EDGE PRO

Hot, Cold, Domestic Hot Water

COMFORT FOR THE
PLANET & PEOPLE

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Guarantees and Services

Clivet, in compliance with Regulation 517/2014, informs that its products contain or operate with the use of fluorinated greenhouse gases

NATURAL COMFORT

Reasons to believe in a more comfortable future, thanks to Clivet

Over 35 years of expertise in heat pumps.

Clivet has been leading the way in heat pump innovation since 1989. We were among the first to recognise the technology's potential for efficient and sustainable comfort — and our dedication to innovation hasn't wavered since.

Purpose-built solutions.

Clivet engineer its solutions from the ground up to offer specialised systems designed for a diverse range of applications and environments. Boasting the widest range of heat-pump solutions, our flexible, adaptable approach ensures a perfect fit for your specific requirements.

Crafted in Europe.

As a European company from the start, we understand the unique needs and demands of this market. Our heat pump solutions are designed with your comfort in mind, considering everything from climate variations to specific building requirements.

A simplified product experience.

Clivet systems streamline every step, from simplified design and installation to effortless operation and control. Engineered for efficiency from the ground up, Clivet delivers unparalleled ease of use, lower operating costs, and a lasting commitment to sustainability.

COMFORT FOR THE PLANET & PEOPLE

OUR NUMBERS

More than **1000 employees** in Italy and abroad

53.500m² of plants in Feltre - (Belluno) and Verona

8 branches: UK, Germany, India, Russia, UAE, China, Balkans and France

More than **100 countrie** we export

to More than **700 professionals** worldwide

- Sales network
- Distributors and wholesalers
- Installers
- Service Centres

MideaGroup
humanizing technology

2016: strategic alliance with Midea Group

277° of the fortune global 500 in 2024

51.9 BN $ of Midea Turnover

2023: Clivet first sustainability report

The heat pump

The heat pump is a unique system for heating, cooling and domestic hot water production.

How does it work?

It transfers thermal energy from the external environment to the internal environment and vice versa.

Its operation is similar to a refrigerator, but reversed: as the refrigerator subtracts heat from food keeping it cool and disperses it in the room where it is located, in the same way the heat pump draws heat energy from outside and transfers it to the indoor environment to heat or cool or produce domestic hot water.

To distribute the heat or cold inside a building, the heat pump normally uses water, as a boiler, and flows it through radiators, terminal units or radiant floors.

There are various types of heat pumps. They can exchange the thermal energy with the outside in different ways:

- AIR - called Air-Water: they exchange heat with outside air and are the most common;
- WATER - called Water-Water: they exchange heat with groundwater, a well or a water loop specifically realized;
- GROUND - called Geothermal: they exchange heat with the ground through geothermal probes.

Why is it a good solution for you and the planet?

The heat pump saves energy, reduces carbon dioxide emissions and respects the environment. During its operation uses about 75% of renewable energy from the external environment: unlimited energy and always available energy. For the remaining 25% of energy requirements, photovoltaic panels can be combined, for a 100% ecological solution.

