

Press Book

ISH 2025



COMFORT FOR THE
PLANET & PEOPLE

Press Book ISH 17th - 21st March 2025

Clivet S.p.A.
Via Camp Lonc, 25 - 32032
z.i. Villapaiera, Feltre (BL) Italia
Tel. +39 0439 31 31
Fax. +39 0439 19 30 219
info@clivet.it
clivet.com

PEC: amministrazione.clivet@pec.it
Codice SDI: EUC8LBT
C.F./Reg. Impr. BL/P.IVA:
00708410253
EU VAT: IT 00708410253

1. Clivet at ISH 2025: Welcome Out, open the door to a natural climate. Innovation and digitalisation
2. SPINCHILLER PRO: a preview of the 210 to 630kW reversible heat pump with R-290 natural refrigerant
3. Protecting nature with EDGE PRO and BIG EDGE PRO the new high-performance residential heat pump - iF DESIGN AWARD 2025
4. CVT8-Y 8-16 HP VRF units with R-32 refrigerant
5. MINI VRF MSAN8-Y with R-32, indoor units and control systems
6. FULLNESS, the new All-in-One heat pump without outdoor unit dedicated to single and multi-family Nearly-Zero Energy homes
7. THUNDER: from Clivet the full inverter reversible heat pump with R-290 natural refrigerant
8. CERVINO the air-to-air SINGLE Split heat pump, with strong and elegant lines, suitable for every interior design
9. AQUA PRO: the heat pump for domestic hot water with natural refrigerant R-290
10. FRESH LARGE EVO: the air renewal unit that simplifies the air conditioning system, increasing its energy efficiency. - Product MCE Excellence Awards 2024
11. ELFOFRESH EVO: comfort, pure air and savings
12. SINERGY: the best solution for a smart, energy self-sufficient, 100% renewable energy home
13. Clivet Smart Living at ISH 2025: the system for integrated management of living comfort
14. Hydro-Split: the split hydronic for residential Clivet heat pumps has arrived
15. Clivet Group

ISH - Frankfurt (17th - 21st March 2025) Stand B70 Hall 12.1

For further information:

Clivet

Barbara Casagrande, T +39 0439 313235 M +39 3499832053 b.casagrande@clivet.it - www.clivet.com

Press office Clivet: Diesis Group

Davide A. Porro, Arman C. Mariani, Valentina Colombo - T +39 02 626931 - clivet@diesis.it



Download press book and pictures
www.clivet.com/area-stampa-press-release

Clivet at ISH 2025: Welcome Out, open the door to a natural climate. Innovation and digitisation

At Stand B70 Hall 12.1 Clivet, which after Midea's acquisition of ARBONIA climate, will present itself for the first time under the MBT Climate umbrella, will present state-of-the-art technological solutions, natural and environmentally friendly refrigerants, interactive simulators for all users and a configurator for professionals visiting ISH 2025. All solutions are designed to offer comfort and well-being in harmony with the environment.



Frankfurt, 17th March 2025 - Welcome Out, Open the door to a natural climate.

At ISH 2025, Clivet invites you to experience a world where natural comfort allows you to forget about air conditioning while respecting nature. A comfortable world is a free world, where each person can express themselves at their best, feel good and flourish.

A large inverted C letter characterises the booth (B70 Hall 12.1), representing a symbolic portal leading to discover the latest technological innovations for a natural and sustainable climate: heating, air conditioning, air quality, integrated comfort and energy management.

Clivet's novelties are the result of a constant commitment to innovation and quality, with the introduction of cutting-EDGE solutions designed to meet the needs of a constantly evolving market.

Many are the previews of solutions proposed by Clivet at ISH 2025:

- SPINCHILLER PRO, the R-290 air-to-water reversible multiscroll heat pump from 210 to 630 kW ideal for very cold climates (down to -20 °C);
- EDGE PRO and BIG EDGE PRO the versatile, compact and silent air-to-water R-290 inverter packaged heat pumps for residential and commercial applications;
- FULLNESS, the new All-in-One heat pump without outdoor unit that combines heating, air conditioning, air renewal and domestic hot water production in a single solution;
- AQUA PRO: the R-290 heat pump for DHW in A+ class
- CVT8-Y outdoor units from 8 to 16 HP, and Mini VRF MSAN8-Y, both with R-32 refrigerant with low environmental impact, ensuring high efficiency, wide range of application, high reliability, better comfort and respect for the environment;

R-290: sustainability is the real priority

The constant commitment to reducing environmental impact continues in the design of air-conditioning solutions with a full life-cycle view. With this in mind, Clivet is exhibiting the new series of heat pumps with natural refrigerant R-290 already introduced to the market:

- THUNDER: reversible air-water heat pump from 40 to 85 kW, with inverter scroll compressors for multi-family and commercial applications, modular type with the widest application range ever;
- CERVINO: the new air-to-air SINGLE Split system with wall-mounted indoor units for residential applications;

Renewed and purified air, not only at home

Clivet has developed a complete range of systems for air quality, a fundamental element for people's health and well-being, at the forefront at ISH 2025:

- the recent FRESH LARGE EVO, the air renewal and purification unit with full inverter technology, thermodynamic recovery and electronic filtration for light commercial applications (such as schools, offices, small retail stores, restaurants, banks, car dealerships) that simplifies the air conditioning system, increasing its energy efficiency
- ELFOFRESH EVO for residential sector

Digital solutions for the residential and commercial sectors

For the residential sector, *Clivet Smart Living* has been developed, the modular and composable comfort and energy management system, which allows the various units to be purchased separately and integrated over time, according to the needs of the home: heat pump, air renewal and purification system, controls, room terminals, SINERGY energy storage, remote management via the renewed Clivet EYE app.

For the management of medium and large sized systems, both in the residential and commercial sectors, as well as in industrial processes, *Clivet Smart Building* has been developed with INTELLIPLANT dedicated to the efficient management of centralised hydronic systems (heat pumps, chillers, multifunctional and pumping units) and INTELLIAIR for the centralised management of Roof-Top autonomous air conditioning units and ZEPHIR primary air in commercial applications (such as shopping centres, multiplex cinemas).

A complete range of heat pumps

In response to the needs of every home, Clivet offers a complete range of heat pumps including: Refrigerant-Split, Hydro-Split and Monobloc heat pumps.

