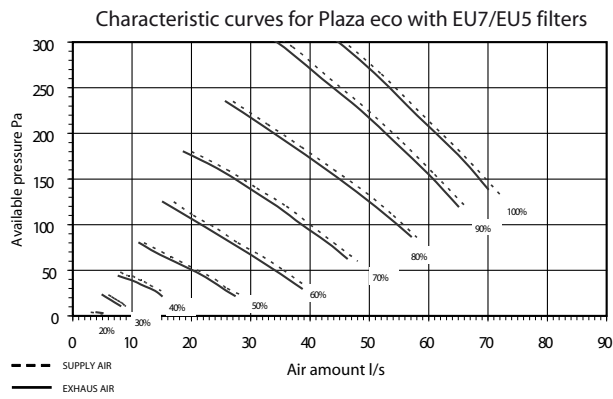
The heat recovery rate of Enervent greenair eco series is up to 80 %!

Enervent greenair eco-series:

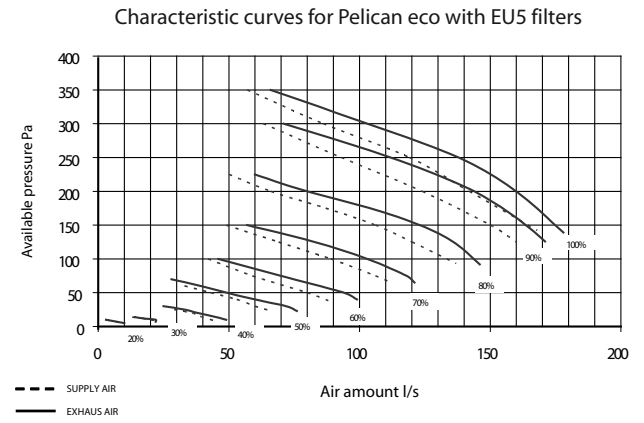
All Enervent greenair units are manufactured with energy efficient "eco" direct current fans. DC fans consume less energy than alternating current fans and therefore they save even more in energy costs.

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

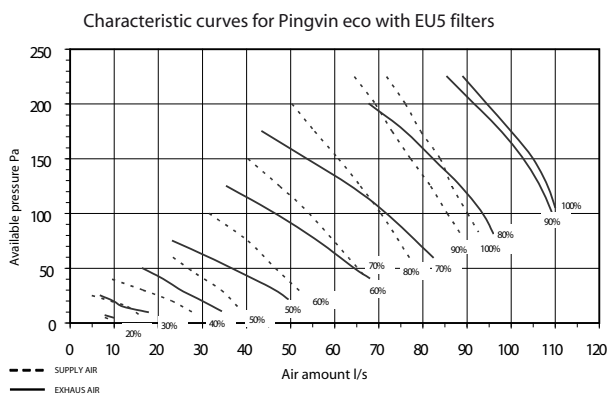
Greenair Plaza



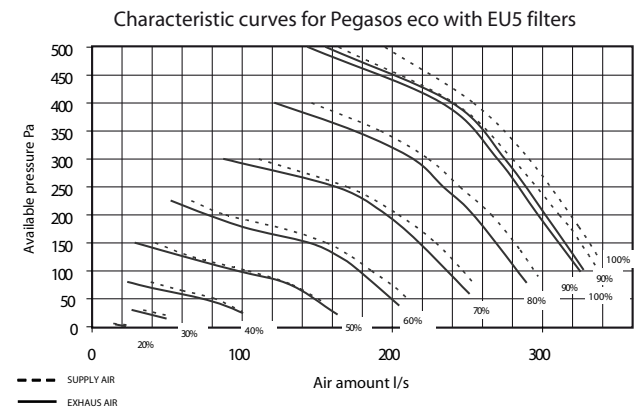
Greenair Pelican



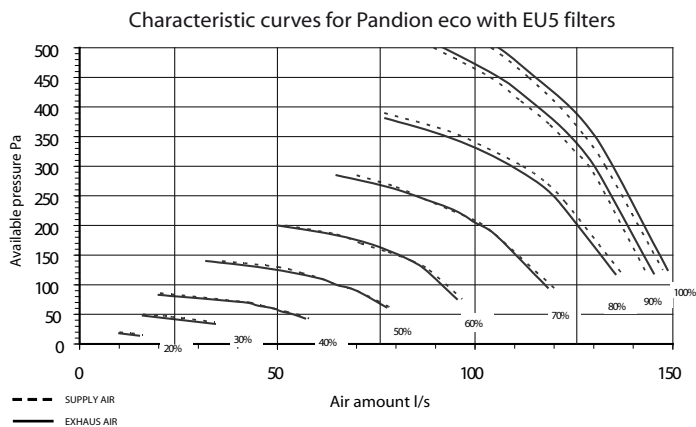
Greenair Pingvin



Greenair Pegasos



Greenair Pandion



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