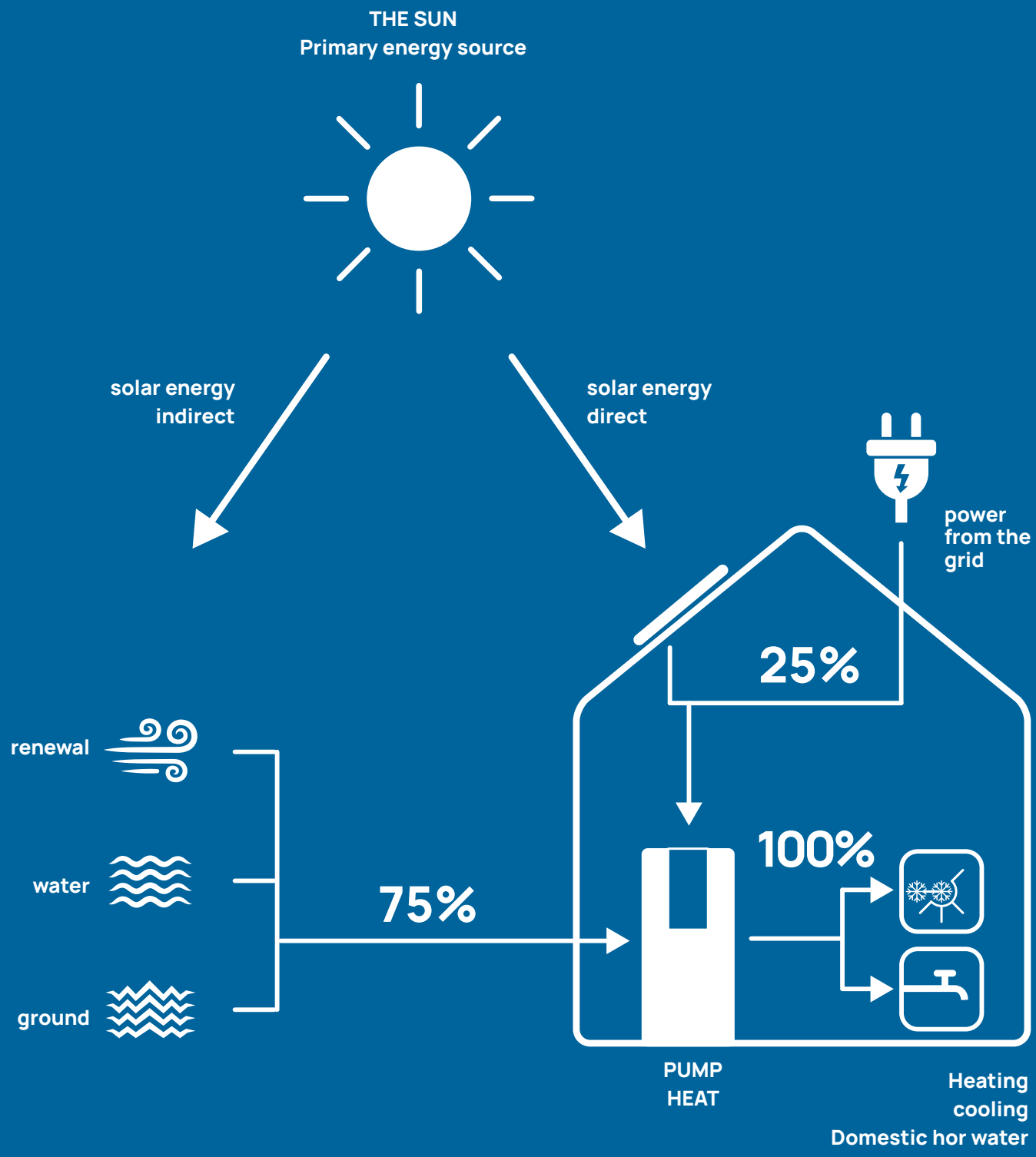
Where is it installed?

Depending on the type, the heat pump can be installed in a technical room inside the house, in the understairs, on the hallway, outside the house, on the balcony,...

How to size the heat pump?

The heat pump suitable for a system must be selected by a specialist.

The main parameters normally are: insulation and climatic zone of the building, volume and rooms to be air conditioned, number of inhabitants, type of heating (radiators, radiant floor, ...).


THE SUN
Primary energy source
solar energy
indirect
solar energy
direct
power
from the
grid
25%
renewal
water
ground
75%
100%
PUMP
HEAT
Heating
cooling
Domestic hor water

Why choose a Clivet heat pump?

Annual Savings

- Savings on heating, reducing energy consumption and hence bill costs by up to 50% compared to a traditional condensing boiler.
- Heating and cooling with a single system: so there is no need to install two systems.

Environmental Impact

- In 2009, with the European RES Directive (Renewable Energy Sources), heat pumps were recognized as technologies that use renewable energy. Therefore the heat pump systems contribute to increase energy efficiency and the use of thermal renewables, improves the energy class of the building, the quality of the air and contributes to the achievement of the share of renewable energy assigned to each country
- It does not use fossil fuels or release emissions from combustion into the environment.

