

EDEL



Revolutionary heat pump water heaters



The serenity of ecological comfort and more economical hot water



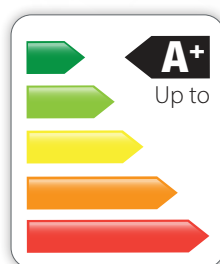
Up to **80 %**

OF FREE ENERGY

to heat domestic water

Connects to air or to
underfloor heating return

Full range from
80, 100, 150, 200 and 270 L



AIR SOURCE



DOMESTIC
WATER

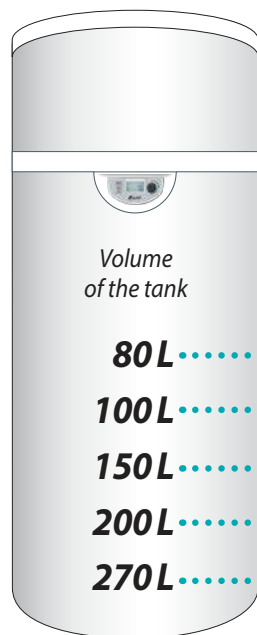


FRENCH
Manufacturer

www.auer.fr

FINDING THE RIGHT WATER HEATER FOR YOUR NEEDS

A hot water heater at the optimal capacity consumes less energy. AUER offers a full range of products to better respond to your needs, and to guarantee the maximum amount of savings possible.



Number of showers*
(morning + night)



Number of baths*
(night)

80 L	2 + 2	
100 L	3 + 3	
150 L	3 + 2	1
200 L	5 + 3	2
270 L	6 + 3	2

* Indicative data in addition to household uses, based on typical normative hot water draw. To maximise Edel's performance, it is important to not connect it to the peak/off peak hours control.



Maximum number of users advised

Edel AIR



Edel AIR 200 L
- FLOOR STANDING -



EDEL AIR 270 L
- FLOOR STANDING -



Edel AIR 80 L
- WALL MOUNTED -



Edel AIR 100 L
- WALL MOUNTED -



Air connection of up to 10m with a flexible or rigid duct Ø160





Edel WATER



Edel AIR 150 L
- WALL MOUNTED -



Edel WATER 100 L
- WALL MOUNTED -



Edel WATER 150 L
- WALL MOUNTED -



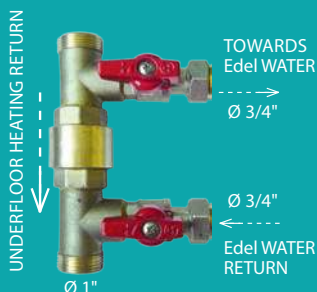
Edel WATER 200 L
- FLOOR STANDING -



Edel WATER 270 L
- FLOOR STANDING -

Connection by concentric air duct Ø80/125 with a patented technology design

AUER PATENT
PROTECTED INVENTION



Connection to underfloor heating via water diversion module (included)



EDEL Revolutionary heat pump water heaters

The EDEL heat pump water heater uses free calories taken from the air to ensure domestic hot water production using the heat pump located under the hood.

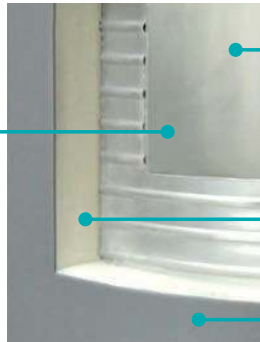
It consumes up to 5 times less electricity than a standard electric water heater. EDEL enables you to have up to 80% of energy savings on the production of domestic hot water.

Ideal for new-builds and renovation projects, EDEL satisfies all your hot water needs with an incomparable comfort.



MAJOR INNOVATION

Patented design
eHD heat
exchanger with
micro-channels



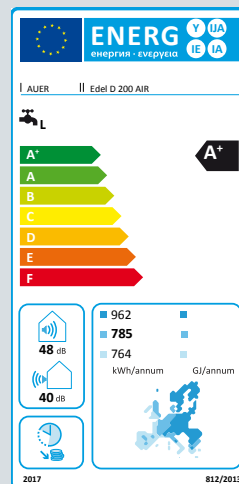
Stainless steel
tank

Insulating
foam

Casing

The eHD heat exchanger is made of 100% aluminium. Its asymmetrical micro-channels provide a perfect contact with the stainless steel tank for a very high heat transfer, leading to an outstanding heating quality.