At ISH Clivet introduces the new Hydro-Split heat pumps consisting of outdoor and indoor units hydraulically connected to each other, with various indoor unit models to suit different spaces:

- tower with integrated storage
- built-in,
- wall-mounted with dimensions similar to a boiler
- wall-mounted with small integrated storage

With the new hydronic split heat pumps of the Clivet Smart Living system, the system is tidy, easy and quick to install, even for professionals without an F-Gas licence.

Interactivity for professionals and visitors

At ISH Clivet also offers interactive tools to improve the visitor experience. Professionals can access a configurator that allows them to customise the system best suited to the specific needs of their homes, choosing the various elements of the system and configuring independently or with the support of a Clivet expert the most suitable system for the home they are designing, also in relation to the

building's energy class, climate band, number of occupants, etc.

End users, on the other hand, have at their disposal a simulator to visualise the consumption of the Clivet Smart Living system in different weather conditions and test how much the system's logic contributes to optimising consumption to increase energy independence.

A flower symbolizing well-being

Comfort for Clivet is synonymous with freedom and well-being. For this reason, in 2025, the company started a collaboration with C'è Da Fare ETS, a non-profit association founded by Paolo Kessisoglu and Silvia Rocchi committed to psychotherapeutic support projects for young people in a state of acute psychological and psychiatric fragility, with the aim of bringing them back to life and making them 'blossom again'.

Clivet has therefore chosen the symbol of a flower that blooms as visitors pass by the stand at the fair. The activity will focus on supporting mental health projects of the association C'è Da Fare, promoted on the Italian territory where the company has its production plants.



THUNDER, air-to-water reversible heat pump from 40 to 85 KW with R-290 refrigerant



Clivet Mini VRF MSAN8-Y Compact heat pump outdoor units with R-32 refrigerant



PREVIEW Outdoor units CVT8-Y from 8 to 16 HP using R-32 refrigerant gas, ensuring high efficiency, wide range of application, high reliability, better comfort and respect for the environment



PREVIEW SPINCHILLER PRO, the air-to-water reversible multiscroll heat pump with R-290 from 210 to 630 kW ideal for very cold climates (down to -20 °C);



Clivet Smart Living is an integrated comfort and energy management system for residential applications



EDGE PRO (from 4 to 16 kW) and BIG EDGE PRO (from 18 to 40 kW) are the new air-to-water packaged heat pumps with natural refrigerant R-290 for heating, cooling and domestic hot water in residential applications, also as an alternative to traditional boilers. They have some of the widest operating limits on the market, guaranteeing reliable performance down to -25 °C outside temperature. EDGE PRO can produce water at 80 °C even with -10 °C outside air temperature, while BIG EDGE PRO can produce water at 85 °C down to -15 °C outside air temperature. Energy class A+++ in heating with both low temperature water (35 °C supply water) and medium water temperature (55 °C supply water). Market-leading quietness. New ALTODesign aesthetics, combining elegance and functionality. This series was awarded the prestigious iF DESIGN AWARD 2025 in the 'Product' discipline, category '1.20 Building Technology'.

ISH - Frankfurt (17th - 21st March 2025) Stand B70 Hall 12.1

For further information:

Clivet

Barbara Casagrande, T +39 0439 313235 M +39 3499832053 b.casagrande@clivet.it- www.clivet.com

Press office Clivet: Diesis Group

Davide A. Porro, Arman C. Mariani, Valentina Colombo - T +39 02 626931 - clivet@diesis.it



Download press book and pictures
www.clivet.com/area-stampa-press-release

2. SPINCHILLER PRO: a preview of the 210 to 630kW reversible heat pump with R-290 natural refrigerant

Clivet previews SPINCHILLER PRO, the new 210 to 630kW energy-efficient air-cooled reversible heat pump with R-290 natural refrigerant.

Frankfurt, 17th March 2025 - Maximum efficiency, great adaptability to usage situations, almost zero environmental impact.

Based on these assumptions, to contribute to the fight against climate change, comes the SPINCHILLER PRO, one of the latest additions to Clivet's catalogue with R-290 natural refrigerant, designed with state-of-the-art **Multiscroll technology** and variable speed controlled axial fans.

For a new building or renovation, its ability to produce hot water at high temperature makes it the ideal solution as an alternative or replacement for traditional boilers in large systems, especially when combined with medium or high temperature distribution systems (e.g. radiators). It offers maximum energy efficiency and, thanks to the use of the natural refrigerant **R-290** (GWP = 0,02), the range already **complies with the requirements of the European regulation on fluorinated gases F-Gas (517/2014) which will come into force from 2030 (Self-contained > 50kW)**, making an important contribution to reducing the direct and indirect greenhouse effect.

Maximum Flexibility

SPINCHILLER PRO, will be available in the **210 to 630 kW** power range. It is characterised by high performance and application versatility, thanks to the possibility of managing high delta T on the use side (**up to 12K**), and guarantees high redundancy thanks to the multi-circuit refrigeration solution (from 2 up to 5 independent refrigeration circuits).

Top performance

The unit ensures heating, cooling and domestic hot water production up to **73 °C** and a heating operating range of **-20 °C to +42 °C** outside air. Thanks to its careful design, the unit delivers a heating capacity that closely matches the nominal data, even at very cold outside air temperatures.

“These results have been made possible thanks to the adoption of Multiscroll technology specifically designed to maximise the benefits

of a natural refrigerant such as propane (R-290), a very low GWP refrigerant,” explains Giuseppe Barreca, Clivet's product manager, “while reducing installation constraints, thanks to a refrigerant charge that is always below 10 Kg per circuit, regardless of the power delivered by the unit.”



PREVIEW SPINCHILLER PRO, the air-to-water reversible multiscroll heat pump with R-290 from 210 to 630 kW ideal for very cold climates (down to -20 °C);

ISH - Frankfurt (17th - 21st March 2025) Stand B70 Hall 12.1

For further information:

Clivet

Barbara Casagrande, T +39 0439 313235 M +39 3499832053 b.casagrande@clivet.it - www.clivet.com

Press office Clivet: Diesis Group

Davide A. Porro, Arman C. Mariani, Valentina Colombo - T +39 02 626931 - clivet@diesis.it



Download press book and pictures
www.clivet.com/area-stampa-press-release

3. EDGE PRO and BIG EDGE PRO the new high-performance, environmentally friendly residential heat pumps – Awarded iF DESIGN AWARD 2025

At ISH 2025, Clivet presents its innovative air-to-water packaged heat pumps: EDGE PRO, from 4 to 16 kW and BIG EDGE PRO, from 18 to 40 kW. An advanced technology that contributes to increasing the energy class of residential buildings, with environmental and economic benefits.