Flexibility and quietness

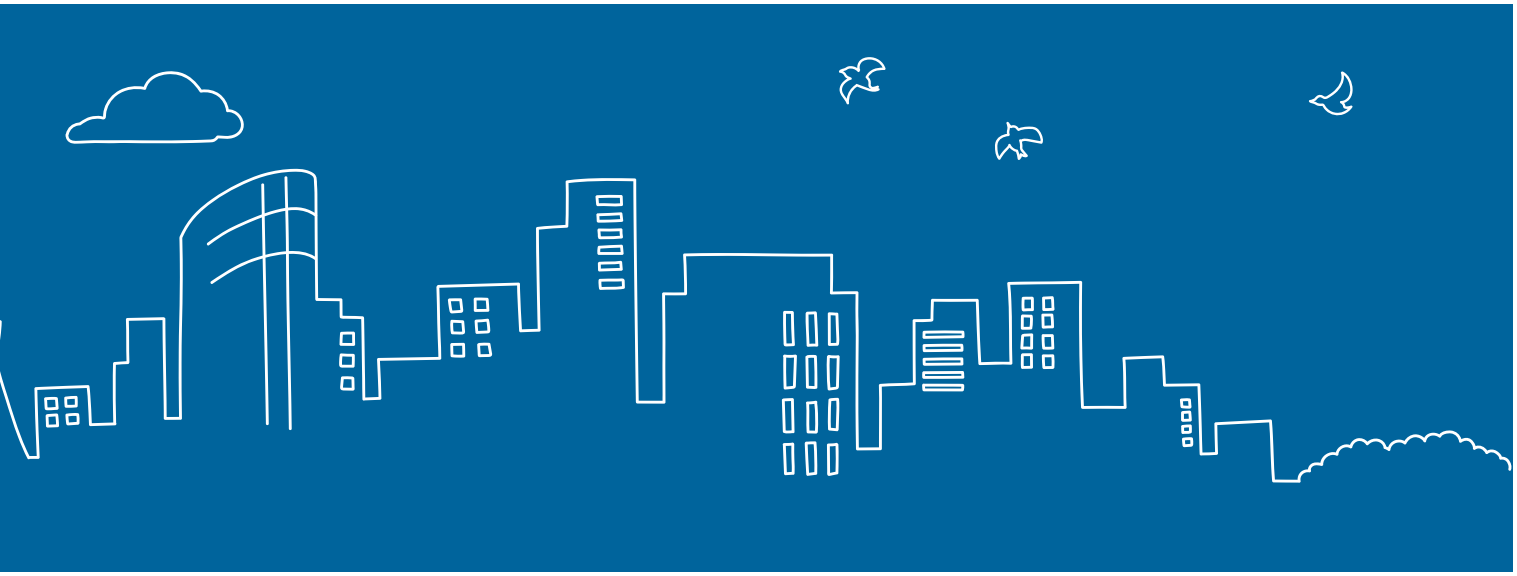
The heat pump is **suitable for every situation**:

- New buildings or retrofit: it can be integrated into an existing system or in a new one;
- All residential areas: maximum quietness both outside and inside the dwellings;
- Hot or cold climates, even with an integrated additional boiler to operate in extreme environmental conditions.

More than 35 years of experience

For more than 35 years Clivet has been successfully supplying heat pump systems for the commercial sector, a segment that in recent years has been able to identify the heat pump as an efficient system that allows considerable savings.

The experience gained in this sector allowed Clivet to have a revolutionary approach also in the residential sector, offering innovative air conditioning systems that take advantage of the heat pump technology and guarantee year-round well-being for all the types of houses with a single system.



A solution for every home

New builds

Building and system working together as one

Solutions designed to be fully **integrated into the configuration of each house**, following specific requirements that may depend on the climate, the need for mechanical ventilation or dehumidification, structural insulation, the presence of renewable sources and much more.

These systems are complete and highly customisable: they are already **conceived at the design stage** to not only fulfil Heating, Cooling and Domestic Hot Water production, but also Ventilation, Air renewal and heat recovery. They are also optimised to provide maximum efficiency and quiet operation, as well as the lowest possible consumption levels.

Renovations

Turn your ideas into reality and create comfort

Solutions designed to **enhance systems in existing houses by also intervening on the distribution and control system**, which require building works such as renovating the distribution system, installing an intelligent management system or creating a thermal cladding system. Incentives make these interventions extremely cost-effective, even with low investments.

These are cutting-edge systems that significantly increase comfort levels: they are **designed at the renovation stage** to replace the Heating system and the production of Domestic Hot Water, but also to add cooling, renewable energy sources (e.g. solar panels) or intelligent management systems such as CONTROL4 NRG.

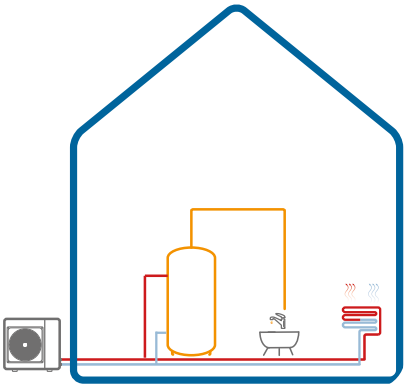
Replacements

Get maximum results with minimum effort

Solutions designed to upgrade old generators without modifying the existing system.

