

**Auer**

becomes

 **intuis**

MORE COMFORT, LESS ENERGY.



OUR  
THERMODYNAMIC  
WATER HEATERS



# OUR THERMODYNAMIC WATER HEATERS

Our range of thermodynamic water heaters combines practicality, financial savings, and an environmental commitment.

- Lightweight and compact appliances that are easy to install and can be adapted to suit the configuration of your home.
- Energy savings of up to 75% compared to a conventional water heater.
- A limited environmental impact thanks to a product that uses R290 refrigerant.

## Product plus points

The Edel AIR and Edel WATER ranges are 100% compatible with **self-consumption solar photovoltaic** systems.

- When photovoltaic energy is generated regularly, the system operates solely using the heat pump.
- During a peak in photovoltaic production, the system is operated via the heat pump and the electric back-up, which allows thermal energy storage.

A **low-carbon** solution that requires the installation of roof-mounted solar panels.

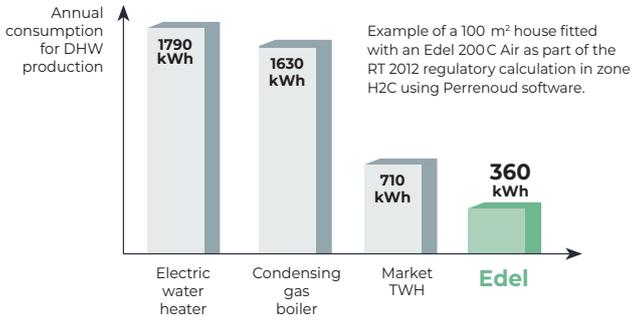
You'll also love our **solar**-compatible solution, the **Edel AIR 270 DE**, which is fitted with an exchanger allowing it to be connected to a solar panel system.

## Selection guide

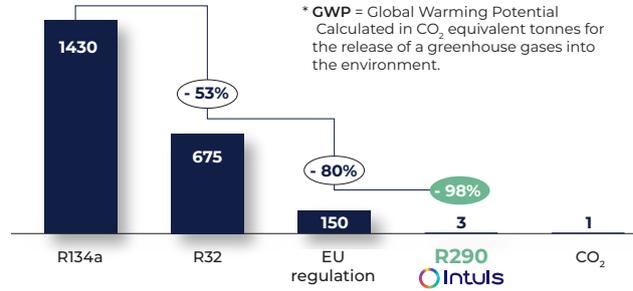
				
	<b>Cylia</b>	<b>Edel AIR</b>		
Nominal capacity (L)	250 L	100 L	150 L	200 L
Installation	<b>Floor</b>	<b>Wall</b>	<b>Wall</b>	<b>Floor</b>
Number of people recommended	6 people	3 people	4 people	5 people
Quantity of water at 40 °C (L)	321 L	142 L	199 L	247 L
Energy rating ErP (From A+ to F)	<b>A+</b>	<b>A</b>	<b>A+</b>	<b>A+</b>
Performance rating*	<b>3,2</b>	<b>2,38</b>	<b>2,5</b>	<b>3,19</b>
DHW seasonal energy efficiency	133 %	99 %	104 %	132 %
Extraction source	Surrounding air / under rafters	Outside air via balanced flue		Outside air / surrounding air
Type of tank	enamelled	enamelled	enamelled	Stainless steel
Element type	Copper reinforced	Titanium reinforced	Titanium reinforced	Titanium reinforced
Back-up type	Electric	Electric	Electric	Electric
Photovoltaic compatible	-	✓	✓	✓
Part number	<b>353601</b>	<b>353210</b>	<b>353211</b>	<b>353420</b>

\*The performance ratings mentioned are not all calculated on the same base temperature.

### An economical water heater



### Environmental impact of refrigerant gases (GWP\*)



R134a is the most widely used refrigerant on the market, and its environmental impact is almost **500 times greater** than that of R290, an HFC-free refrigerant that is not subject to European F-GAS regulations, which require a GWP\* of less than 150. R290's index of 3 illustrates its low environmental impact.



Edel WATER	
270 L	270 L + exchanger
<b>Floor</b>	<b>Floor</b>
6 people	6 people
349 L	335 L
<b>A+</b>	<b>A+</b>
<b>3,14</b>	<b>3</b>
130 %	125 %
Outside air / surrounding air	Outside air / surrounding air
Stainless steel	Stainless steel
Titanium reinforced	Titanium reinforced
Electric	Electric, boiler, or solar
✓	✓
<b>353430</b>	<b>353431</b>

Edel WATER		
150 L	200 L	270 L
<b>Wall</b>	<b>Floor</b>	<b>Floor</b>
4 people	5 people	6 people
198 L	253 L	343 L
<b>A+</b>	<b>A+</b>	<b>A+</b>
<b>3,8</b>	<b>4,17</b>	<b>4,26</b>
155 %	179 %	179 %
	Floor/ceiling	
Enamelled	Stainless steel	Stainless steel
Titanium reinforced	Titanium reinforced	Titanium reinforced
Electric	Electric	Electric
✓	✓	✓
<b>352231</b>	<b>352421</b>	<b>352431</b>

# CYLIA 250

Bespoke comfort,  
swift installation,  
and user-friendly control.



\* More information on pages 12-13



## ADVANTAGES FOR PROFESSIONAL



### Design

- An enamelled steel tank protected by a magnesium galvanic anode.
- The Cylia 250L is installed on the floor and can be ducted under the rafters if required.