Frankfurt, 17th March 2025 - The EDGE PRO and BIG EDGE PRO heat pumps are an efficient and environmentally friendly home comfort solution. Designed to provide heating, cooling and domestic hot water in homes as a valid alternative to traditional boilers, they use the natural refrigerant R-290, which has a very low environmental impact. They are also quiet and easy to use. In terms of energy efficiency, they achieve class A+++ for heating with both low- (35 °C) and medium-temperature water (55 °C), offering exceptional performance even in the production of high-temperature water.

Thanks to the elegance of the new ALTODesign aesthetics, EDGE PRO and BIG EDGE PRO adapt to any requirement and installation type, including outdoor installations as a monobloc version or in combination with a hydronic indoor module.

These heat pumps also provide an ideal solution for those installations where a high level of silence is required, thanks to 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' made of several layers of sound-absorbing material specially designed to reduce compressor noise by up to -25 dB(A).

EDGE PRO and BIG EDGE PRO are characterised by their **wide operating ranges**, guaranteeing reliable performance down to -25 °C outside temperature. EDGE PRO is capable of producing water at 80 °C even at -10 °C outside, while BIG EDGE PRO further increases performance by producing water at 85 °C down to -15 °C outside temperature.

The extended operating ranges, combined with new control logic and different system types, allow a wide range of applications for these units. In larger systems, up to six units can also be connected in cascade.

The **control system is intuitive**, with a full-colour graphic interface that facilitates daily use. The Wi-Fi connection also allows the heat pump functions to be managed via a dedicated app, enabling **remote control**.

The EDGE PRO and BIG EDGE PRO heat pumps are an integral part of the Clivet Smart Living system and are compatible with CONTROL4 NRG for efficient management of the entire appliance. Equipped with the Smart-grid function, they operate within advanced electricity grids or in combination with photovoltaic systems.



EDGE PRO (from 4 to 16 kW) and BIG EDGE PRO (from 18 to 40 kW) are the new air-to-water packaged heat pumps with natural refrigerant R-290 for heating, cooling and domestic hot water in residential applications, also as an alternative to traditional boilers. They have some of the widest operating limits on the market, guaranteeing reliable performance down to -25 °C outside temperature. EDGE PRO can produce water at 80 °C even with -10 °C outside air temperature, while BIG EDGE PRO can produce water at 85 °C down to -15 °C outside air temperature. Energy class A+++ in heating with both low temperature water (35 °C supply water) and medium water temperature (55 °C supply water). Market-leading quietness. New ALTODesign aesthetics, combining elegance and functionality. This series was awarded the prestigious iF DESIGN AWARD 2025 in the 'Product' discipline, category '1.20 Building Technology'.



EDGE PRO event at ISH: Clivet celebrates innovation and design with football icon Oliver Bierhoff

On March 18th from 11:30 am at the Clivet stand Hall 12.1 Stand B70 Clivet presents EDGE PRO, the revolutionary system that won the prestigious iF DESIGN AWARD 2025.

For the occasion, a special guest will be present at the company's stand: football icon Oliver Bierhoff who will share his experience and vision.

Clivet wins iF DESIGN AWARD 2025, an outstanding achievement in international design



Feltre 4th March 2025 - Clivet has been awarded with the prestigious iF DESIGN AWARD 2025 for its R-290 EDGE PRO heat pump series. The award, renowned worldwide, is a seal of quality for design excellence and quality. For over 70 years, the award has been conferred by iF International Forum Design GmbH, one of the oldest independent design institutions in the world.

The award was given in the discipline 'Product', category '1.20 Building Technology' and recognises the innovative and outstanding design of EDGE PRO. Clivet was one of the best out of almost 11,000 entries from 66 countries, a result that underlines the highly competitive nature of this competition.

Clivet's EDGE PRO was chosen by an international jury of experts, made up of 131 independent design professionals, to receive the coveted seal of approval, for its ground-breaking design that integrates ergonomic features for easy maintenance and multibrands approach.

ISH - Frankfurt (17th - 21st March 2025) Stand B70 Hall 12.1

For further information:

Clivet

Barbara Casagrande, T +39 0439 313235 M +39 3499832053 b.casagrande@clivet.it - www.clivet.com

Press office Clivet: Diesis Group

Davide A. Porro, Arman C. Mariani, Valentina Colombo - T +39 02 626931 - clivet@diesis.it



Download press book and pictures

www.clivet.com/area-stampa-press-release

4. CVT8-Y 8-16 HP VRF units with R-32 refrigerant

Frankfurt, 17th March 2025 - With the new CVT8-Y units, presented as a preview and operating with R-32 refrigerant, Clivet continues its commitment to developing air conditioning systems with reduced environmental impact. These VRF (Variable Refrigerant Flow) units, featuring vertical air discharge, offer a capacity between 8 and 16 HP. They inherit and improve the already excellent features of the previous series (which use R410A refrigerant), confirming their position at the top of the sector.

Main features of the CVT8-Y units:

- new SafeBox 2.0: offers greater protection for the electronic boards, reaching IP67 protection rating
- EasyCom 2.0 protocol: improves electromagnetic noise resistance and increases the number of connectable indoor units
- Best performance indexes: offer average energy saving of 12% compared to units with R410A

Distinctive features of the CVT8 series

- EVI vapour injection inverter Scroll compressor: ensures high performance even at low temperatures
- Multisensor: constantly monitors the system to ensure reliability and comfort
- EMS 2.0: advanced algorithm for optimising energy efficiency.

To overcome the limits imposed by the use of A2L gases, such as R32, this series introduces special boxes equipped with shut-off valves that reduce the releasable charge of the refrigerant. This allows VRF systems to be practically installed with no constraints on minimum room areas. The new outdoor units are compatible with the V8 control platform and allow complete local and remote control of system operation. Existing indoor units are already compatible with these new models thanks to their multi-refrigerant capability.