UNRIVALLED SEASONAL PERFORMANCES

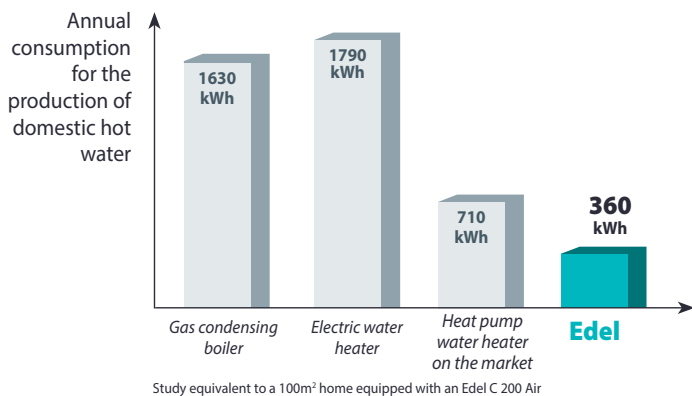


- COP up to 3,21 according to EN 16147
- Up to A+
- High performing compressor
- R290 ecological refrigerant

ECONOMICAL

- Edel is classified in the highest energy efficiency class: it is the best solution for new-builds and renovation projects.
- It extracts free calories from the air up to an exterior temperature of -7°C , and supplies domestic hot water as well as maintains it at 60°C using only the heat pump.
- Is it ultra-quiet and can easily be installed in your living space.
- On average the Edel consumes only 250W. This allows for lower energy consumption and a lower electricity bill.
- The ideal solution in domestic hot water production: the most economical and the most ecological.

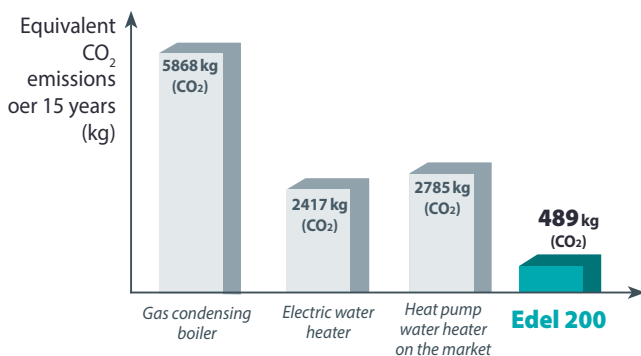
CONSUMES UP TO 5 TIMES LESS



ECOLOGICAL

- Does not contain any greenhouse effect gases.
- Unique : Edel uses only a small quantity the non-fluorinated refrigerant R290. It guarantees a low environmental impact which is 1000 times less than standard heat pump water heaters.
- It contributes to the reduction of CO₂ emissions due to its low energy consumption and high performance.

THE MOST ECOLOGICAL SOLUTION THROUGHOUT ITS LIFESPAN



EDEL FLOOR STANDING



200 and 270 L

Due to its effortless installation procedure, this model is a favourite of professionals. Light and easily manipulable, it passes easily through doors and tight staircases to fit in any type of housing.

AN EFFICIENT AND WELL DESIGNED WATER HEATER

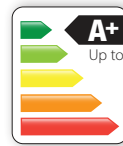
- A tank completely constructed of stainless steel which stops corrosion = no anode which means less constraints and less maintenance
- Extremely compact : Ø 630 mm
- Air connection of Ø 160 mm which can be rotated 360°
- Automatic variable-speed fan
- Over 90% less CO₂ emissions

COP
standard up to
3,19

Exclusive
100%
STAINLESS
steel

HIGH QUALITY AND
STURDY STAINLESS STEEL
PRODUCTS LEAD TO
SUSTAINABLE ENERGY
SAVINGS.





EDEL 270L exists with a heat exchanger which can be connected to a back-up boiler.



Air connection up to 10 m by insulated, flexible or rigid piping Ø160

EASY INSTALLATION



LIGHT AND COMPACT

Diameter 630 mm

Height

Edel 200 L : 1,42 m

Edel 270 L : 1,69 m



EASY TO USE / INTUITIVE CONTROLS

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



EDEL WALL MOUNTED



80, 100 and 150 L

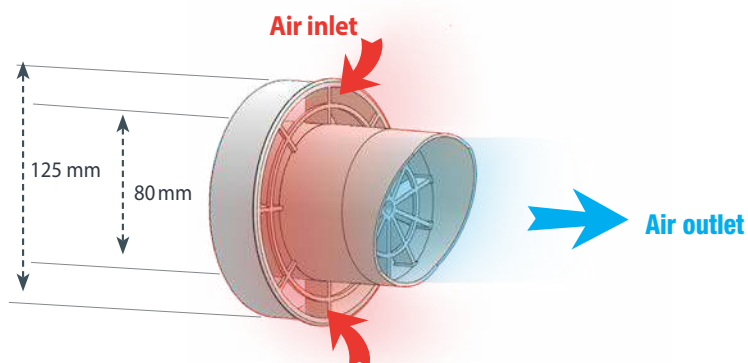
While other water heaters require a tedious installation, Edel AIR wall mounted needs only one small 80/125 mm concentric air duct.