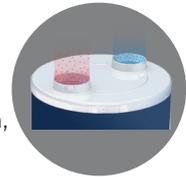
### Use

- No work is required on the refrigerant circuit, and there's no need for air ducting - a simple DHW electrical connection is all that's needed.
- As easy to install as an electric water heater.



### Performance

- Equipped with an high ratio rotary compressor.
- Installed in a heated, frost-free room, the Cylia recovers free calories from the air to provide low-cost domestic hot water.



## BENEFITS FOR YOUR CUSTOMERS



### Design

- Designed and manufactured in France at our Feuquières-en-Vimeu factory, the Cylia is **Origine France Garantie certified.**
- Cylia's integrated heat pump allows the appliance to recover surplus heat from an unheated space to produce domestic hot water.



### Use

- With easy installation, it's perfect to replace an existing water heater as part of a renovation project and can cover all the hot water needs of a family of 6<sup>(2)</sup>.



### Performance

- Cylia improves your home's energy rating.



### Comfort & durability

- Easy to use thanks to the user-friendly touchscreen interface that lets you set the water heater to the desired temperature and manage hot water quantity.



### Environment

- The R290 used in our TWH is a non-fluorinated gas low environmental impact (GWP=3).



### Savings

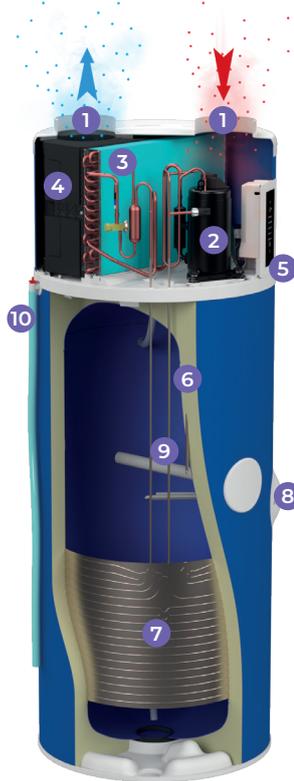
- Cylia reduces electricity consumption for domestic hot water. A family with 2 children consuming an average of 200L/d can make savings of up to €450/YEAR<sup>(3)</sup>.
- Installing the Cylia thermodynamic water heater means reducing the power on the meter.
- Eligible for government aid.

(1) Concerns the 100% aluminium micro-channel eHD exchanger and the low fluid load R290.

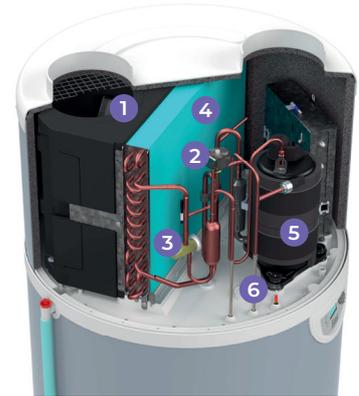
(2) Depends on usage/habits.

(3) With an electric tank with a performance coefficient of 1 and a kWh rate of 0.18 cents, the bill would come to €687/year. The Cylia has a performance coefficient of 3.2, so annual consumption is  $Q/3.2=1193\text{kWh/year}$  or €214/year, which equates to savings of around €473/year. Say goodbye to over-consuming water heaters!

## Cylia 250



- 1 Inlet and outlet nozzles 160 mm  $\phi$
- 2 High-efficiency rotary compressor
- 3 Finned battery with high recovery capacity
- 4 Ventilation chamber designed for optimum air flow
- 5 Simple, user-friendly control system. Chic touchscreen
- 6 High thermal resistivity insulation injected directly around the tank. No thermal bridge
- 7 Patented micro-channel exchanger for unparalleled heat exchange
- 8 Electrical copper back-up
- 9 Magnesium galvanic anode
- 10 Condensation extraction



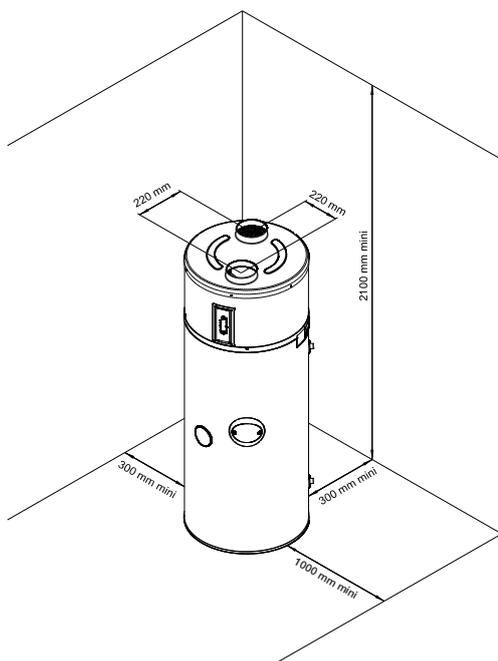
- 1 Fan
- 2 Defrost valve
- 3 Pressure reducer
- 4 Evaporator
- 5 Compressor
- 6 Access to the condenser

### Product plus points

#### Simple, user-friendly control

You can choose the best mode (TURBO, COMFORT, ECO, or HOLIDAY) to suit your preferences.

The integrated 'day/night' option allows you to operate your water heater during off-peak hours.



### Installation recommendations

To ensure the normal running of your thermodynamic water heater and facilitate maintenance work, it is important to respect certain guidelines.