Emilio Barsacchi, Clivet's product manager, comments: 'We are very proud to announce these units, even as preview. Clivet has now become a major player in the VRF market, and these units represent the future of the range. With improved functionality, performance and reliability, the new CVT8-Y represents a benchmark in the sector.'



PREVIEW Outdoor units CVT8-Y from 8 to 16 HP using R-32 refrigerant gas, ensuring high efficiency, wide range of application, high reliability, better comfort and respect for the environment

ISH - Frankfurt (17th - 21st March 2025) Stand B70 Hall 12.1

For further information:

Clivet

Barbara Casagrande, T +39 0439 313235 M +39 3499832053 b.casagrande@clivet.it- www.clivet.com

Press office Clivet: Diesis Group

Davide A. Porro, Arman C. Mariani, Valentina Colombo - T +39 02 626931 - clivet@diesis.it



Download press book and pictures
www.clivet.com/area-stampa-press-release

5. MINI VRF MSAN8-Y with R-32, indoor units and control systems

Efficiency, flexibility, modularity and a significant reduction in installation time and costs are among the main pluses of Clivet's new environmentally friendly series.

Frankfurt, 17th March 2025 - Clivet presents the MSAN8-Y series of Mini VRF outdoor units with R-32 refrigerant offering low environmental impact, high energy efficiency, an operating range down to -20 °C in heating mode, and a high number of connectable indoor units. The units are available with a capacity range from 7.2 to 17.5 kW. The unique feature of these solutions is the ease of positioning in limited spaces, without visually impacting the architecture of the building.

“The development of this series came from an analysis of the needs that the market is facing. - says Emilio Barsacchi, Clivet's product manager - confirming the trend of a general transition towards the use of electric heat pump systems with low environmental impact even in residential or small commercial applications.”

Characterised by a unique single-fan chassis for all sizes, the new series also offers significant advantages during installation, maintenance and operation. For maximum safety in use and to increase installation possibilities, R-32 refrigerant leakage sensors and a shut-off valve are available as optional accessories.

These are the main features of the Mini VRF MSAN8-Y series:

Environmentally friendly **R-32 refrigerant**;

- **Single-fan chassis from 7.2 kW to 17.7 kW**,
- Clivet Design;
- Extended operating range down to -20 °C in heating mode;
- **High number of connectable indoor units**;
- Improved energy **efficiency**;
- Possibility to set multiple **silent** modes;
- **10 priority modes of operation**;
- **Fan** with up to **35 Pa** static pressure for possible ducted air expulsion;
- **Automatic addressing**;
- **Eurovent** certified series;
- **Programmable** intelligent **input/output contacts**;
- Optional safety accessories to **increase installation possibilities**.

“The MSAN8-Y MINI VRF units are compatible with the V8 range of indoor units,” Barsacchi continues, “some of these units are equipped with a presence sensor for superior energy savings, and the wall-mounted units feature an innovative design with frontal air intake that allows them to be installed close to the ceiling, adapting even to rooms with more limited space and guaranteeing optimal operation and comfort.”

Main features of the new V8 indoor units:

- Extended **capacity range**, from **1.5 kW to 56 kW**;
- Operation with both **R-32** and **R-410A** refrigerant for perfect compatibility with all the outdoor unit series of the V6 and V8 platforms;
- **New series** of **slim low-pressure ductable units**;
- **New design** of wall-mounted units allowing **installation close to the ceiling**;
- **New panels** for the **four-way** cassette units, with the possibility of controlling individual louvers;
- **Presence sensor** on **wall-mounted** units and **four-way cassette** units.

To complete the new range and allow maximum efficiency during use, Clivet introduces the **V8 platform control systems** with automatic regulation, which include remote controls, both in a simplified version and with integrated WiFi, centralisers, supervision systems and BMS gateways.

The new range of indoor units and controls, in combination with the external units of the V8 platform, enable further distinctive features including:

- **EasyCom**, the new communication bus for free wiring and greater resistance to electromagnetic interference;
- **MultiSensor**, which increases system reliability by minimising failures;
- **EMS 2**, the system's automatic control algorithm for maximum efficiency.



Mini VRF MSAN8-Y outdoor units with environmentally friendly R-32 refrigerant, high energy efficiency, operating range down to -20 °C in heating mode, high number of connectable indoor units, available with a capacity range from 7.2 to 17.5 kW. Safety instruments available as optional accessories.



The new V8 indoor units, with revamped models for most of the range, bring improvements in both performance and functionality. For example, the presence sensor mounted on board the 4-way and wall-mounted cassettes allows significant energy savings when rooms are unoccupied.

ISH - Frankfurt (17th - 21st March 2025) Stand B70 Hall 12.1

For further information:

Clivet

Barbara Casagrande, T +39 0439 313235 M +39 3499832053 b.casagrande@clivet.it - www.clivet.com

Press office Clivet: Diesis Group

Davide A. Porro, Arman C. Mariani, Valentina Colombo - T +39 02 626931 - clivet@diesis.it



Download press book and pictures

www.clivet.com/area-stampa-press-release

6. FULLNESS, the new All-in-One heat pump without outdoor unit dedicated to single and multi-family Nearly-Zero Energy homes

Clivet presents FULLNESS, the revolutionary All-in-One heat pump solution without outdoor unit that exploits heat pump technology to guarantee total and sustainable comfort for any housing solution: offering efficiency and sustainability, even in small spaces.

Frankfurt, 17th March 2025 - Heat pumps are an ideal solution for air conditioning and a practical and environmentally friendly choice for maintaining a comfortable environment even in confined spaces.

“At Clivet, we have developed the design of air-to-air heat pumps to bring the advantages of this technology to all those situations where space is a determining factor in technological choices. - explains Stefano De Boni, Clivet’s product manager - But that’s not all, thanks to the new FULLNESS we have also reduced purchase and installation costs allowing a wider audience to benefit from the sustainability of making single and multi-family homes with a decentralised system Nearly-Zero Energy”

This multifunctional system offers:

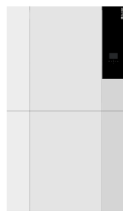
- heating and cooling;
- domestic hot water production;
- mechanical ventilation with thermodynamic recovery;
- electronic filtration and dehumidification.