CONNECTION BY PATENTED CONCENTRIC AIR DUCTS

Auer
DESIGNER of the
CONCENTRIC AIR DUCT
for heat pump water heaters



- Only one hole to drill due to the small diameter of the insulated concentric air duct (125 mm)
- Up to 5m of air conduit with piping.
- Up to 10m of air conduit with a chimney



AUER PATENT
PROTECTED INVENTION



NUMEROUS CONNECTION POSSIBILITIES

- Incomparably quiet
 - Protected against water splashes IPX4
 - Can be installed in a closet of only 60 cm
- **EXTERIOR AIR**
 - Horizontal air duct
 - Vertical air duct
 - **AMBIENT AIR**
 - Unheated room
 - Unheated room with exhaust to exterior air

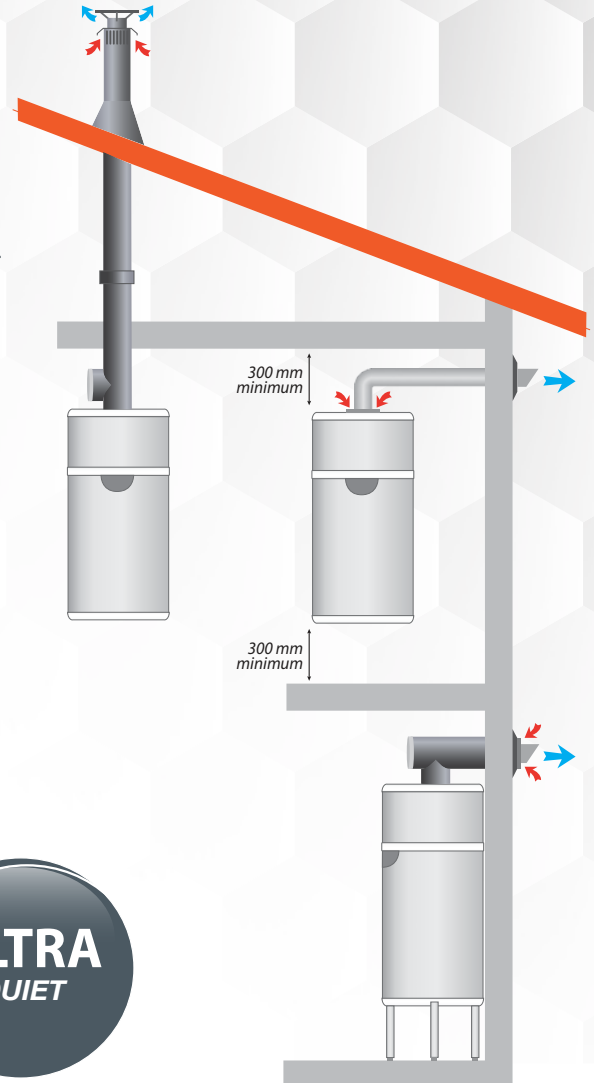
EDEL ADAPTS TO A MULTITUDE OF CONFIGURATIONS



With the pre-drilled wall bracket, Edel can be affixed to the wall using the existing holes from your previous water heater!



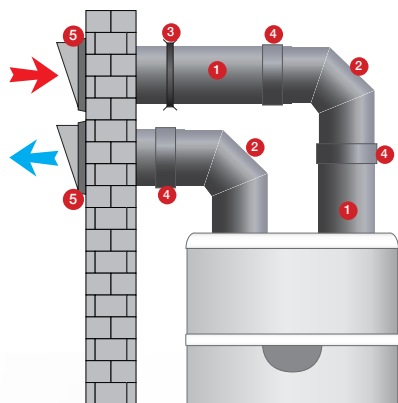
- Standard pre-drilled wall bracket (optional)
- Can be wall mounted or fit on a tripod (optional)
- Several connection accessories available (see following pages)



EDEL AIR CONNECTIONS

Edel has a multitude of air connection accessories available to offer a large number of installation possibilities