#### Important instructions:

- If you do not intend to use a cover, install the appliance indoors in an unheated room of at least 20 m<sup>3</sup>.
- Isolate the water heater from adjacent heated rooms.
- Install the thermodynamic water heater on a surface capable of withstanding the load when the tank is full (approx. 335 kg).

You'll find all the recommendations in our guide.

# EDEL AIR

The high-performance solution that adapts to all configurations for unbeatable comfort.



\*Applies to Edel Air 150, 200 and 270L. More information on pages 12-13.



## ADVANTAGES FOR PROFESSIONAL CUSTOMERS



### Design

- The Edel AIR offers a wide range of options for air connections to **the outside air** via a concentric flue or double duct, or to the **surrounding air** in an unheated space.
- The Edel 200 and 270 are supplied with a carrying bag for easy transport of the TWH to its place of installation.



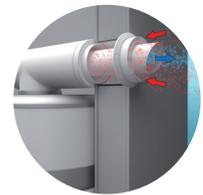
### Use

- The 'single-block' design makes it easy to install in your home.



### Performance

- COP up to 3.19 at +7 °C/55 °C
- For the wall-mountable versions, a connection to the outdoor air via a concentric flue with patented technology facilitates installation with a single 125 mm hole and ensures optimum sealing for your home; a discreet and highly practical solution.
- The new robust rotary compressor provides discretion and high energy efficiency.



### Savings

- Edel AIR consumes just 250W on average, which means less power and a lower energy bill.

## BENEFITS FOR YOUR CUSTOMERS



### Design

- An extensive range: 100L and 150L wall-mounted or tripod-mounted options with enamelled steel and protection ensured by a magnesium galvanic anode to prevent corrosion. 200L and 270L self-protected stainless steel floor options.
- Designed and manufactured in France at our factory in Feuquières-en-Vimeu, Edel AIR appliances are **Origine France Garantie certified**.



### Usage

- Suitable for both new-build housing and renovation projects, it covers all your hot water needs ensuring utmost comfort.



### Performance

- The Edel operates in thermodynamic mode over a very wide temperature range (down to -7°C) while continuing to recover free calories from the outside air.



### Convenience & reliability

- Easy to use thanks to the user-friendly control system that allows you to set the water heater to your desired temperature.



### Environment

- The R290 used in our TWH is a non-fluorinated gas low environmental impact (GWP=3).



### Savings

- Edel AIR is a 2-in-1 solution that is 100% compatible with a photovoltaic system, enabling further energy savings.
- It is eligible for government aid.
- Edel AIR consumes up to 4 times less<sup>(2)</sup> than a conventional electric water heater.

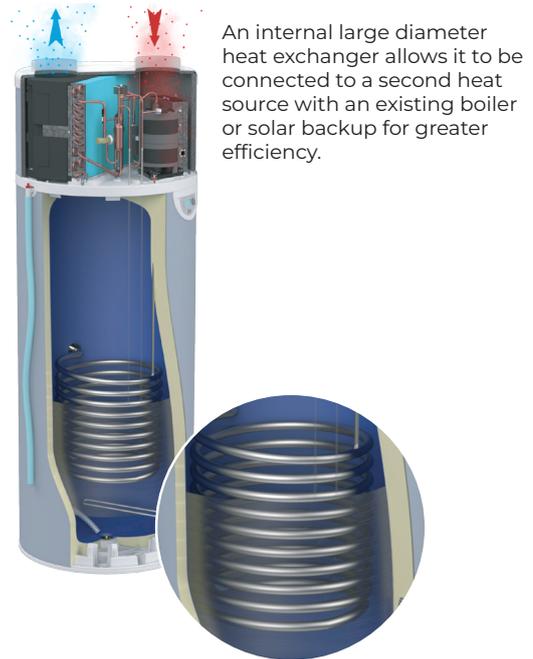
(1) Concerns the eHD 100% aluminium micro-channel exchanger, the balanced flue for the Edel AIR 100L and 150L wall-mounted models, and the R290 low fluid load.  
 (2) For 7°C outside air.

## Edel AIR wall-mounted enamelled steel tank



- 1 Concentric flue - 125/80 mm  $\varnothing$  with patented technology
- 2 Latest reciprocating compressor with very low noise emissions
- 3 High energy recovery finned battery
- 4 Ventilation chamber for silent, maximised air diffusion
- 5 Acoustic insulation for unbeatable silence
- 6 Simple, user-friendly control system
- 7 High thermal resistivity insulation injected directly around the tank. No thermal bridge
- 8 Patented micro-channel exchanger for unparalleled heat exchange
- 9 Titanium electric back-up
- 10 Outlet
- 11 Inlet

## Edel AIR 270L floor with heat exchanger

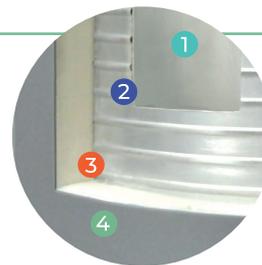


An internal large diameter heat exchanger allows it to be connected to a second heat source with an existing boiler or solar backup for greater efficiency.

### Product + plus points

#### Patented aluminium micro-channel exchanger

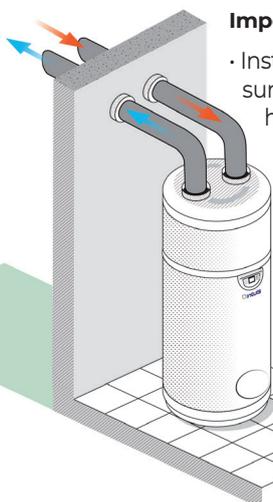
In perfect contact with the tank, it enables even greater savings thanks to optimised heat transfer to the water. Heat loss from the tank is limited thanks to insulation made from high-performance materials.