Thanks to its heat pump technology, FULLNESS guarantees optimal comfort through a system that quickly and precisely regulates temperature and humidity. The colour user interface makes it easy to set the desired conditions.

Its pluses:

1. efficiency and speed - the low thermal inertia of the air allows you to switch quickly from heating to cooling, even in free cooling mode;
2. domestic hot water - the unit can maintain the water temperature in the optional tank, which can be installed under or next to the main module;
3. air purification - electronic filtration removes moisture and pollutants, ensuring healthy and safe air all year round;
4. cost reduction and ease of installation.

FULLNESS uses controlled mechanical ventilation ducts to simplify installation, eliminating the need for central heating units or satellite modules. This reduces installation time and overall costs, thereby increasing energy efficiency and building value.



Preview FULLNESS, the All-in-One heat pump without outdoor unit dedicated to single and multi-family Nearly-Zero Energy homes. Heating, cooling, domestic hot water production, mechanical ventilation with thermodynamic recovery, electronic filtration and dehumidification.

ISH - Frankfurt (17th - 21st March 2025) Stand B70 Hall 12.1

For further information:

Clivet

Barbara Casagrande, T +39 0439 313235 M +39 3499832053 b.casagrande@clivet.it - www.clivet.com

Press office Clivet: Diesis Group

Davide A. Porro, Arman C. Mariani, Valentina Colombo - T +39 02 626931 - clivet@diesis.it



Download press book and pictures
www.clivet.com/area-stampa-press-release

7. THUNDER: The full inverter reversible heat pump from Clivet with R-290 natural refrigerant

Clivet presents THUNDER, the energy-efficient air-cooled reversible heat pump from 40 to 85 kW with R-290 natural refrigerant.

Frankfurt, 17th March 2025 - THUNDER is an innovative solution designed with **full-inverter technology** featuring the latest-generation scroll compressors and axial fans.

For a new building or a renovation, thanks to its ability to produce hot water at high temperature, it is the suitable solution as an alternative or replacement to traditional boilers, in combination with radiator systems. It offers maximum energy efficiency and, thanks to the use of the natural refrigerant (GWP = 0,02) **R-290**, that can be used in the long term as it fully complies with the European F-Gas regulation (517/2014), it contributes to the reduction of the direct and indirect greenhouse effect.

THUNDER is available in the **40 to 85 kW** power range and is characterised by its high performance, application versatility and extended operating limits.

Top performance

The unit achieves outstanding performance for medium temperature applications: with a seasonal **SCOP (W55)** heating efficiency of up to **3.63**, the unit far exceeds the minimum requirements of the Ecodesign (ErP) directive.

THUNDER provides heating, cooling and domestic hot water production up to **75°C** and an operating range in heating of **-20°C to +42°C** outside air. Thanks to its careful design, the unit delivers a heating capacity very close to its nominal data, even at very cold outside air temperatures.

'These results have been made possible thanks to the adoption of full-inverter technology that has been redesigned to use propane (R-290), a refrigerant with a very low GWP - explains Giuseppe Barreca, Clivet's product manager - Another innovative feature of THUNDER is the low noise level obtained (69 dB(A) of sound power in the super silenced version), which makes the unit the ideal solution for noise-sensitive installations such as city centres.

Maximum silence

THUNDER features **3 acoustic levels**, with no change in the size of the unit:

- Acoustic configuration with compressor soundproofing (SC): **basic version**
- Silenced acoustic configuration (LN): **-2 to -4 dB (A) less than the SC version**
- Supersilenced acoustic configuration (EN): **-6 to -10 dB (A) less than SC version**

Safety

THUNDER is designed in full compliance with European safety standards, with additional safety measures such as the ATEX gas leakage sensor and extractor fan. All components are suitable for the use of R-290 refrigerant.

Modularity

THUNDER is designed for modularity, and dedicated hydraulic connections simplify and speed up the installation process. Up to **6 units** can be hydraulically connected in parallel, and up to **16 units** can be managed in a local network.

Modularity can also be configured across units of different capacities. The system obtained by combining several modules retains the strengths of the single module but multiplies its advantages: greater reliability, simplified handling and installation, quick and easy maintenance, scalability, and redundant operation.



THUNDER, air-to-water reversible heat pump from 40 to 85 KW with R-290 refrigerant

ISH - Frankfurt (17th - 21st March 2025) Stand B70 Hall 12.1

For further information:

Clivet

Barbara Casagrande, T +39 0439 313235 M +39 3499832053 b.casagrande@clivet.it - www.clivet.com

Press office Clivet: Diesis Group

Davide A. Porro, Arman C. Mariani, Valentina Colombo - T +39 02 626931 - clivet@diesis.it



Download press book and pictures
www.clivet.com/area-stampa-press-release

8. CERVINO the air-to-air SINGLE Split heat pump, with strong and elegant lines, suitable for every interior design

Frankfurt, 17th March 2025 - CERVINO is Clivet's SINGLE Split air-to-air heat pump that uniquely combines aesthetics and functionality.

With a new approach to design that reflects contemporary trends but is also responsive to the practical needs of everyday life, the residential air conditioning solution was conceived with a user-centered philosophy, aiming to create spaces that inspire and enhance well-being.

Each element has been carefully selected to ensure a harmonious balance between shape and function, making it ideal for an environment that stimulates creativity and productivity.

CERVINO is the solution with wall-mounted indoor units for residential applications, offering an efficiency class A+++ (Cooling) / A++ (Heating), refined aesthetics and great quietness.

Its R-290 technology ensures attention to people's comfort and health: the R-290 refrigerant meets the most stringent requirements of European regulations, combining high performance with respect for the environment.

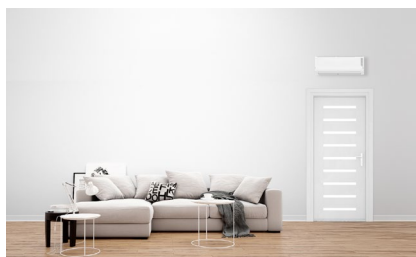
- Management via smartphone, using the NetHome Plus App or Amazon Alexa and Google Assistant voice assistants.
- Comfortable environment with precise adjustment of the fins in both directions, horizontal and vertical.
- Sensor in the remote control to choose the desired temperature

CERVINO is equipped with an advanced purification system:

- the high-density filtration system removes dust and microbes;
- the cold catalytic filter decomposes dangerous gases, such as VOCs, into inert substances such as H₂O or carbon dioxide;
- the activated carbon filter chemically absorbs micro-particles and bacteria, purifying the air and eliminating odours;
- the silver ion filter eliminates up to 99% of air bacteria, limits their growth and proliferation, and is also active against viruses.

