

# EDEL

A groundbreaking range of heat pump water heaters



THE SERENITY OF AN ECO-FRIENDLY  
COMFORT ADDED TO A MORE ACCESSIBLE



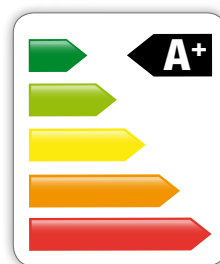
Up to **80%**

**ENERGY SAVING**

for domestic hot water

Air source or underfloor heating return  
flow connection

Complete range of 80, 100,  
150, 200 and 270L models



AEROTHERMY



HOT WATER

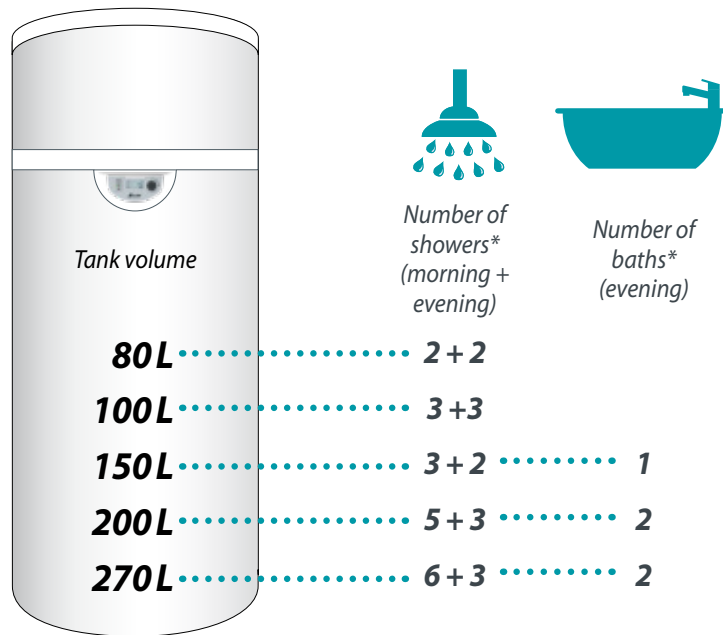


French  
MANUFACTURER

[www.auer.fr](http://www.auer.fr)

# SIZE YOUR HEAT PUMP WATER HEATER PROPERLY

If the capacity of your water heater is optimal for your home, you'll consume less energy. At AUER, we offer a wide range of products to ensure that we can meet your needs efficiently and guarantee you savings.



\* Indicative data in addition to household uses, based on typical normative hot water draw. To maximise Edel's performances, it is important to not connect it to the contactor peak / off-peak times



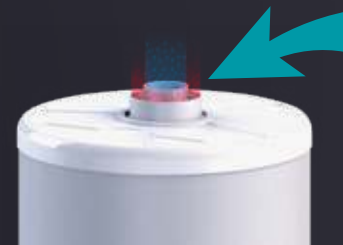
Max. number of users recommended

## Edel AIR

Model	Capacity	Installation Type	Max. number of users recommended
<b>Edel AIR 200L</b>	200L	- FLOOR STANDING -	4
<b>EDEL AIR 270L</b>	270L	- FLOOR STANDING -	6
<b>Edel AIR 80L</b>	80L	- WALL MOUNTED -	2
<b>Edel AIR 100L</b>	100L	- WALL MOUNTED -	3



Air connection up to 10m by flexible or rigid ducts 160 Ø





# Edel WATER



**Edel AIR 150L**

- WALL MOUNTED -



**Edel WATER 100L**

- WALL MOUNTED -



**Edel WATER 150L**

- WALL MOUNTED -



**Edel WATER 200L**

- FLOOR STANDING -

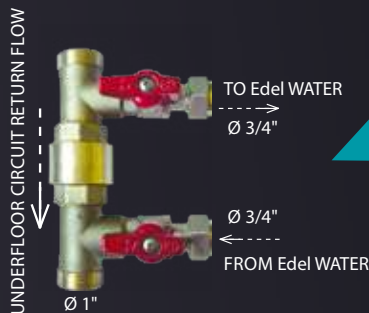


**Edel WATER 270L**

- FLOOR STANDING -

Connection by concentric air duct 80/125 Ø with a patented-technology design

**Auer PATENT**  
PROTECTED INVENTION



Connection with underfloor heating via hydraulic derivation module (included)

# EDEL

A groundbreaking range of heat pump water heaters



The heat pump water heater EDEL uses free calories from the air to insure domestic hot water production, thanks to its heat pump placed under the hood.

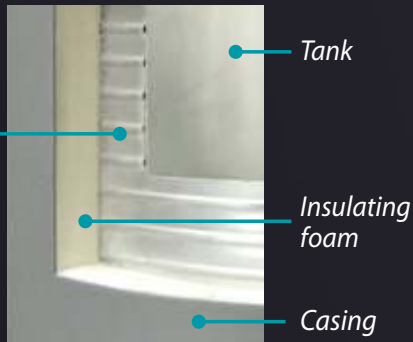
In that respect, it consumes up to 5 times less than a classic electric water heater, and enables to save up to 80% energy on the domestic hot water production.