ACCESSORIES EDEL FLOOR STANDING

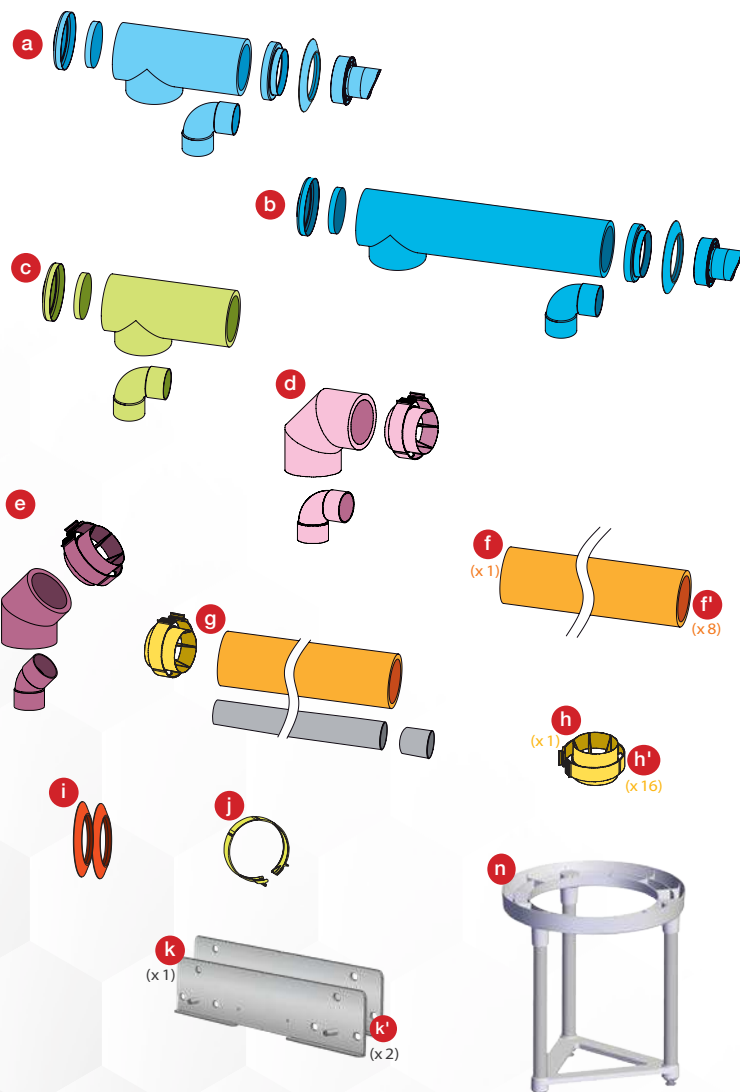


Description	Reference
1 Semi-rigid insulated sleeve Ø 160 mm - lg = 2 m	730011
2 Insulated 90° elbow Ø 160 mm	730012
3 Wall pipe clamps - (set of 2) - Ø 160 mm	730013
4 Assembly connectors for insulated sleeve - (set of 2)	730014
5 Horizontal terminal for insulated sleeve	730015
6 Flexible muffler Ø 160 mm F/F	730050