Product Manager Andrea Agnoletto comments, "CERVINO is the SINGLE Split system with environmentally friendly R-290 refrigerant

with very high energy efficiency in A++/ A++. The ALTODesign panel, developed by Clivet and entirely designed in Italy, has definite, elegant lines and a matt surface finish that make it suitable for any decor: it is a combination of beauty and elegance, two distinctive features of our country. Its silent operation, multi-directional air flow, Follow-Me function and advanced purification system ensure maximum comfort, while protecting users' health."



CERVINO: SINGLE Split air-to-air heat pump with wall-mounted indoor units for residential applications, efficiency class A+++ (Cold)/A++ (Hot), new elegant aesthetics, sound power 53 dB(A), natural refrigerant R-290.



ISH - Frankfurt (17th - 21st March 2025) Stand B70 Hall 12.1

For further information:

Clivet

Barbara Casagrande, T +39 0439 313235 M +39 3499832053 b.casagrande@clivet.it - www.clivet.com

Press office Clivet: Diesis Group

Davide A. Porro, Arman C. Mariani, Valentina Colombo - T +39 02 626931 - clivet@diesis.it



Download press book and pictures
www.clivet.com/area-stampa-press-release

9. AQUA PRO: the heat pump for domestic hot water with natural refrigerant R-290

Frankfurt, 17th March 2025 - The future of low emissions lies not only in high-efficiency products, but also in a strong focus on the Circular Economy, offering easily recyclable solutions and optimization of emissions, both acoustic and those produced by refrigerants.

At ISH, Clivet is exhibiting AQUA PRO, the new heat pump for domestic hot water production that is in the A+ energy class.

AQUA PRO marks a significant step toward a more sustainable future, combining state-of-the-art technology with aesthetics and functionality-conscious design.

“With AQUA PRO, Clivet once again demonstrates its commitment to finding environmentally friendly and efficient solutions. - Explains Andrea Agnoletto, Clivet's product manager. -The new heat pump reduces its environmental impact thanks to the use of the natural refrigerant R-290 and a design oriented toward reducing the product's carbon footprint, an important step by the entire company toward the concrete defence of environmental sustainability. A clear and quantifiable example is the “top part” of the unit containing the refrigeration circuit, which is made of 30 percent recycled material and thus allows a 16 percent reduction in carbon footprint compared to the use of virgin material.”

The innovative features of AQUA PRO are:

- its sustainability: it uses the natural refrigerant R-290, with virtually zero environmental impact;
- its high performance: it is capable of reaching temperatures up to 65°C only in heat pump mode, ensuring excellent thermodynamic performance;
- an elegant design: its modern and discreet aspect allows it to integrate perfectly into any environment, even outside technical areas;
- maximum quietness: comparable to that of a state-of-the-art refrigerator, with 360-degree integration outside technical areas;
- the ease of use: the user interface is intuitive and simple to use;
- smart compatibility: it can connect with comfort and energy management systems such as CONTROL4 NRG and the Clivet EYE app, enabling more convenient and intelligent management and monitoring.



AQUA PRO, the new silent and elegant ALTODesign heat pump with natural refrigerant for domestic hot water production, which is in energy class A+.

ISH - Frankfurt (17th - 21st March 2025) Stand B70 Hall 12.1

For further information:

Clivet

Barbara Casagrande, T +39 0439 313235 M +39 3499832053 b.casagrande@clivet.it - www.clivet.com

Press office Clivet: Diesis Group

Davide A. Porro, Arman C. Mariani, Valentina Colombo - T +39 02 626931 - clivet@diesis.it



Download press book and pictures
www.clivet.com/area-stampa-press-release

10. FRESH LARGE EVO: the air renewal unit that simplifies the air conditioning system, increasing its energy efficiency. – Product MCE Excellence Awards 2024

Thanks to its distinctive thermodynamic recovery with full inverter technology and filtration with iFD electronic filters, FRESH LARGE EVO is the ideal solution for applications such as schools, offices, small retail spaces, restaurants, banks, and dealerships, whether new construction or existing.

Frankfurt, 17th March 2025 - Clivet is diligently pursuing compliance with the principles dictated by IAQ, further expanding its range of innovative solutions for air renewal, purification and sanitization. FRESH LARGE EVO is the **full-fresh-air air renewal unit with active thermodynamic recovery, environmentally friendly R-32 refrigerant, full inverter technology and electronic filtration**, which simplifies the annual cycle air conditioning system and increases its energy efficiency.

“FRESH LARGE EVO takes advantage of full inverter active thermodynamic recovery technology, not only to fully cover the ventilation load,” says Damiano Rossi, Clivet’s product manager, “but also to help meet indoor loads. In addition, thanks to high-efficiency air filtration, FRESH LARGE EVO stands for high indoor air quality and efficiency, with low consumption throughout the year.

FRESH LARGE EVO - CiSDN-Y EF 1 S, available with air flow rates from 300 to 2500 m³/h, is ideal for applications in commercial, tertiary, and high-surface residential. Its features:

- R-32 refrigerant, which has low GWP (Global Warming Potential) and ensures excellent performance in extreme conditions, low refrigerant charge and high heat transfer coefficient.
- Efficient energy recovery of exhaust air with low ventilation consumption due to active thermodynamic recovery.
- Full inverter technology, which optimizes unit performance even at part load ensuring high efficiencies all year round.
- Contribution to meeting internal loads even at extreme temperatures.
- Highest filtration efficiency with iFD electronic filters (ISO 16890 ePM1 90%), which ensure high air quality and at the same time low ventilation consumption.
- Absence of contamination between exhaust and fresh air flows.

- Intelligent management of free-cooling and room air quality.
- Structure made of 30% recycled EPP for maximum acoustic comfort and thermal insulation, as well as ease of transport and installation.
- Extended operating range down to -20°C in heating.
- Easy system design due to the fact that all components are already integrated on-board.
- Advanced remote control and monitoring solutions.