For new-build or renovation projects, Edel insures all domestic hot water needs, with an outstanding comfort.



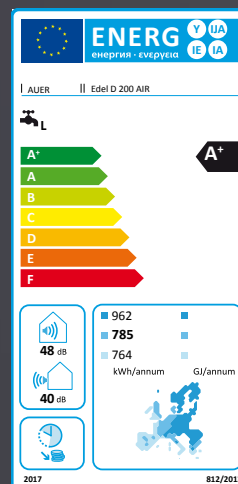
## MAJOR INNOVATION

Patented design eHD heat exchanger with mini-channels



The eHD heat exchanger is 100% aluminium. Its asymmetric micro-channels provide a perfect contact with the tank and a very high heat transfert, leading to an outstanding heating quality

## UNRIVALLED SEASONAL PERFORMANCES



- COP up to 3,21 according to EN 16147
- All the EDEL range is classified A+
- High efficiency compressor
- Eco-friendly R290 fluid



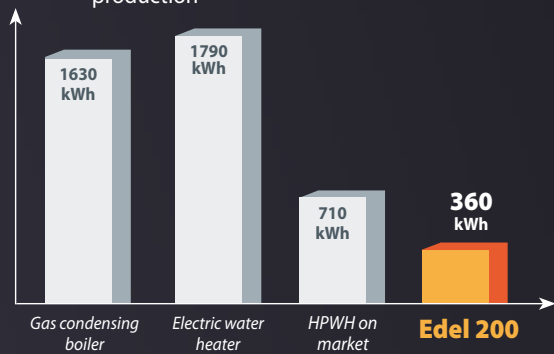


# ECONOMICAL

- Edel is classified in the highest energy efficiency class: it is the best solution for both new-builds and renovation projects
- It extracts free calories from the air right down to an outdoor temperature of -7°C, supplies domestic hot water and maintains it at 60°C using only the heat pump
- It is ultra-quiet and can easily be installed in your living space
- In average, Edel only needs 250W electricity. Your energy requirements are reduced, so your electricity bill costs less
- The best solution to produce domestic hot water : the most economical and the most eco-friendly

## CONSUMES UP TO 5 TIMES LESS ENERGY

Annual consumption for DHW production\*



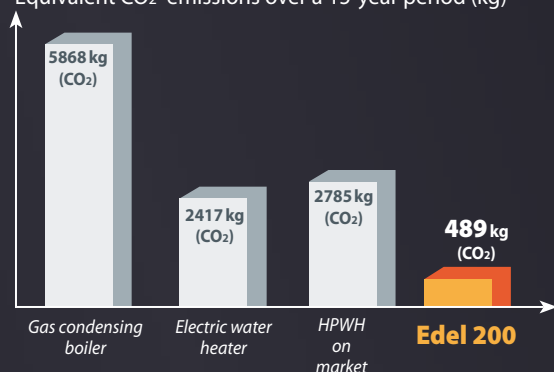
\*Example for a 100m<sup>2</sup> house according to RT 2012 regulations

# ECO-FRIENDLY

- Does not contain any greenhouse effect gases
- Unique : Edel uses a very small amount of non-fluorinated refrigerant fluid, which means close to non-environmental impact, 1000 times less than traditional heat pump water heaters
- Helps to reduce CO<sub>2</sub> emissions thanks to its low energy consumption and high output

## THE MOST ECO-FRIENDLY SOLUTION ON THE MARKET

Equivalent CO<sub>2</sub> emissions over a 15-year period (kg)





# EDEL FLOOR STANDING



## 200 and 270 L models

Thanks to its effortless installation, this is the professionals favorite device. Light and handy, it goes easily through the doors and tight staircases to fit in any type of housing !

## AN EFFICIENT AND WELL DESIGNED WATER HEATER

- An entirely stainless steel tank = no anode maintenance
- Extremely compact : 630 mm Ø
- 160 mm Ø aeraulic connections which can rotate through 360°
- Automatic variable-speed fan
- Over 90% less CO<sub>2</sub> emissions



**STAINLESS STEEL QUALITY AND ROBUSTNESS LEAD TO SUSTAINABLE ENERGY SAVINGS**





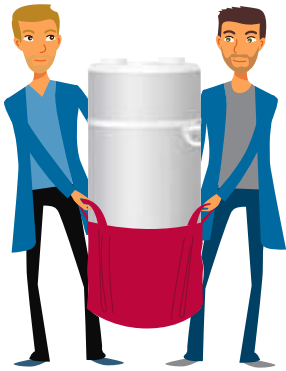
*EDEL 270 L also exists with a heat exchanger to be connected with a back-up boiler*



Aeraulic connection up to 10 m by slick or soft ducts 160 Ø

## EASY INSTALLATION

**DELIVERED IN A STRONG AND USER-FRIENDLY TRANSPORT BAG**



### LIGHT AND COMPACT

630 mm diameter  
Low height :  
Edel 200 L : 1,42 m  
Edel 270 L : 1,69 m



**UNIQUE**

## EASY TO USE / INTUITIVE CONTROLS

- Set the water temperature
- Select a mode according to your needs: BOOST, COMFORT, ECO and HOLIDAY
- The heat pump operates an automatic anti-bacterial cycle according to the desired frequency