- 1 Stainless steel tank (200 & 270 L)
- 2 Patented e-HD micro-channel exchanger
- 3 Insulating foam
- 4 Protective casing

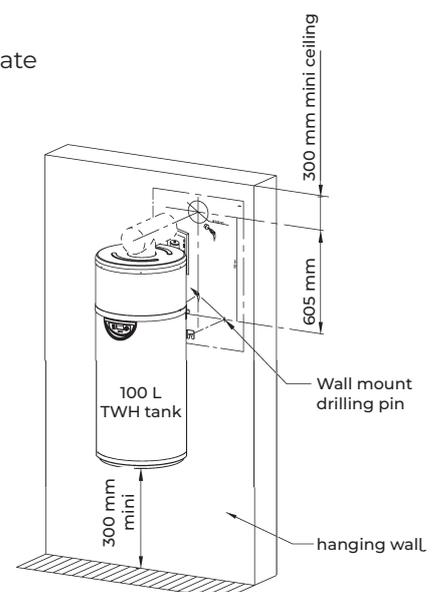
## Installation recommendations

To ensure the normal running of your thermodynamic water heater and facilitate maintenance work, it is important to respect certain guidelines.



#### Important instructions:

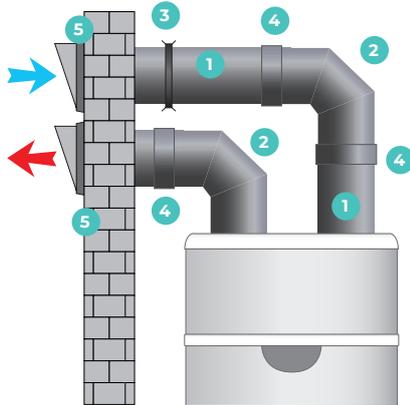
- Install thermodynamic water heaters running on surrounding air indoors in an unheated space away from heated adjoining rooms. In this case, a minimum volume of 20 m<sup>3</sup> is also necessary.
- In the case of an installation in the centre of the home or in the living area with air ducts, sound insulation will be required for the walls adjacent to the thermodynamic water heater (does not concern surrounding air thermodynamic water heaters).
- Install it away from bedrooms to ensure minimal noise disturbance.
- Set up the thermodynamic water heater on a surface capable of withstanding the load of a full tank (up to 335 kg).
- Respect the minimum distances around the appliance to ensure it runs correctly.



You'll find all our recommendations in our guide.

# EDEL AIR

## Accessories and connections



### Edel AIR Floor Accessories

Product name	Ref.
1 Insulated semi-rigid duct 160 ø int. length 2 m	730011
2 Insulated 90° elbow 160 ø int.	730012
3 Wall mounting brackets - set of 2 - 160 ø int.	730013
4 Assembly connector for insulated duct - set of 2 - 160 ø int.	730014
5 Horizontal stainless steel flue for insulated duct	730015
6 Flexible silencer - 160 ø int. F/F	730050

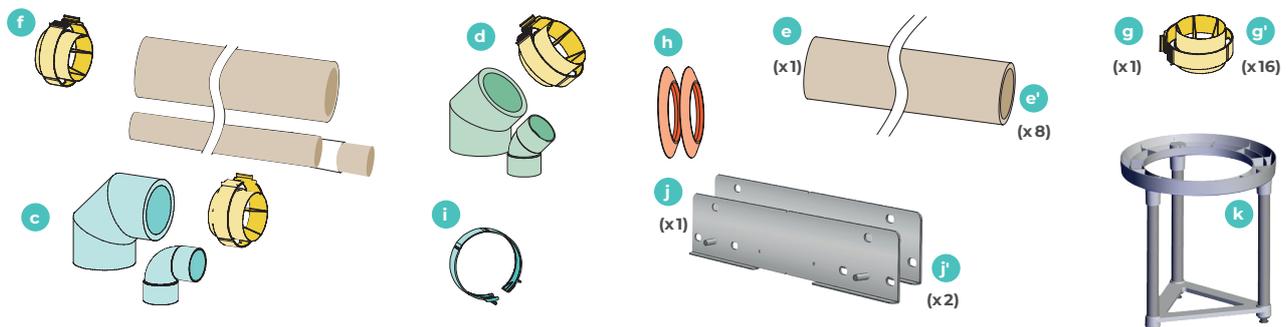
Please note: 3 adjustable feet supplied as standard (from 0 to 25 mm)



### Accessories for wall-mounted EdEL AIR

Product name	Qty	Ref.
<b>a</b> 80/125 ø insulated flue		
1 - PVC elbow 80 ø - M/F	6 - insulated extension 125 ø, l 150 mm	
2 - 125 ø sleeve	7 - pipe cover plate	
3 - flexible duct 80 ø	8 - clamp (x2)	1 730072
4 - half tee 125 ø (x2)	9 - flue nose	
5 - tee cap	10 - external seal	
▲ Pipe - 80 ø and 125 ø (sold separately) required for connection.		
<b>b</b> Insulated flue - 80/125 > 150 mm ø		
1 - PVC elbow 80 ø - M/F	6 - insulated extension 125 ø, length 850 mm	
2 - sleeve 125 ø	7 - pipe cover plate	
3 - flexible duct 80 ø	8 - clamp (x2)	1 730073
4 - half tee 125 ø (x2)	9 - flue nose	
5 - tee cap	10 - external seal	
▲ Pipe - 80 ø and 125 ø (sold separately) required for connection.		
<b>c</b> Insulated 90° elbow 80/125 ø		
- insulated elbow 125 ø		1 730067
- assembly connector		
- PVC elbow 80 ø - F/F		
<b>d</b> Insulated 45° elbow 80/125 ø		
- insulated elbow 125 ø		1 730045
- assembly connector		
- PVC elbow 80 ø - F/F		
<b>e</b> 1 insulated extension 125 ø int. length 2 m	1	730001
<b>e'</b> 8 insulated extensions 125 ø int. length 2 m	8	730002