Incentives and very short intervention times greatly facilitate this choice.

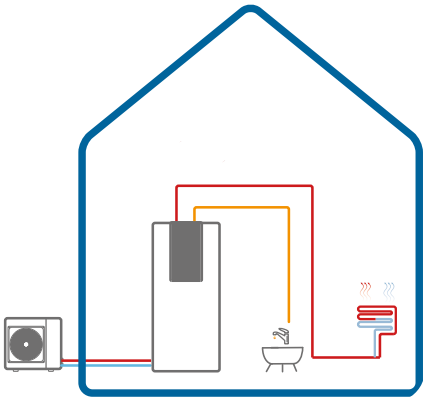
These systems are very versatile and can adapt to any existing facilities: they simply replace the generator that provides Heating and Domestic Hot Water, improving comfort and efficiency, as well as ensuring peace of mind.



MONOBLOC

The system consists of an outdoor unit (EDGE PRO) that directly supplies the system through piping in which water flows. This type of solution is plug&play and very easy to install.

The installation does not require an F-GAS licence and is perfect for non-invasive interventions on the building.



HYDRO-SPLIT

The system consists of an outdoor unit (EDGE PRO) and an indoor unit (HYDRO-SPLIT), which are connected by hydraulic connection in which water flows. This type of solution is complete and very easy to install, while still being highly versatile.

The installation does not require an F-GAS licence and is a good compromise between plug&play systems and more complex installations.

EDGE PRO

R290 eco refrigerant

WiSAN-PMP 1 S 2.1-8.1

EDGE PRO is the monobloc air-to-water heat pump for heating, cooling, and domestic hot water production.

It is suitable for all types of climates, provides power outputs from 4 to 16 kW, and uses the eco-friendly refrigerant R-290.

It is characterized by:

- Power without the noise: class-leading quietness
- Functional, winning design: winner of IF Design Award 2025 and Red Dot Design Award 2025
- Renovation is easy: flow temperature up to 80°C ideal for any distribution system
- Advanced management: control up to 6 units in cascade with new advanced functions
- Reliability and safety guaranteed by new standard components
- Advanced connectivity: management via dedicated App or via Modbus port with CONTROL4 NRG included as standard

Power without the noise

These heat pumps are also a valid answer for those installations where a high level of silence is required, guaranteed by the special design of the fans and the two silent operating modes. In addition, in EDGE PRO, the compressor is positioned inside a 'silent box' composed of several layers of sound-absorbing material specially designed to reduce compressor noise by up to -25 dB(A).

Versatile and Winning Design

EDGE PRO has received two important international awards that confirm its aesthetic and functional value:

iF DESIGN AWARD 2025 - Presented by iF International Forum Design GmbH, one of the oldest independent design institutions in the world, the iF DESIGN AWARD is a prestigious prize that has been active for over 70 years. EDGE PRO was awarded in the Product section, Building Technology category, for its innovative and elegant design. The selection was made from nearly 11,000 projects from 66 countries, evaluated by a jury of 131 independent experts.

Red Dot Design Award 2025 - Among the most renowned design competitions in the world, the Red Dot Award has been recognizing products for their outstanding design quality since 1955. The 2025 entries, submitted by over 60 countries, were assessed by 43 international experts based on four key criteria: functionality, attractiveness, ease of use, and responsibility.

Thanks to these accolades, EDGE PRO confirms its place among the best-designed products globally.