# EDEL WALL MOUNTED



80, 100 and 150L models

When other water heaters need a tedious installation, Edel wall mounted needs only one small diameter (125 mm) concentric air duct to evacuate air

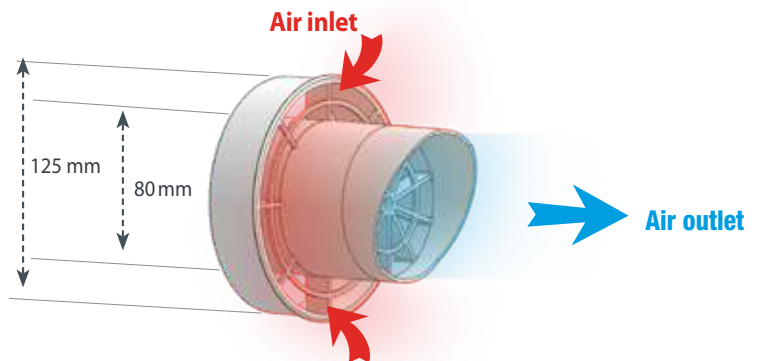
## AUER : THE CONCENTRIC AIR DUCT'S CREATOR FOR HEAT PUMP WATER HEATER



Rotates through **360°**

- Only one hole to drill: easy to connect thanks to the small diameter of the insulated concentric air duct (125mm)
- Up to 5m of air conduits with piping
- Up to 10m through a chimney

**ULTRA QUIET**



**Auer PATENT**  
PROTECTED INVENTION





# SEVERAL CONNECTION OPTIONS

- Incomparably quiet
- Protected against water drops (IPX4)
- Can be installed in a 60cm closet
- **OUTDOOR AIR**
  - Horizontal air duct
  - Vertical air duct
- **AMBIENT AIR**
  - Unheated premises
  - Unheated premises with outdoor air exhaust

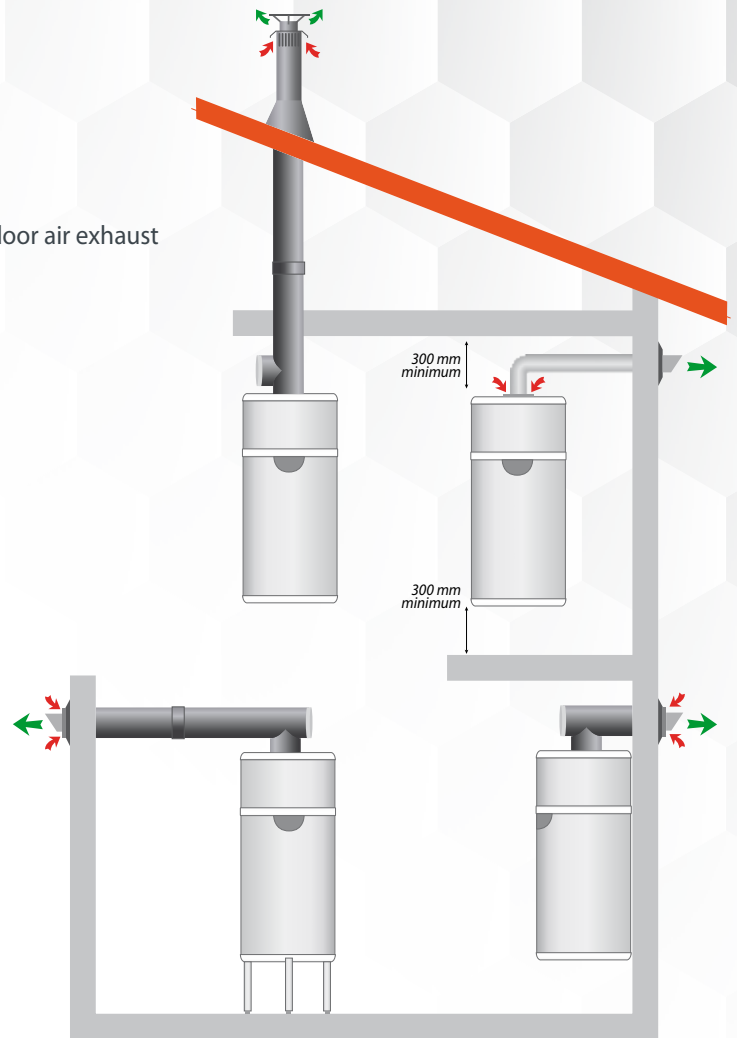
## SUITABLE FOR MANY DIFFERENT CONFIGURATIONS



Thanks to the pre-drilled wall bracket, Edel can be fixed to the wall using the existing holes from your old electric water heater !