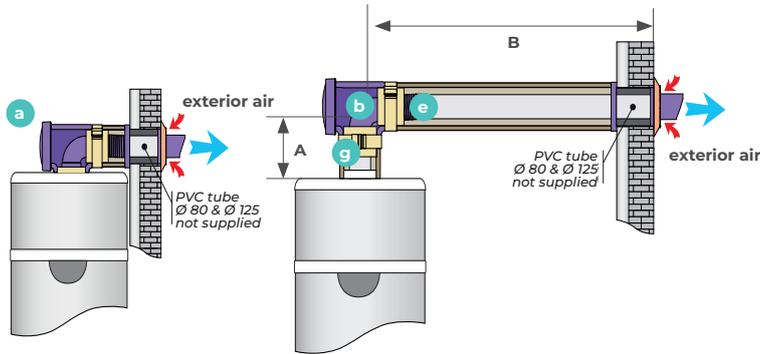
Product name	Qty	Ref.
<b>f</b> Insulated extension 80/125 ø length 2 m 1 25 ø		
- insulated extension		
- PVC pipe - 80 ø	1	730064
- assembly connector for insulated duct - 125 ø		
- PVC assembly connector - 80 ø		
<b>g</b> 1 assembly connector for insulated duct - 125 ø	1	730044
<b>g'</b> 16 assembly connectors for insulated duct - 125 ø	16	730069
<b>h</b> 2 Wall seals - 80 ø	2	730006
<b>i</b> 1 wall mounting bracket - 125 ø	1	730066
<b>j</b> 1 wall mounting plate (for Edel 100)	1	730017
<b>j'</b> Wall mounting plate (for Edel 150)	2	730018
<b>k</b> Adjustable tripod for thermodynamic water heater - 100/150 L PEJ 120 and Onix 100/150L	1	730016
PVC pipe - 80 ø (central pipe)		Contact your distributor
PVC pipe - 125 ø (wall feed-through)		Contact your distributor
<b>l</b> Vertical flue - 1 m 80/125 ø (see next page)		
- vertical flue		
- 25 to 50° seal	1	710167
- sealing plate		
- clamp		
<b>m</b> Flue - 80 ø (see next page)		included
<b>n</b> PVC connector - 80 ø F/F		Contact your distributor
<b>o</b> PVC elbow - 80 ø F/F		Contact your distributor
<b>e</b> 1 insulated extension - 125 ø int. length 2 m	1	730001
<b>e'</b> 8 insulated extensions 125 ø int. length 2 m	8	730002