iF DESIGN AWARD 2025

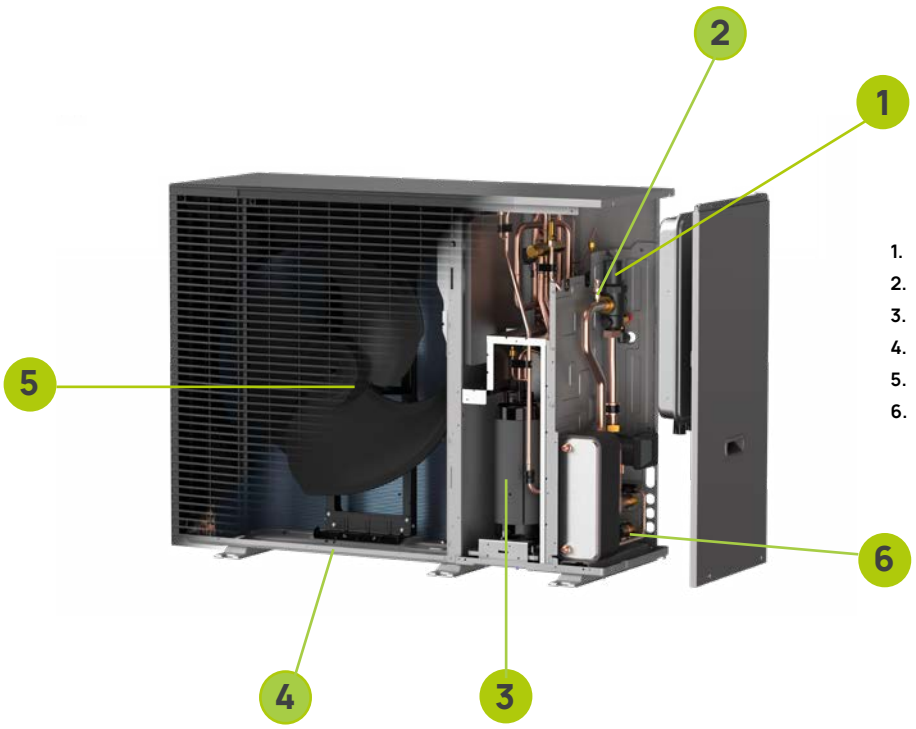
reddot winner 2025


CLIVET

General technical data

View and functional diagram

New components ensure maximum quietness and reliability:



1. **Air-gas separator**
2. **Hydraulic system pressure sensor**
3. **Silent box**
4. **Base frame electric heater**
5. **Fan design**
6. **Flow meter**

Accessories

HMINX	Black KJRH-120L control
HMIX	White KJRH-120L control
IBHX	Electric back-up heater (single phase)
IBHTX	Electric back-up heater (three-phase)
3DHWX	System/DHW 3-way switching valve (SV1)
ACS200X	200 liter DHW tank
ACS300X	300 liter DHW tank
ACS500X	500 liter DHW tank
QERAX	Connection kit for single-phase heater on DHW storage tank (for ACS200/300/500X)
SCS08X	Solar coil for ACS200X/ACS300X DHW tank
SCS12X	Solar coil for ACS200X/ACS300X DHW boilers
FDMX	Magnetic dirt separator filter for water distribution systems
TANKSX	50-Liters system inertial storage tank
TANKMX	75-Liters system inertial storage tank
TANKLX	100-Liters system inertial storage tank
KTCAX	Hose kit for connecting the unit to the inertial storage tank
VAGX	Safety antifreeze valve for system
DI50-2X	50 liter hydraulic separator
DI100-2X	100-litre circuit breaker
KCSX	Secondary circuit kit (1-litre hydraulic circuit breaker + pump)
KIRE2HX	Double zone distribution unit: direct + direct
KIRE2HLX	Double zone distribution unit: direct + mixed (with mixing valve)
DTX	Condensate collection pan with electric heater
T1BX	DHW temperature probe and additional 10m heating source
T1B30X	DHW temperature probe and additional 30m heating source
AMRX	Kit of antivibration mounts for floor installation
ASTFX	Kit of antivibration mounts for installation on wall brackets, inertial tank or tray
KSIPX	Kit with wall fixing brackets
HTC2WX	White HID-TConnect2 chronothermostat for temperature control
SWCX	Receiver / IoT switch SwitchConnect

Technical data - Heating

Size			2.1	3.1	4.1 / 4.1T	5.1 /5.1T	6.1 / 6.1T	7.1 / 7.1T	8.1 / 8.1T
Air 7°C - Water 35°C									
Rated heating capacity	1	kW	4.1	6.1	8	9.5	12.1	14	15.5
Total power input	1	kW	0.77	1.21	1.52	1.92	2.44	2.98	3.44
COP	1	-	5.3	5.03	5.25	4.95	4.95	4.7	4.5
Air -7°C - Water 35°C									
Rated heating capacity	2	kW	4.1	6	7	8	10	12	13.1
Total power input	2	kW	1.26	1.98	2.15	2.54	3.17	4.29	4.85
COP	2	-	3.25	3.03	3.25	3.15	3.15	2.8	2.7
Air 7°C - Water 55°C									
Rated heating capacity	3	kW	4.6	6.2	8	9.5	11.9	13.8	16
Total power input	3	kW	1.38	1.92	2.39	2.97	3.66	4.38	5.25
COP	3	-	3.33	3.23	3.35	3.2	3.25	3.15	3.05