- Standard pre-drilled wall bracket (optional)
- Can be wall-mounted or fitted on a tripod (optional)
- Several connection accessories available (please refer to next pages)

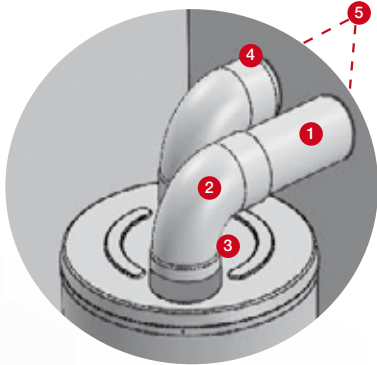


# EDEL AERAILIC CONNECTION

With a lot of aeraulic accessories, Edel offers a large number of installation possibilities

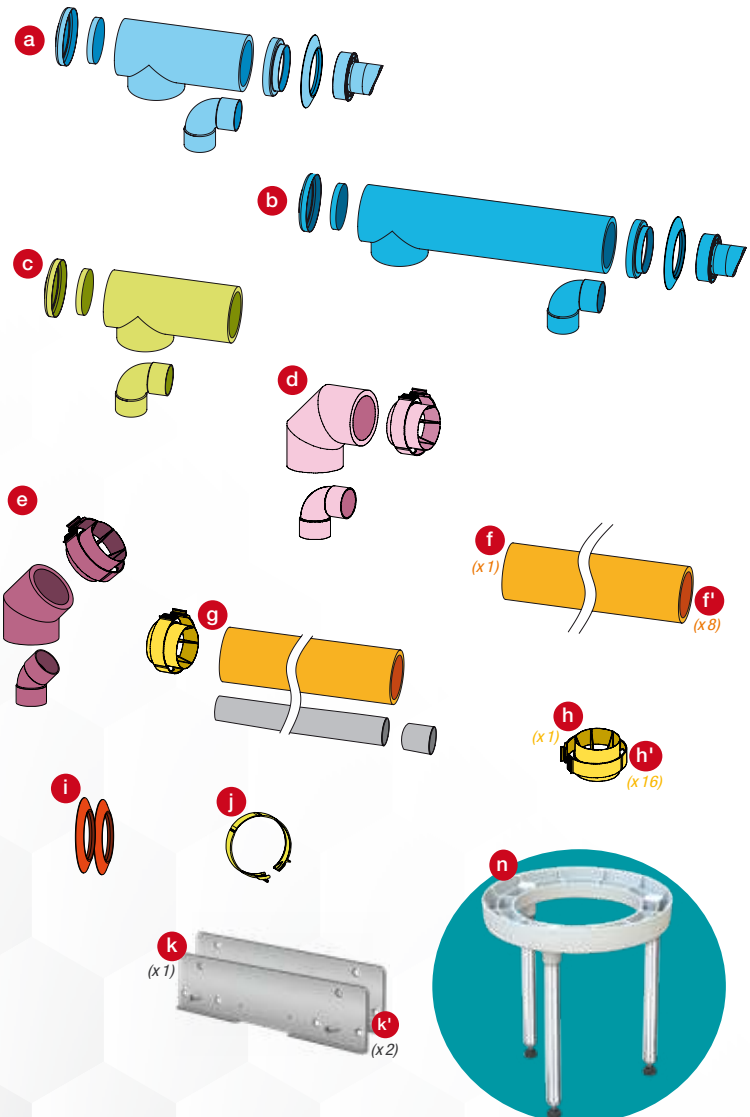
## ACCESSORIES EDEL FLOOR STANDING

Denomination	Reference	Pre-tax price
<b>1</b> Semi-rigid insulated sleeve 160 mm Ø - lg = 2 m	730011	65 €
<b>2</b> Insulated 90° elbow 160 mm Ø	730012	29 €
<b>3</b> Wall pipe clamps - (set of 2) - 160 mm Ø	730013	17 €
<b>4</b> Assembly connectors for insulated sleeve (set of 2)	730014	19 €
<b>5</b> Horizontal terminal for insulated sleeve	730015	122 €
<b>6</b> Flexible muffler 160 mm Ø F/F	730050	71 €