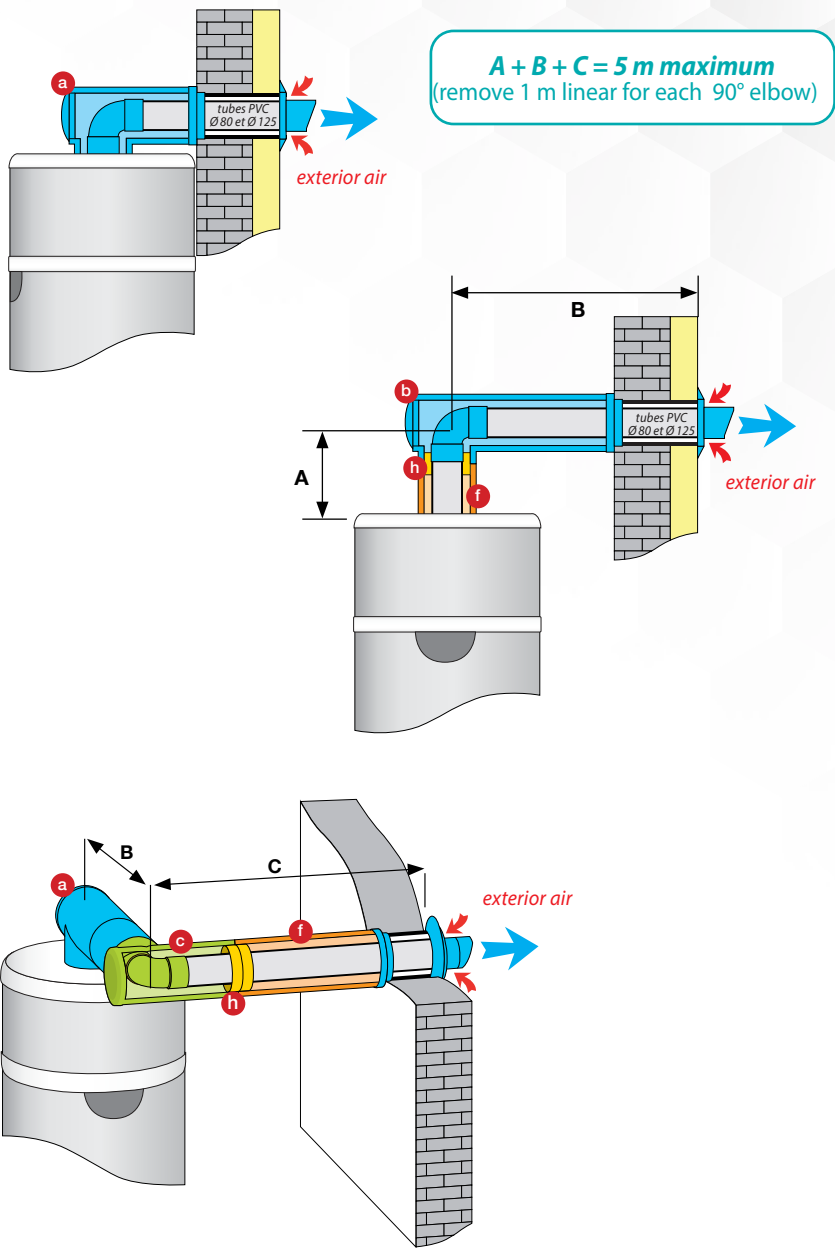


ACCESSORIES EDEL WALL MOUNTED

Description	Qty	Reference
a Rear or vertical insulated duct Ø 80 / 125 - lg 355 mm : - Evacuation terminal - Insulated elbow Ø125 - length 355mm - PVC elbow Ø 80 - F/F - Wall seal Ø125 - Wall collar F155/F125 - T-fitting cover	1	730000
b Lateral or vertical insulated duct Ø 80 / 125 - lg 975 mm : - Evacuation terminal - Insulated elbow Ø125 - length 975mm - PVC elbow Ø 80 - F/F - Wall seal Ø125 - Wall collar F155/F125 - T-fitting cover	1	730008
c Insulated 90° elbow Ø 80/125 for air duct - Insulated elbow Ø125 - Cover for insulated elbow - PVC elbow Ø 80 - F/F	1	730004
d Insulated 90° elbow Ø 80/125 - Insulated elbow Ø125 - Assembly fitting - PVC elbow Ø 80 - F/F	1	730067
e Insulated 45° elbow Ø 80/125 - Insulated elbow Ø125 - Assembly fitting - PVC elbow Ø 80 - F/F	1	730045
f Insulated extension Ø int. 125 - lg=2m	1	730001
f' Insulated extensions Ø int. 125 - lg=2m - (set of 8)	8	730002
g Insulated extension Ø 80/125 - lg=2m - Insulated extension Ø125 - PVC pipe Ø 80 - Assembly fitting for insulated sleeve Ø125 - PVC assembly fitting Ø 80	1	730064
h Assembly fitting for insulated sleeve Ø 125	1	730044
h' Assembly fittings for insulated sleeve Ø 125 - (set of 16)	16	730069
i Wall seals Ø 80	2	730006
j Wall pipe clamp Ø 125	1	730066
k Wall bracket for Edel 80 and 100L	1	730017
k' Wall bracket for Edel 150L	2	730018
n Height adjustable tripod from 30 to 50 cm	1	730016
PVC tube Ø 80 (central pipe)	contact your distributor	
PVC tube Ø 125 (wall passthrough)		