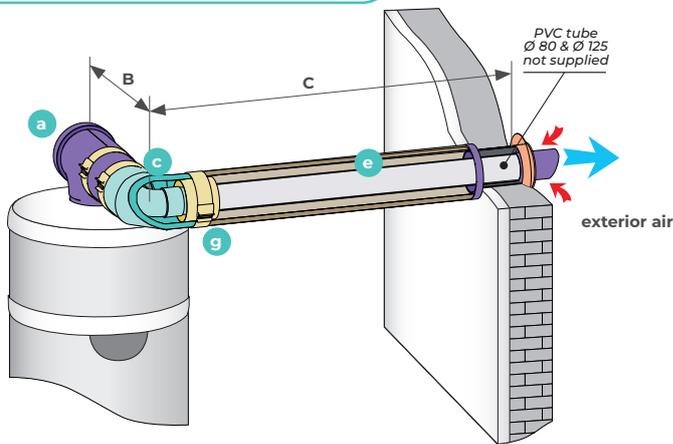
# EDEL AIR

## Connection configurations

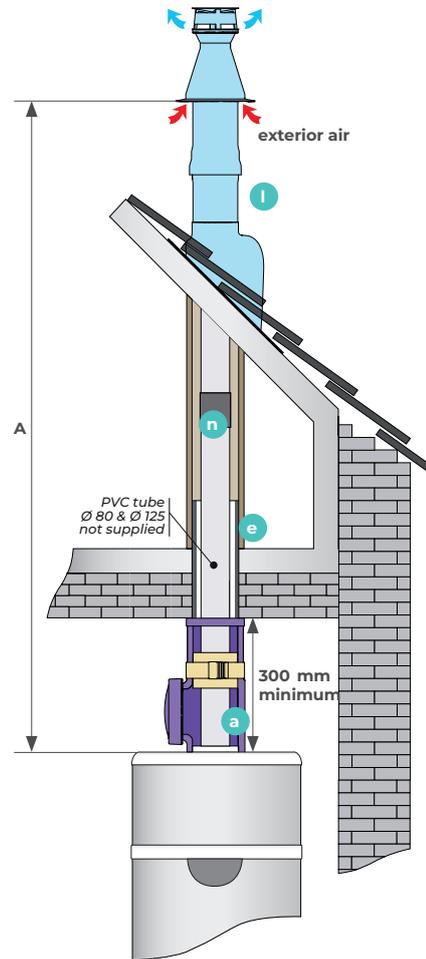
### Horizontal flue



**A + B + C = 5 m max.**  
(remove 1 linear metre for each 90° elbow)

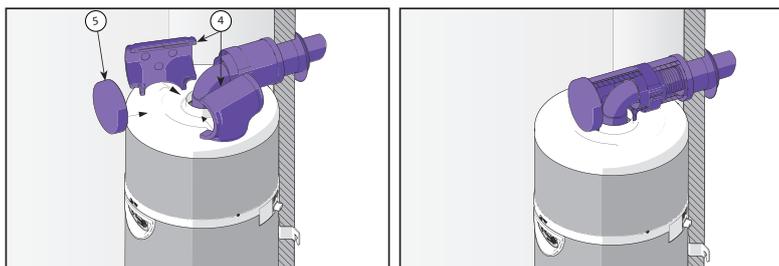
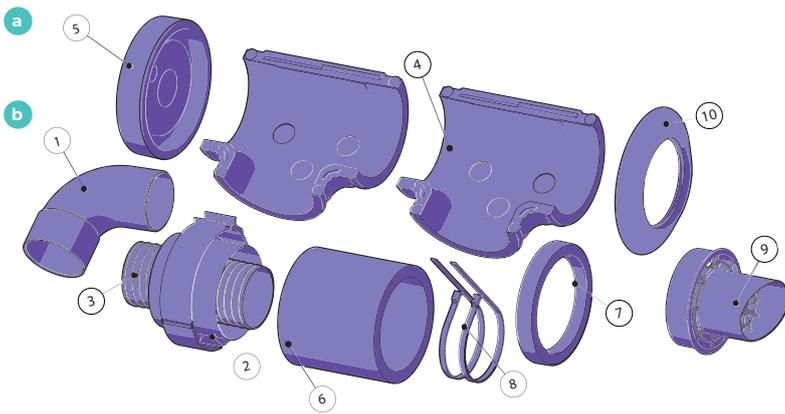
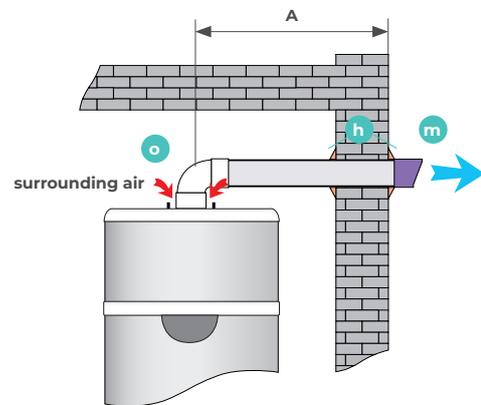


### Vertical flue



### Mixed connection

Surrounding air intake  
Outside air outlet



# EDEL WATER

Innovation and exceptional performance all year round. As an added bonus, our water loop solution provides a cooling effect in summer.



\*More information pages 12-13



## ADVANTAGES FOR PROFESSIONAL CUSTOMERS



### Design

- Edel WATER boasts unique technology and is the only thermodynamic water heater on a floor/ceiling heating water loop.



### Use

- Very compact, it is easy to install throughout the house. No air connections are required, a simple hydraulic connection on the heating circuit return is enough.



### Performance

- The integrated heat pump extracts calories from the water as it returns to the underfloor or ceiling heating system, cooling the space in summer. Edel WATER uses the **energy stored at a low temperature** in the hydraulic floor plate to produce domestic hot water in a very economical way.

- Unbeatable COP up to 4.26 according to the NF 16147 standard.
- The coaxial heat exchanger is robust and therefore allows better longevity.
- The eHD exchanger is an anti-scale innovation in the tank that increases the longevity of the water heater and maintains performance over time.
- The high-efficiency compressor is fitted on anti-vibration pads for even less noise disturbance.



### Comfort & durability

- Installation and maintenance are simple (bypass module included), sediment filtering is done via decantation.



### Environment

- The R290 used in our thermodynamic water heaters is a non-fluorinated gas that complies with F-GAS, enabling us to reduce the environmental impact of our products.

## BENEFITS FOR YOUR CUSTOMERS



### Design

- Product available in wall-mountable (150 L) and floor (200 L and 270 L) versions.
- Designed and manufactured in France at our factory in Feuquières-en-Vimeu, Edel WATER appliances are **Origine France Garantie certified**.



### Usage

- Edel WATER is suitable for both new-build housing and renovation projects and covers all your hot water needs ensuring utmost comfort.



### Convenience & reliability

- The 4 operating modes make it possible to manage domestic hot water production as effectively as possible.
- Comfortable temperatures even in summer; the free heat drawn from the underfloor heating system is returned to the domestic hot water reserve, all while cooling the home.
- Noise levels comparable to that of a fridge with a sound level of 44 dB(A)<sup>(2)</sup>.



### Savings

- As a 100% renewable energy solution, Edel WATER is compatible with a photovoltaic system. With a self-consumption system, the production of renewable electricity feeds the resistance and allows you to save even more on your electricity bill.

(1) Concerns the 100% aluminium micro-channel eHD exchanger and the low fluid load R290.  
 (2) Standard value measured in the lab.