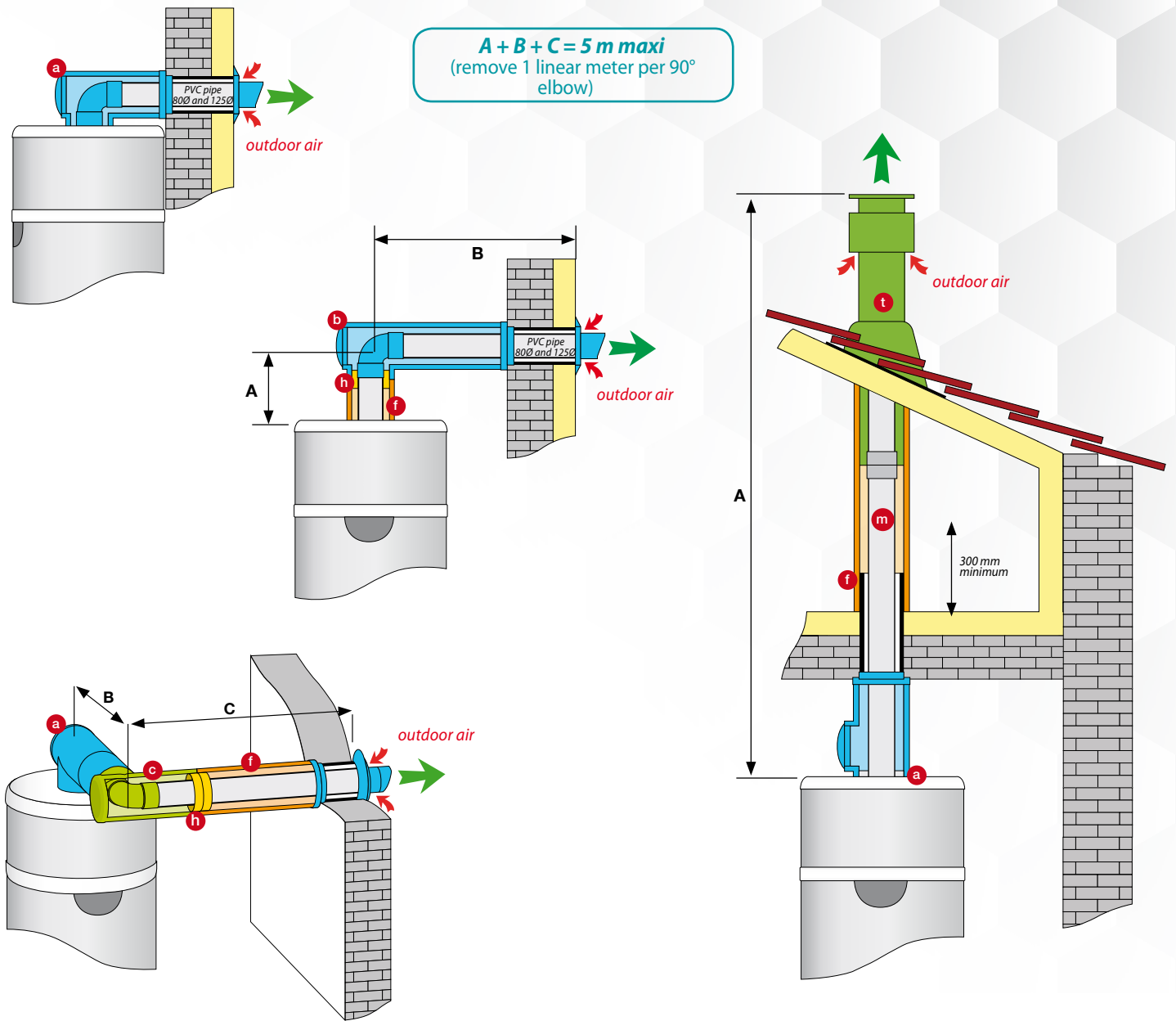


## ACCESSORIES EDEL WALL MOUNTED

Denomination	Qty	Reference
<b>a</b> Hind or vertical insulated duct 80 / 125 Ø - length 355 mm : - Disposal terminal - Insulated elbow 125Ø - length 355mm - PVC elbow 80Ø - F/F - Wall seal 125Ø - Wall collar F155/F125 - Cover for the T fitting	1	730000
<b>b</b> Lateral or vertical insulated duct 80 / 125 Ø - length 975 mm : - Disposal terminal - Insulated elbow 125Ø - length 975mm - PVC elbow 80Ø - F/F - Wall seal 125Ø - Wall collar F155/F125 - Cover for the T fitting	1	730008
<b>c</b> 90° insulated elbow 80 / 125 Ø for air duct - Insulated elbow 125Ø - Cover for insulated elbow - PVC elbow 80Ø - F/F	1	730004
<b>d</b> 90° insulated elbow 80 / 125 Ø - Insulated elbow 125Ø - Assembly fitting - PVC elbow 80Ø - F/F	1	730067
<b>e</b> 45° insulated elbow 80 / 125 Ø - Insulated elbow 125Ø - Assembly fitting - PVC elbow 80Ø - F/F	1	730045
<b>f</b> Insulated extension - int. 125 Ø - length=2m	1	730001
<b>f'</b> Insulated extensions - int. 125 Ø - length=2m (set by 8)	8	730002
<b>g</b> Insulated extension - 80/125 Ø - length=2m - Insulated extension 125Ø - PVC pipe 80Ø - Assembly fitting for insulated sleeve 125Ø - PVC assembly fitting 80Ø	1	730064
<b>h</b> Assembly fitting for insulated sleeve 125Ø	1	730044
<b>h'</b> Assembly fittings for insulated sleeve 125Ø (set by 16)	16	730069
<b>i</b> Wall seal 80 Ø	2	730006
<b>j</b> Wall pipe clamp 125 Ø	1	730066
<b>k</b> Wall bracket for the Edel 80 and 100L models	1	730017
<b>k'</b> Wall bracket for the Edel 150L model	2	730018
<b>n</b> Height adjustable tripod from 30 to 50 cm	1	730016
PVC pipe 80 Ø (central pipe)	contact your distributor	
PVC pipe 125 Ø (wall passthrough)	contact your distributor	



# CONNECTION SETTINGS



# CONNECTIONS USING AMBIENT AIR

Denomination	Ref.
<b>t</b> VERTICAL terminal 1 m (80 / 125 Ø) + flashing 25 to 50°+ sealing plate + pipe clamp	710167
<b>m</b> PVC fitting 80 Ø FF	Contact your distributor
<b>p</b> Terminal 80 Ø	Included
<b>s</b> PVC elbow 80 Ø FF	Contact your distributor