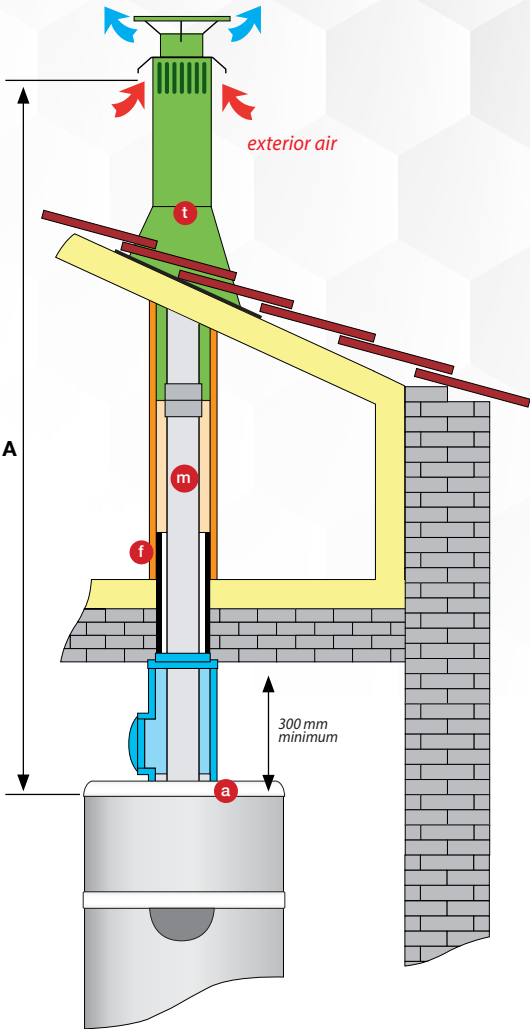


CONNECTION CONFIGURATIONS

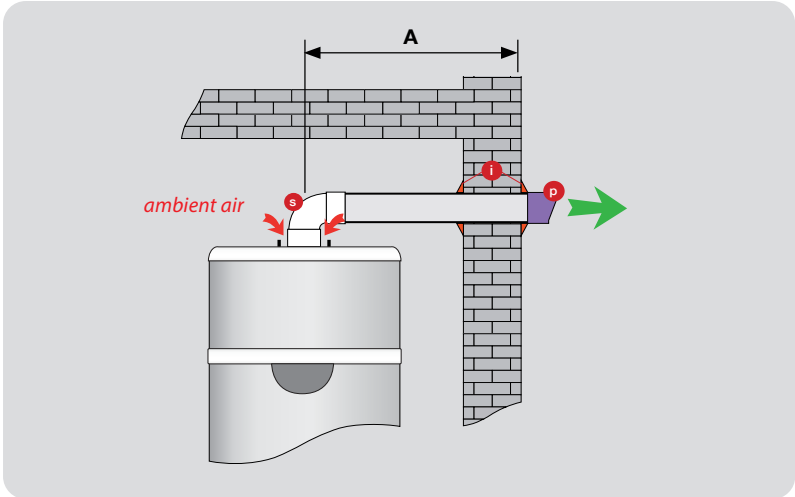


A + B + C = 5 m maximum
(remove 1 m linear for each 90° elbow)

Description	Ref.
t VERTICAL air duct 1 m Ø 80/125 + flashing 25 to 50°+ watertight + fixing rings	710167
m PVC connection Ø 80 FF	Contact your distributor
p Terminal Ø 80	Included
s PVC elbow Ø 80 FF	Contact your distributor



CONNECTION TO AMBIENT AIR



EDEL WATER UNIQUE



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

DO YOU HAVE UNDERFLOOR HEATING ?

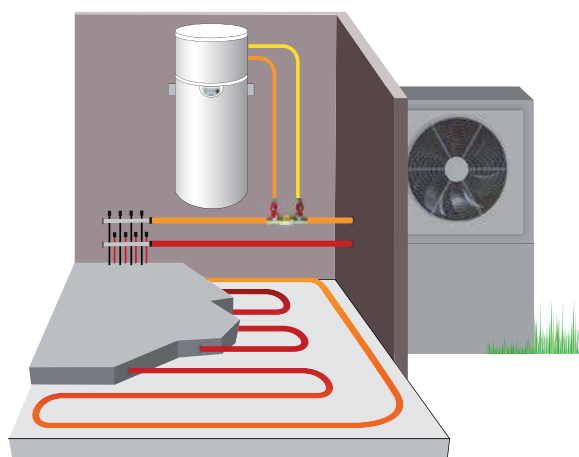
Edel WATER uses the water returned from your underfloor heating, or other low-temperature heat circuit, to heat your domestic hot water.

A FULL RANGE OF PRODUCTS

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

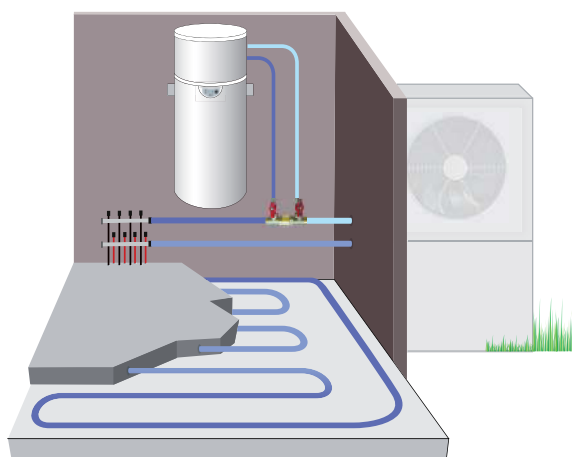
CONNECTION TO UNDERFLOOR HEATING

Winter



In winter, Edel WATER extracts calories from the exterior air, and using the underfloor heating generator as an intermediary, produces water up to 60°C.

Summer



In summer, Edel WATER extracts the free heat from the floor and uses it to heat your domestic hot water, while at the same time cooling the house.



HIGHLY EFFICIENT

- The energy accumulated at low temperatures from the hydraulic floor is used by the Edel WATER to economically produce your domestic hot water.
- Extremely compact, it can be integrated anywhere in the home.
- Its integrated micro-circulator consumes only 5W.
- Edel WATER can improve your thermal comfort even in summer!