Data according to EN 14511:2022.
1. inlet/outlet water temperature 30/35 °C, outdoor air temperature 7 °C dry bulb / 6 °C wet bulb
2. inlet/outlet water temperature 30/35 °C, outdoor air temperature -7 °C dry bulb / -8 °C wet bulb
3. inlet/outlet water temperature 47/55 °C, outdoor air temperature 7°C dry bulb / 6°C wet bulb

Technical data - Cooling

Size			2.1	3.1	4.1 / 4.1T	5.1 /5.1T	6.1 / 6.1T	7.1 / 7.1T	8.1 / 8.1T
Air 35°C - Water 18°C									
Rated cooling capacity	1	kW	4.50	6.50	8.30	10.0	12	14	15
Total power input	1	kW	0.80	1.18	1.58	2.17	2.61	3.18	3.53
EER	1	-	5.65	5.51	5.25	4.60	4.6	4.4	4.25

Data according to EN 14511:2022.
1. inlet/outlet water temperature 23/18 °C, outdoor air temperature 35°C dry bulb/ 27°C wet bulb

ErP

Size			2.1	3.1	4.1 / 4.1T	5.1 /5.1T	6.1 / 6.1T	7.1 / 7.1T	8.1 / 8.1T
Average climatic conditions - Heat pump for Average temperature application									
SCOP	1	-	3.84	3.92	4.06	4.01	3.96	3.85	3.86
Generator energy class	1	-	A+++	A+++	A+++	A+++	A+++	A+++	A+++
Average climatic conditions - Heat pump for Low temperature application									
SCOP	2	-	5.10	5.00	5.35	5.33	4.94	4.76	4.72
Generator energy class	2	-	A+++	A+++	A+++	A+++	A+++	A+++	A+++
Average climatic conditions - Heat pump for application with Fan coil									
SEER	3	-	5.23	5.32	5.61	5.53	4.99	4.97	4.98

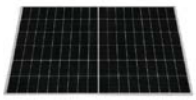
The product is conforming with the European ErP Directives, which includes Commission Delegated Regulation (EU) no. 811/2018 and Commission Delegated Regulation no. 813/2018 of the Commission

Data according to EN 14825
1. Clima Average, Medium temperature 47/55°C
2. Clima Average, Low temperature 30/35°C
3. Clima Average, Low temperature 12/7°C

Sound levels

SIZE			2.1	3.1	4.1 / 4.1T	5.1 /5.1T	6.1 / 6.1T	7.1 / 7.1T	8.1 / 8.1T
Sound power	ErP heating (part load C)	dB(A)	46	46	47	47	48	48	48
	Rated heating	dB(A)	48	49	50	52	52	55	56

Clivet Smart Living



PHOTOVOLTAIC PANELS*

Energy production through a photovoltaic system.

ENERGY STORAGE

Electrical energy storage, to ensure maximum efficiency of independent supply during evening hours.

EDGE PRO HEAT PUMP

Heat pump for air conditioning and domestic hot water production. Maximises savings by optimising its operation according to the energy available from the photovoltaic system.

AIR RENEWAL UNIT

Active thermodynamic recovery ventilation system to ensure the maximum level of indoor air quality.

CONTROL4 NRG

System energy assistant with electricity and thermal storage management. Remote automatic software updates to keep the system in line with new available functions.

CLIVET EYE

Cloud solution for remote system control and management from a single App with display of energy levels produced and consumed by the home.

SMART THERMOSTATS

These provide simple, intuitive and immediate access to the home system's main operating parameters (temperature and humidity, air quality, battery charge level, electric energy produced by the photovoltaic system).

AIR QUALITY SENSOR

Acquisition of temperature, humidity, noise, VOC, carbon monoxide, carbon dioxide and methane values.

FAN COILS*, RADIANT PANEL*, RADIATORS

Silent, efficient fan coils with slimline design.

*not supplied by Clivet

Warranty and services

Clivet's after-sales service reaches its Customers through a well-organized support network that is always on hand, as high technology levels require fast and skilled services.

Moreover, Clivet has facilities dedicated to the training of its after-sales service, Clivet University, with over 500 m^2 rooms for practical and theoretical trainings, where professionals can test Clivet systems operating in real conditions.

The service is available in most of the countries around the world through subsidiaries or selected Service Centres.

Learn more about the warranty and service conditions for your country by contacting the distributor or the branch closest to you.

For 35 years we have been offering solutions to ensure sustainable comfort and the well-being of people and the environment

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