# EDEL WATER **UNIQUE**



AUER provides the only heat pump water heater on the market that operates with underfloor heating

## DO YOU HAVE UNDERFLOOR HEATING ?

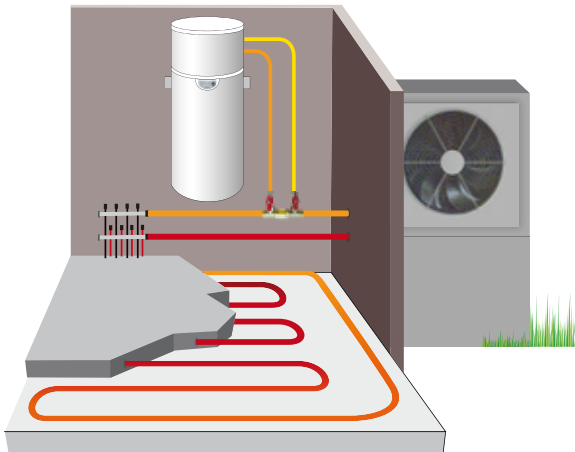
Edel WATER uses return flow water from your underfloor heating or any other very low-temperature heating circuit to heat your domestic water.

### A WIDE RANGE

- 100 and 150 L wall mounted or on tripod models
- 200 and 270 L floor standing models

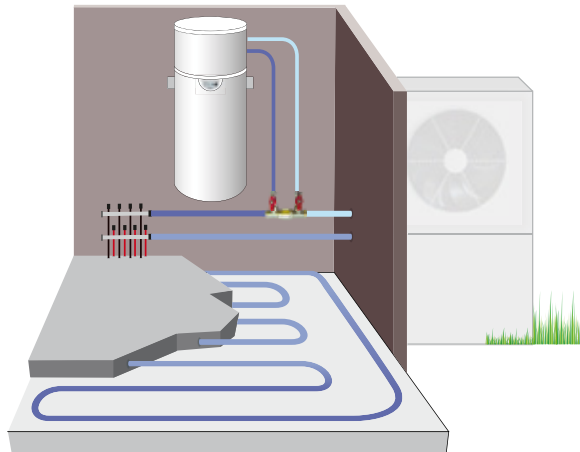
## CONNECTION TO YOUR UNDERFLOOR HEATING

*How it operates in winter*



*In winter, Edel WATER extracts calories from the underfloor heating return flow to provide domestic water at 60°C*

*How it operates in summer*



*In summer, the free heat drawn from your underfloor heating goes back into your domestic water with an outstanding COP up to 4,5*





## HIGHLY EFFICIENT

- The accumulated energy at low temperature in the underfloor is used by Edel WATER to produce economically your domestic hot water
- Very compact, it can fit easily anywhere in the house
- Its integrated micro-circulator only consumes 5W
- Edel WATER can even improve your summer thermal comfort !

## UNEQUALLED QUALITIES

- The integrated heat pump extracts calories from your underfloor heating return flow water with an unequalled COP
- Outstanding thermal and acoustic performances
- No air duct: only a hydraulic connection, giving you a total freedom of choice for the installation location in your house
- Up to 60% more energy efficiency for DHW production than a heat pump which provides both heating and hot water
- No air noise : < 30 dB(A) at 2m



## ULTRA QUIET

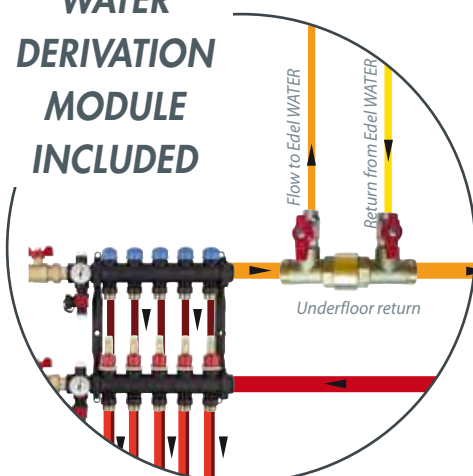
- No fan, making it even quieter
- High-performance compressor fitted on silent blocks

### EASY TO USE INTUITIVE CONTROLS

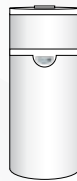


- Set the water temperature
- Select a mode according to your needs: BOOST, COMFORT, ECO or HOLIDAY
- The heat pump operates an automatic anti-bacterial cycle

### WATER DERIVATION MODULE INCLUDED



# EDEL AIR



	Edel 80	Edel 100	Edel 150
	ref. 353209	ref. 353210	ref. 353211

Edel D 200	Edel D 270	Edel D 270 1 heat exch.
ref. 353401	ref. 353410	ref. 353411