FRESH LARGE EVO: Full-fresh-air air renewal unit with active thermodynamic recovery, environmentally friendly R-32 refrigerant, full inverter technology and electronic filtration. Air flow rates from 300 to 2500 m³/h, ideal for commercial and tertiary applications.

ISH - Frankfurt (17th - 21st March 2025) Stand B70 Hall 12.1

For further information:

Clivet

Barbara Casagrande, T +39 0439 313235 M +39 3499832053 b.casagrande@clivet.it- www.clivet.com

Press office Clivet: Diesis Group

Davide A. Porro, Arman C. Mariani, Valentina Colombo - T +39 02 626931 - clivet@diesis.it



Download press book and pictures
www.clivet.com/area-stampa-press-release

11. ELFOFRESH EVO: comfort, pure air and savings

Easy installation, high filtration efficiency and up to 60% reduction in consumption thanks to electronic filtration and inverter technology with ELFOFRESH EVO, the innovative Controlled Mechanical Ventilation (CMV) system.

Frankfurt, 17th March 2025 - The **ELFOFRESH EVO** controlled mechanical ventilation and air purification unit **filters, renews and purifies air**. It is the ideal **solution for homes ranging from 90 to 250 m²**, whether for new construction or renovation. **Thanks to its heat pump technology with R-32 refrigerant**, which reduces environmental impact, **and the Free-cooling technology**, which allows for the automatic intake of fresh outside air, **ELFOFRESH EVO satisfies up to 85% of the home's heating and air-conditioning needs** on its own. It can reach **100% in mid-season**, compared to **10% in summer and 45% in winter of a traditional passive system**. In summer operation, ELFOFRESH EVO also **manages the humidity** in the supplied air, maintaining comfort in the indoor environment. Inside the unit there is a sensor that measures the water content in the supply air and keeps it within the limits set through the user interface.

High-efficiency filters with intense dielectric field active electrostatic system iFD purify the outside air before it is introduced, guaranteeing a very high filtration efficiency of up to 90% for ISO and PM1 (ISO EN 16890) and are effective on a **broad spectrum of pollutants**, including **pollen, dust, micro- and nano powders, in particular PM10, PM2.5, PM1, toner, mould, smog, viruses and major bacteria such as legionella**. The thermoelectric shock generated by the ionised section of the filter gives the system a high microbicidal power on sub-microbial particles: their abatement measured by the ILH Institute in Berlin was between 98 and 99%.

Particular care was taken in the design phase to make it extremely easy to install: ELFOFRESH EVO is only 29 cm high and has a shell made of expanded polypropylene, which reduces its weight and, with fans equipped with inverters that automatically adjust their speed according to the type of system, makes it very quiet. Two modes are available to guarantee the desired level of silence: Silent and Super Silent.

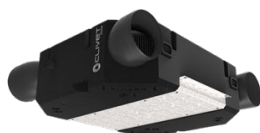
Thanks to the **inverter, the compressor and fan** modulate their operation according to the actual needs of the system. This provides

easy and constant regulation of **comfort and reduces consumption** by up to 60% compared to traditional fans.

The system is completed with **AIRPATH**, the new distribution system which, thanks to flexible walkable and insulated ducts, reduces installation spaces, increasing energy efficiency and overall silence. The reduced number of elements and Plug&Play connections simplify and speed up installation, as well as guaranteeing perfect tightness and reliability. The smooth interior further facilitates air flow by **reducing ventilation consumption**. Finally, the special **AIRJET design diffusers** ensure homogeneous air diffusion and blend perfectly into any architectural context.



ELFOFRESH EVO, air renewal and purification system with active thermodynamic recovery and electronic filtration, which was awarded Domestic Ventilation Product of the Year 2022 at the Energy Saving Awards (UK). Refrigerant R-32



ISH - Frankfurt (17th - 21st March 2025) Stand B70 Hall 12.1

For further information:

Clivet

Barbara Casagrande, T +39 0439 313235 M +39 3499832053 b.casagrande@clivet.it - www.clivet.com

Press office Clivet: Diesis Group

Davide A. Porro, Arman C. Mariani, Valentina Colombo - T +39 02 626931 - clivet@diesis.it



Download press book and pictures

www.clivet.com/area-stampa-press-release

12. SINERGY: the best solution for a smart, energy self-sufficient, 100% renewable energy home

Frankfurt, 17th March 2025 - Choosing to use solar energy to power daily consumption is a key step towards the ecological transition. In both residential and business environments, the advantages of an air-conditioning system integrated with a photovoltaic system are economically relevant, with a significant reduction in utility bills, environmental sustainability and energy independence.

In particular, the **solution to benefit from the free energy of the sun** all year round is the integration of a photovoltaic system and a **storage system**.

The photovoltaic system consists of panels that produce electricity in direct current and an **inverter** that converts this into alternating current, so that it can be consumed at the same time as it is produced (**direct self-consumption**). If it is not used, the energy produced is **sold to the electricity grid**. The storage system, on the other hand, allows for **deferred self-consumption**, avoiding wasting the energy produced and maximising the value of the entire system.

Typically, on a good weather day, the operation of a photovoltaic system with storage follows these simple steps:

- **Morning:** there is a **direct self-consumption** of the energy produced and the excess energy is **stored** in the batteries
- **Afternoon:** the accumulator reaches maximum capacity and the **excess energy** produced is **sold** to the grid
- **Evening:** due to the absence of the sun, **the system stops producing energy**. The energy stored in the batteries is therefore used
- **Night:** once the electricity stored in the accumulator has been used up, **it goes back to drawing energy from the grid**.

Clivet SINERGY is an innovative **energy storage system** for storing the electricity produced by photovoltaic panels during the daylight hours allowing it to be used in the evening and at night. This allows heat pump air conditioning systems to work in complete autonomy and supply energy to all domestic users. The homes thus achieve complete **energy self-sufficiency**. The backup output, with no power or capacity limitations, also ensures continuity of power supply in the event of a blackout.

Maximum efficiency and long life

Thanks to its **dual independent MPPT input** for connection to 6.5 kWp photovoltaic panels in the single-phase version and 20 kWp in

the three-phase version, SINERGY is able to extract the maximum available power from the system in different weather conditions, guaranteeing optimal yields from photovoltaic panels even in colder and less sunny climates. Thanks to LiFePO4 technology and the BMS built into each battery, a system life of up to 10,000 charge/discharge cycles is guaranteed.