UNBEATABLE QUALITIES

- The integrated heat pump extracts calories from the water from the return flow of your underfloor heating to provide an unbeatable COP.
- Outstanding thermal and acoustic performances.
- No air duct: only a plumbing connection, giving you complete freedom of choice for the location of installation in your home.
- Up to 60% gain of DHW production compared to a double service heat pump.
- No noise : 31 dB(A) from 2m away.



ULTRA QUIET

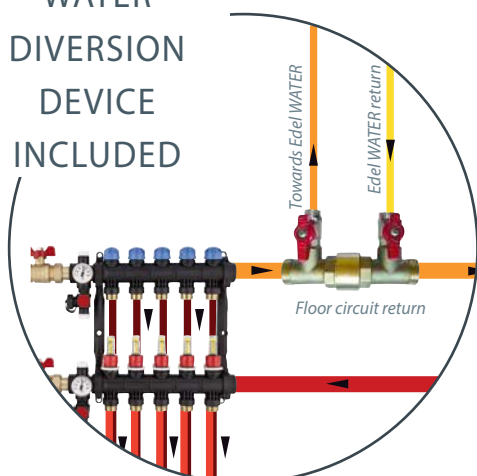
- No fan, making it even quieter.
- High-performance compressor mounted on silent blocks.

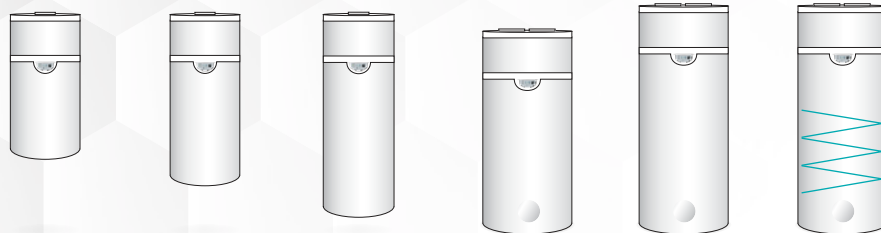
EASY TO USE, INTUITIVE CONTROLS



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

WATER DIVERSION DEVICE INCLUDED





EDEL AIR

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

Edel 200 D/2	Edel 270 D/2	Edel 270 DE/2 1 heat exchanger
ref. 353420	ref. 353430	ref. 353431

HEAT PUMP PERFORMANCES

Nominal volume	L	80	100	150
Max input power (heat pump + back-up)	W	1350	1350	1350
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 ³ / h	90 to 160	90 to 160	90 to 160
Sound pressure level inside**	dB(A)	41,2	41,2	41,2
Sound pressure level outside**	dB(A)	55,8	55,8	55,8
Refrigerant	- / kg	R290 / 0,1	R290 / 0,1	R290 / 0,1
GWP*	kg	0,30kg CO ₂ equivalent		
Type of air connection	-	Exterior or ambient air		

200	270	265
1900	1900	1900
-7 to +35	-7 to +35	-7 to +35
30 to 60	30 to 60	30 to 60
700	700	700
320 to 400	320 to 400	320 to 400
49,8	49,8	49,8
37,9	37,9	37,9
R290 / 0,15	R290 / 0,15	R290 / 0,15
0,45kg CO ₂ equivalent		
Exterior or ambient air		

NORMATIVE DATA (EN 16147)

NF Performance	-	Yes	Yes	Yes
Water drawing cycle	-	M	M	M
COP* (exterior air +7°C)	-	2,34	2,38	2,5
Electrical capacity from the PES reserve	W	13	16	17
Hot water reference temperature	°C	52,76	53,60	53,50
Heating time	-	4h38	6h48	9h37
Erp energy class	-	A	A	A+
Seasonal energy efficiency	%	97	99	104
Vmax	L	101,5	141,7	198,8
V40 td	L	243,8	311,1	380,1
COP* (ambient air +15°C)	-	2,6	2,7	2,89

Yes	Yes	Yes
L	L	L
3,19	3,14	3,00
23	25	27
54,2	53,8	53,7
7h04	10h15	9h26
A+	A+	A+
132	130	125
247,4	349,3	334,5
614	650,4	693
3,37	3,47	3,30

DIMENSIONS AND CONNECTIONS

Dimensions	mm	Ø 520 x H 1145	Ø 520 x H 1290	Ø 520 x H 1660
Weight when empty	kg	44,5	47	57,5
Air connection diameter (intake / exhaust)	mm	125 / 80	125 / 80	125 / 80
Max length for air conduits	m	With concentric air duct: 5 m		
Connection diameter for DCW* and DHW*	inch	M 3/4"	M 3/4"	M 3/4"
Electrical power supply	V-Hz-A	230V-50Hz-6A	230V-50Hz-6A	230V-50Hz-6A
Protection rating	-	IPX4	IPX4	IPX4
D-curve circuit breaker	A	6	6	6