## HEAT PUMP PERFORMANCES

	L	80	100	150
Nominal volume	L	80	100	150
Max. heating capacity	W	1600	1600	1600
Air temperature range	°C	-7 to +35	-7 to +35	-7 to +35
DHW* temperature with heat pump	°C	30 to 55	30 to 55	30 to 55
Max. heat pump power consumption	W	350	350	350
Air flow rate	m <sup>3</sup> /h	140	140	140
Sound pressure level at 1 m**	dB(A)	36	36	36
Refrigerant	- / kg	R290 / 0.1	R290 / 0.1	R290 / 0.1
GWP	kg	0.3 kg CO <sub>2</sub> equivalent		
Type of air connection	-	Outdoor or ambient air		

	200	260	260
	1900	1900	1900
	-7 to +35	-7 to +35	-7 to +35
	30 to 60	30 to 60	30 to 60
	700	700	700
	400	400	400
	39	39	39
	R290 / 0.15	R290 / 0.15	R290 / 0.15
	0.45 kg CO <sub>2</sub> equivalent		
	Outdoor or ambient air		

## NORMATIVE DATA (EN 16147)

	-	M	M	M
Water profile tapping	-	M	M	M
COP* (outdoor air +7°C)	-	2.45	2.45	2.59
Reserve capacity	W	12	15.3	17
Hot water reference temperature	°C	53.6	54.14	54.29
Heating time	-	4h54	6h06	8h52
Erp energy class	-	A+	A+	A+
Seasonal energy efficiency	%	100.8	102	105
Vmax	L	100.6	132	211.4
V40 td	L	247	313	417
COP* (ambient air +15°C)	-	2.6	2.7	2.89

	L	L	L
	3.21	3.08	3.00
	24	23.9	25
	53.46	53.8	53.8
	6h13	9h58	9h58
	A+	A+	A+
	130	128	123
	241	339	326
	628	663	630
	3.3	3.2	3.15

## DIMENSIONS AND CONNECTIONS

	mm	525 Ø x 1145 H	525 Ø x 1290 H	525 Ø x 1660 H
Dimensions	mm	525 Ø x 1145 H	525 Ø x 1290 H	525 Ø x 1660 H
Weight when empty	kg	45	48	59
Air connection diameter (intake / rejection)	mm	125 / 80	125 / 80	125 / 80
Max. length for air ducts	m	With air ducts: 5 m		
Connection diameter for DCW* and DHW*	inches	M 3/4"	M 3/4"	M 3/4"
Electrical power supply	V-Hz-A	230 V - 50 Hz - 10 A		
Protection rating	-	IPX4	IPX4	IPX4
D-curve circuit breaker	A	10	10	10

	630 Ø x 1470 H	630 Ø x 1748 H	630 Ø x 1748 H
	71.2	80.7	86
	160	160	160
	Flexible sleeve: 10 m (air intake + rejection) Rigid sleeve: 20 m (air intake + rejection)		
	M 3/4"	M 3/4"	M 3/4"
	230 V - 50 Hz - 10 A		
	IPX4	IPX4	IPX4
	10	10	10

## TANK

	-	enamelled steel	enamelled steel	enamelled steel
Materials / protection	-	enamelled steel	enamelled steel	enamelled steel
Maximum service pressure	MPa	0.6 (6 bars)	0.6 (6 bars)	0.6 (6 bars)
Max. condensates flow rate	L / h	0.12	0.12	0.12
Built-in elec. back-up power (85°C safety setting)	W	1200	1200	1200
Max. temp. with electrical back-up	°C	65	65	65
Hydraulic heat exchanger	m <sup>2</sup> /kW	-	-	-
Heat exchanger connection diameter	inches	-	-	-

	stainless steel	stainless steel	stainless steel
	0.6 (6 bars)	0.6 (6 bars)	0.6 (6 bars)
	0.3	0.3	0.3
	1200	1200	1200
	65	65	65
	-	-	0.9 / 20
	-	-	M 3/4"

\* DHW = Domestic Hot Water DCW = Domestic Cold Water COP = Coefficient of performance

\*\* Sound pressure in accordance with standards NF EN ISO3745 and NF EN 12102

# SPECIFICATIONS



## EDEL WATER

Edel 100 WATER	Edel 150 WATER	Edel 200 WATER	Edel 270 WATER
ref. 35221 0	ref. 35221 1	ref. 35240 0	ref. 35241 0

### HEAT PUMP PERFORMANCES

Nominal volume	L	100	150	195	270
Max heating capacity (heat pump + back-up)	W	1600	1600	1700	1700
Water temperature range	°C	+18 to +35	+18 to +35	+18 to +35	+18 to +35
DHW temperature with heat pump	°C	30 to 55	30 to 55	30 to 60	30 to 60
Max. heat pump power consumption	W	400		500	
Flow rate of water sampled	l/h	250	250	250	250
Sound pressure level at 1 m**	dB(A)	33	33	36	36
Refrigerant	- / kg	R290 / 0.1	R290 / 0.1	R290 / 0.13	R290 / 0.13
GWP	kg	0.3 kg CO <sub>2</sub> equivalent		0.39 kg CO <sub>2</sub> equivalent	