## Edel WATER stainless steel floor tank



- 1 Coaxial exchanger
- 2 Rotary compressor
- 3 Soundproofing for the lowest possible noise levels
- 4 Simple, user-friendly control system
- 5 High thermal resistivity insulation injected directly around the tank. No thermal bridge
- 6 Patented micro-channel exchanger for unparalleled heat exchange
- 7 Titanium electric heater easily accessible

### Product + plus points

#### Rotary compressor

It guarantees efficiency and a better performance coefficient, providing you with **energy savings**.

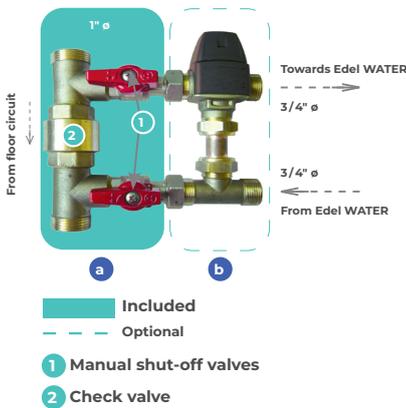
Finally, the robust design makes it a durable and reliable product.

#### Stainless steel tank

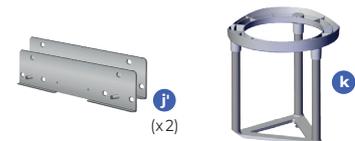
It is corrosion-resistant, unfailing, and self-protecting. It doesn't require an anode, which means less maintenance.

What's more, the tank's insulation greatly reduces heat loss.

## Edel WATER accessories



Product name	Qty	Item
a Bypass module	1	included
b Primary circuit mixing valve > 35 °C for bypass module	1	730010
j 2 Wall mounting plates (for Edel 150 L)	2	730018
k Tripod - height adjustable from 30 to 50 cm	1	730016
3/4" filter valve	1	710124

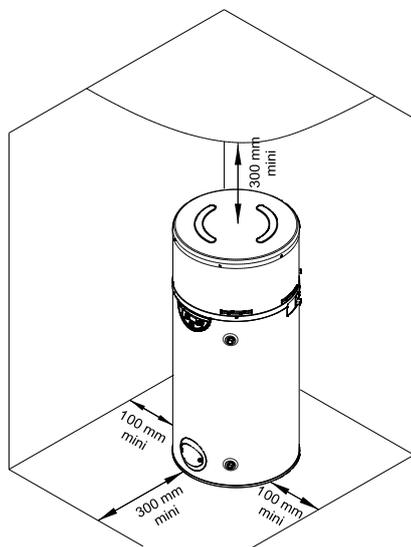
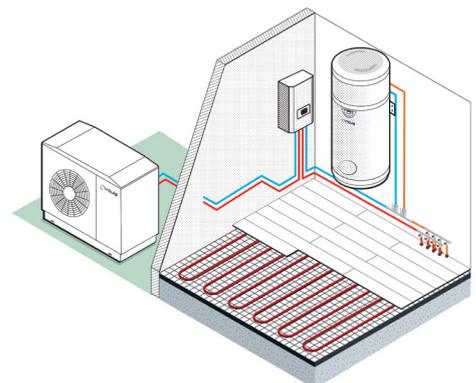


## Installation recommendations

To ensure the normal running of the thermodynamic water heater and facilitate maintenance work, it is important to respect certain guidelines

#### Important instructions:

- Ensure a minimum floor space of
  - 60 m<sup>2</sup> for the 150 L,
  - 90 m<sup>2</sup> for the 200 L,
  - 100 m<sup>2</sup> for the 270 L.
- Install it away from bedrooms to ensure minimal noise disturbance.
- Install the thermodynamic water heater on a surface capable of withstanding the load when the tank is full (up to 324 kg).