Ø 630 x H 1460	Ø 630 x H 1780	Ø 630 x H 1780
56,5	63	68
160	160	160
flexible piping: 10m - rigid piping: 20m (intake + exhaust)		
M 3/4"	M 3/4"	M 3/4"
230V-50Hz-8A	230V-50Hz-8A	230V-50Hz-8A
IPX4	IPX4	IPX4
8	8	8

TANK

Materials / protection	-	enamelled steel	enamelled steel	enamelled steel
Maximum service pressure	MPa	0,6 (6 bars)	0,6 (6 bars)	0,6 (6 bars)
Maximum condensates flow rate	L / h	0,12	0,12	0,12
Built-in electrical back-up power (safety settings = 85°C)	W	1000	1000	1000
Max temperature with electrical back-up	°C	65	65	65

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

* DHW = Domestic Hot Water
DCW = Domestic Cold Water

GWP = Global Warming Potential
COP = Coefficient of performance

** Sound pressure in accordance with standards EN ISO 9614-1 and pr EN 12102-2.

Hydraulic heat exchanger	0,8 m ² / 20 kW
Heat exchanger connection diameter	M 3/4"

SPECIFICATIONS



EDEL WATER

Edel WATER 100

ref. 352210

Edel WATER 150

ref. 352211

Edel WATER 200

ref. 352400

Edel WATER 270

ref. 352410

HEAT PUMP PERFORMANCES

Nominal volume	L	100	150	195	270
Max input power (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	400	500	500
Water flow rate	l/h	250	250	250	250
Sound pressure level at 2m**	dB(A)	31	31	34	34
Refrigerant	- / kg	R290 / 0,1	R290 / 0,1	R290 / 0,13	R290 / 0,13
GWP*	kg	0,3kg CO ₂ equivalent		0,39kg CO ₂ equivalent	

NORMATIVE DATA (EN 16147)

NF Performance	-	No	No	Yes	Yes
Water drawing cycle	-	M	M	M	L
COP* (water +25°C)	-	3,4	3,7	4,38	4,47
Electrical capacity from the PES reserve	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	Ø 520 x H 1248	Ø 520 x H 1618	Ø 630 x H 1422	Ø 630 x H 1747
Weight when empty	kg	47	57,5	48,5	55
Hydraulic connection diameter	-	F 3/8"	F 3/8"	F 3/8"	F 3/8"
Connection diameter for DCW* and DHW*	pouce	M 3/4"	M 3/4"	M 3/4"	M 3/4"
Electrical power supply	V-Hz-A	230V-50Hz-6A	230V-50Hz-6A	230V-50Hz-8A	230V-50Hz-8A
Protection rating	-	IPX1	IPX1	IPX1	IPX1
Circuit breaker	A	6	6	8	8

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 electrical back-up power (safety settings= 85°C)	W	1200	1200	1200	1200
Max temperature with electrical back-up	°C	65	65	65	65

* DHW = Domestic Hot Water
COP = Coefficient of performance

DCW = Domestic Cold Water
GWP = Global Warming Potential

** Sound pressure tested in a semi-anechoic chamber

AUER is also...

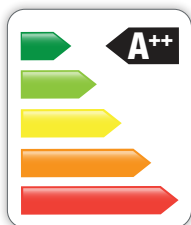
HRC⁷⁰

70°C high temperature
modulating heat pump

from 11 to 140 kW

- A genuine high temperature heat pump which provides heating up to 70°C even on the coldest of days.
- Modulating heating capacity : an innovating combination of two compressors of differing power levels, with a high compression level, to constantly adjust the supply of heat to match the current heating needs.
- Equipped with a multifunctional hydraulic pilot for turnkey installation.
- Can ensure your domestic hot water tank heating without a back-up required.
- Up to -20°C outside, it heats using only the heat pump.

For every **1 kWh** of electricity used, there is up to **4,9 kWh** of heat returned to the circuit leading to almost **80% of energy savings.**



YOUR INSTALLER :

COMMERCIAL SERVICES

All regions except northern:
109 boulevard Ney - 75876 Paris cedex 18
Tel. 01 53 06 28 00 - Fax. 01 53 06 28 20

Northern regions (02-08-51-59-60-62-80) :
Rue de la République - CS40029 -
80210 Feuquières-en-Vimeu
Tel. 03 22 61 21 01 - Fax. 03 22 30 01 19
E-mail : advnord@auer.fr

TRAINING, RESEARCH, AND ADVICE

Tel. 03 22 61 33 33 - Fax. 03 22 61 33 35
E-mail : enr@auer.fr