### NORMATIVE DATA (EN 16147)

Water profile tapping	-	M	M	M	L
COP* (water +25°C)	-	3.4	3.7	4.38	4.47
Reserve capacity	W	13	14	14	16.5
Hot water reference temperature	°C	54.14	54.29	54.76	55.19
Heating time	-	5h00	6h30	6h13	9h08
Erp energy class	-	A+	A+	A+	A+
Seasonal energy efficiency	-	112	123	144	144
Vmax	L	133	215	238	336
V40 td	L	316	476	662	747

### DIMENSIONS AND CONNECTIONS

Dimensions	mm	525 Ø x 1290 H	525 Ø x 1660 H	630 Ø x 1470 H	630 Ø x 1748 H
Weight when empty	kg	48	59	71.2	80.7
Hydraulic connection diametre	-	F3/4"	F3/8"	F3/8"	F3/8"
Connection diametre for DCW* and DHW*	inches	M 3/4"	M 3/4"	M 3/4"	M 3/4"
Electrical power supply	V-Hz-A	230 V - 50 Hz - 10 A		230 V - 50 Hz - 10 A	
Protection rating	-	IPX1	IPX1	IPX1	IPX1
Circuit breaker	A	10	10	10	10

### TANK

Materials / protection	-	enamelled steel	enamelled steel	stainless steel	stainless steel
Maximum service pressure	MPa	0.6 (6 bars)	0.6 (6 bars)	0.6 (6 bars)	0.6 (6 bars)
Built-in elec. back-up power (85°C safety setting)	W	1200	1200	1200	1200
Max. temp. with electrical back-up	°C	65	65	65	65

\* DHW = Domestic Hot Water DCW = Domestic Cold Water COP = Coefficient of performance

\*\* Sound pressure in accordance with standards NF EN ISO3745 and NF EN 12102

AUER this is also ...

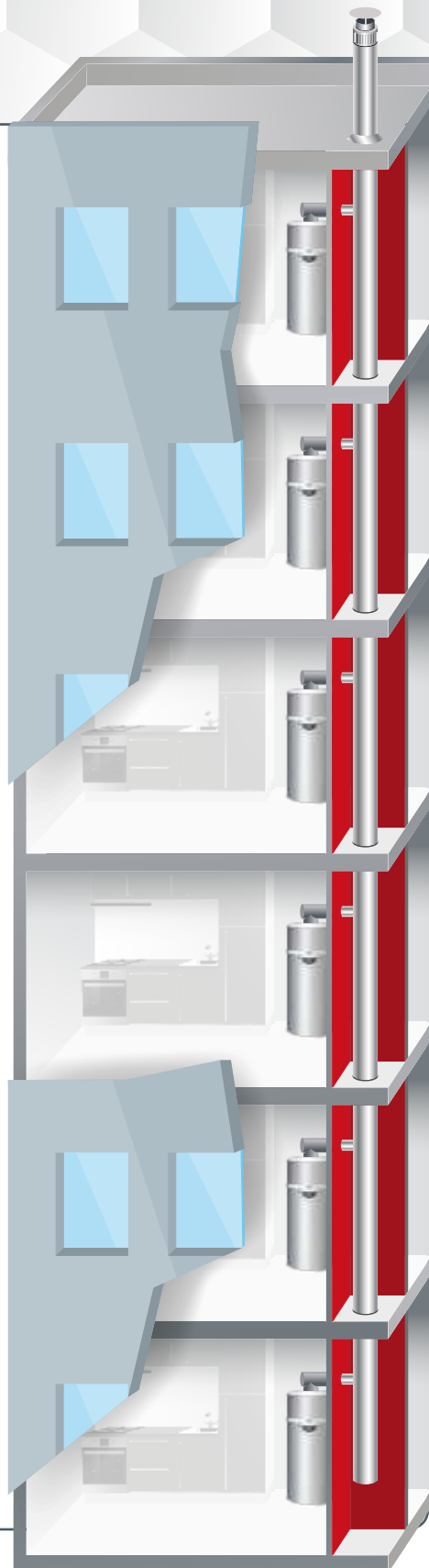
# A.C.E System

*The Aeraulic Collective Edel system is the most energy efficient solution for collective dwellings*

- Edel ACE is a standalone heat pump water heater with an optimized fan to supply/exhaust air from the roof
- Water heaters connected to a communal concentric air duct
- Each water heater works independantly on external air to maximise the performance
- No visible hole on the building face, no constraint for implanting on the roof
- Edel ACE : a wide range of capacity (80, 100, 150L), wall mounted and compact
- Easy to integrate in the apartment (no suspended ceilings or soffit needed)
- More room for the living space
- Edel ACE is the solution for low carbon new-build or renovation projects



*Please contact AUER prescription service*



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## YOUR INSTALLER :

### COMMERCIAL SERVICES

**Any area except north :**  
109 boulevard Ney - 75876 Paris cedex 18  
Tel. +33 1 53 06 28 00 - Fax. +33 1 53 06 28 20

**North (02-08-51-59-60-62-80) :**  
Rue de la République - CS40029 -  
80210 Feuquières-en-Vimeu  
Tel. +33 3 22 61 21 01 - Fax. +33 3 22 30 01 19  
E-mail : advnord@auer.fr

### TRAINING AND TECHNICAL ADVICE

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