**You'll find all the recommendations in our guide.**

# TECHNICAL SPECIFICATIONS

Cylia



Edel AIR 100



Edel AIR 150



Edel AIR 200 D/2



Edel AIR 270 D/2



SKU	353601		353210	353211	353420	353430
Nominal volume	L	250	100	150	200	270
<b>HEAT PUMP PERFORMANCE</b>						
Maximum power (heat pump* + back-up)	W	1900	1350	1350	1900	1900
Air temperature range	°C	+5 to +35 °C	-7 to 35	-7 to 35	-7 to 45	-7 to 45
DHW temperature* with heat pump	°C	30 to 60 °C	30 to 55 °C	30 to 55 °C	30 to 60 °C	30 to 60 °C
Maximum power absorbed by the heat pump*	W	700	350	350	700	700
Air flow rate	m³/h	350	90 to 160	90 to 160	320 to 400	320 to 400
Interior sound level**	dB(A)	56	41	41	50	50
Quantity of R290 refrigerant	- / kg	0,15	0,1	0,1	0,15	0,15
Global warming potential	kg	0,45	0,3	0,3	0,45	0,45
Hydraulic connection type	-	Surrounding air or under rafters	Outside air / surrounding air / balanced flue		Outside air or surrounding air	Outside air or surrounding air
<b>DATABASE OF STANDARDS (EN 16147)</b>						
Energy rating (From A+ to F)	-	A+	A	A+	A+	A+
Seasonal energy efficiency	-	133%	99%	104%	132%	130%
NF performance grade	-	No	Yes	Yes	Yes	Yes
Draw pattern	-	L	M	M	L	L
COP*(outdoor air +7 °C)	-	-	2,38	2,5	3,19	3,14
COP*(surrounding air +15 °C)	-	3,2	2,7	2,89	3,37	3,47
Operating reserve OR	w	32	16	17	23	25
Reference hot water temperature	°C	53,8	53,6	53,5	54,2	53,8
Heating time	h.Min	8h00	6h48	9h37	7h04	10h15
V40	L	321	141,7	198,8	247,4	349,3
<b>DIMENSIONS AND CONNECTIONS</b>						
Dimensions (øxH)	mm	630 ø x H1721	ø520xH1290	ø520xH1660	ø630xH1460	ø630xH1780
Net weight	kg	82	47	57,5	55	63
Air Connection diameter (inlet/outlet)	mm	-	125/80	125/80	160	160
Max. air duct length	m	-	5 m	5 m	6 m flexible 12 m smooth	6 m flexible 12 m smooth
DCW* and DHW* connection diameter	inch	M3/4"	M3/4"	M3/4"	M3/4"	M3/4"
Power supply	V-Hz	230V-50HZ	230V-50HZ	230V-50HZ	230V-50HZ	230V-50HZ
Protection rating	-	IPX1	IPX4	IPX4	IPX4	IPX4
Circuit breaker (D Curve)	A	8	6	6	8	8
<b>TANK</b>						
Type of tank	-	Enamelled steel	Enamelled steel	Enamelled steel	Stainless steel	Stainless steel
Anti-corrosion protection	-	Magnesium anode	Magnesium anode	Magnesium anode	-	-
Maximum operating pressure	MPa	0.6 (6 bar)	0.6 (6 bar)	0.6 (6 bar)	0.6 (6 bar)	0.6 (6 bar)
Max. condensation flow	L/h	0.6 (6 bar)	0,12	0,12	0,3	0,3
Integrated electric back-up power	W	1200	1000	1000	1200	1200
Max. temperature with electric back-up	°C	60	65	65	65	65
Max. anti-legionella temperature	°C	-	70	70	70	70

\*DHW: Domestic hot water - DCW: Domestic cold water - HP: Heat pump - COP: Performance coefficient. \*\* Acoustic performance tested according to EN ISO

Edel AIR 270 DE/2  
with heat exchanger



353431
265
1900
-7 to 45
30 to 60 °C
700
320 to 400
50
0,15
0,45
Outside air or surrounding air
A+
125%
Yes
L
3
3,23
27
53,7
9h26
334,5
ø630xH1780
68
160
6 m flexible 12 m smooth
M3/4"
230V-50HZ
IPX4
8
Stainless steel
-
0.6 (6 bar)
0,3
1200
65
70

Edel WATER 150/3 Edel WATER 200/3 Edel WATER 270/3



SKU		352231	352421	352431
<b>Nominal volume</b>	L	150	200	270
<b>HEAT PUMP PERFORMANCE</b>				
<b>Maximum power (heat pump* + back-up)</b>	W	1400	1600	1600
<b>Water temperature range</b>	°C	18 to 50	18 to 50	18 to 50
<b>DHW temperature* with heat pump</b>	°C	30 to 60 °C	30 to 60 °C	30 to 60 °C
<b>Maximum power absorbed by the heat pump*</b>	W	400	400	400
<b>Water outflow</b>	l/h	250	250	250
<b>Interior sound level**</b>	dB(A)	44	44	44
<b>Quantity of R290 refrigerant</b>	- / kg	0,1	0,11	0,11
<b>Global warming potential</b>	kg	0,3	0,33	0,33
<b>Hydraulic connection type</b>	-	Underfloor heating		
<b>DATABASE OF STANDARDS (EN 16147)</b>				
<b>Energy rating (From A+ to F)</b>	-	A+	A+	A+
<b>seasonal energy efficiency</b>	-	155%	179%	179%
<b>NF performance grade</b>	-	Yes	Yes	Yes
<b>Draw pattern</b>	-	M	M	L
<b>Performance coefficient*(water +25 °C)</b>	-	3,8	4,17	4,26
-	-	-	-	-
<b>Operating reserve OR</b>	W	16	17	24
<b>Reference hot water temperature</b>	°C	54,8	54,1	54,7
<b>Heating time</b>	h.Min	6 hrs	7h24	10h29
<b>V40</b>	L	198,3	253	343
<b>DIMENSIONS AND CONNECTIONS</b>				
<b>Dimensions (øxH)</b>	mm	ø520xH1618	ø630xH1410	ø630xH1730
<b>Net weight</b>	kg	57,5	46	54
<b>Hydraulic connection diameter</b>	-	F 3/8"	F 3/8"	F 3/8"
<b>DCW* and DHW* connection diameter</b>	inch	M3/4"	M3/4"	M3/4"
<b>Power supply</b>	V-Hz	230V-50HZ	230V-50HZ	230V-50HZ
<b>Protection rating</b>	-	IPX1	IPX1	IPX1
<b>Circuit breaker (D Curve)</b>	A	6	8	8
<b>TANK</b>				
<b>Type of tank</b>	-	Enamelled steel	Stainless steel	Stainless steel
<b>Anti-corrosion protection</b>	-	Magnesium anode	-	-
<b>Maximum operating pressure</b>	MPa	0.6 (6 bar)	0.6 (6 bar)	0.6 (6 bar)
-	-	-	-	-
<b>Integrated electric back-up power</b>	W	1000	1200	1200
<b>Max. temperature with electric back-up</b>	°C	65	65	65
<b>Max. anti-legionella temperature</b>	°C	65	65	65







MORE COMFORT, LESS ENERGY.

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