SINERGY is **modular and easy to install**: it can also be placed outdoors and is available in **single-phase and three-phase** versions, both with four sizes, depending on the energy that can be stored:

- 5kW hybrid inverter with 5/10/15/20 kWh battery packs in the single-phase version
- 10kW power hybrid inverter with 10/20/30/40 kWh battery packs in the three-phase version

The solution is suitable for both **new installations** and **retrofit** applications, where a photovoltaic system with the corresponding proprietary inverter is already in place.

For new installations, the Clivet SINERGY hybrid inverter allows the storage system to be connected at the same time both to the electricity grid and to the photovoltaic panels for recharging during sunny hours, thus being less expensive and easier to implement. In existing systems, it can be connected directly to the home grid and operate in the presence of other inverter devices.

The two independent string inputs allow Clivet SINERGY to extend the photovoltaic field, at no additional cost, thus increasing energy production capacity, in total autonomy.

As **part of Clivet Smart Living**, the complete integrated comfort and energy management system, SINERGY makes it possible to aim for home energy self-sufficiency.

At the heart of the system, **CONTROL4 NRG activates the resources required to satisfy room comfort, always taking into account the availability of electricity produced by the photovoltaic system and that stored in the electrical storage system.**

Based on the availability of electrical energy produced by the photovoltaic system, the system provides the residential context with superior comfort and at the same time prevents peaks in electrical absorption typical of the evening hours, due to the heat pump being

switched on, while also exploiting the SINERGY electrical storage system to supply the domestic utilities.

The correct sizing of the systems, together with favourable climatic conditions, therefore makes it possible to manage home comfort and the heating of domestic hot water storage completely free of charge, achieving the goal of an **energy-independent home**.



SINERGY: energy storage for storing the electricity produced by photovoltaic panels during sunshine hours and using it during the evening and night. SINERGY is modular and easy to install, can also be placed outdoors and is available in single-phase and three-phase versions, both with four sizes, depending on the energy that can be stored: 5kW power hybrid inverter with 5/10/15/20 kWh battery packs in the single-phase version - 10kW power hybrid inverter with 10/20/30/40 kWh battery packs in the three-phase version.

ISH - Frankfurt (17th - 21st March 2025) Stand B70 Hall 12.1

For further information:

Clivet

Barbara Casagrande, T +39 0439 313235 M +39 3499832053 b.casagrande@clivet.it - www.clivet.com

Press office Clivet: Diesis Group

Davide A. Porro, Arman C. Mariani, Valentina Colombo - T +39 02 626931 - clivet@diesis.it



Download press book and pictures
www.clivet.com/area-stampa-press-release

13. Clivet Smart Living at ISH 2025: the system for integrated management of living comfort

Frankfurt, 17th March 2025 - Energy independence of homes is increasingly crucial from both an economic and an environmental perspective. Thanks to technological innovation, individuals and businesses can now significantly reduce their dependence on traditional energy networks. Clivet has embarked on a revolution in the way living comfort is managed, thanks to the introduction of advanced solutions that improve the quality of life by promoting a more sustainable use of resources.

An example of this approach is Clivet Smart Living, the integrated system designed to manage comfort and energy efficiency in homes.

Clivet Smart Living is the modular solution that optimises energy consumption related to air conditioning, aiming to achieve energy independence. The system can be equipped with new components over time, both to improve indoor comfort and to increase energy capacity in response to new needs.

The system consists of several advanced technologies:

- heat pumps, available in a wide range to suit various types of homes, new or more aged. Options include:
 - split heat pumps with environmentally friendly R-32 refrigerant;
 - monobloc heat pumps with R-32 and R-290, offering high thermodynamic performance with reduced environmental impact;
 - Hydro-Split heat pumps.
- The ELFOFRESH EVO air renewal and purification system, which includes active thermodynamic recovery and electronic filtration to ensure healthy indoor air;
- The AIRPATH air distribution system, designed to optimise air distribution throughout the home;
- The ELFOROOM² and MOOD room terminals: these devices are silent, compact and aesthetically pleasant, certified by EUROVENT for energy efficiency.
- Clivet SINERGY: the electrical energy accumulator that integrates with photovoltaic panels, allowing the comfort system and domestic utilities to be powered even when there is no sun.
- The smart thermostats, equipped with sensors to monitor temperature and humidity in each room, which together with

CONTROL4 NRG are able to collect data on consumption and energy production;

- Air quality sensors, to monitor various parameters such as temperature, humidity, ambient noise and pollutant levels, ensuring a comfortable environment at all times;
- the CONTROL4 NRG centralised management: this system allows to control up to 24 independent zones, optimising energy consumption and contributing to home's energy independence.
- the Clivet EYE App, an application for remote control of all the elements of the Clivet Smart Living system, monitoring the energy produced and consumed by the home.



Clivet Smart Living is an integrated comfort and energy management system for residential applications that includes: heat pumps for heating, cooling and domestic hot water production, air renewal and purification system, electrical energy storage, smart thermostats, room terminals, Clivet EYE App for remote management via smartphone and PC.



Clivet Smart Living system heat pump outdoor unit.



Packaged heat pumps with the natural refrigerant R-290, EDGE F and EDGE PRO, combine excellent thermodynamic properties with a very low environmental impact index (GWP = 0,02).



ELFOFRESH EVO air renewal and purification system with active thermodynamic recovery and electronic filtration



Room terminals, with hydronic module, energy efficient, silent, compact with elegant design ELFOROOM² EUROVENT certified



Clivet SINERGY, the Clivet electrical energy accumulator, for single-phase and three-phase systems that can be connected to photovoltaic panels to power the system dedicated to comfort and supply energy to all domestic users, not only during sunshine hours and in the summer season, but also in the evening, at night and on the coldest days.



Smart thermostats equipped with temperature and relative humidity sensors positioned in each zone/room. Combined with CONTROL4 NRG, they allow the same device to acquire different types of information from all the elements of the electrical house such as temperature, humidity, electrical consumption of the house, electricity produced by the photovoltaic system, charge level of Clivet SINERGY



Air quality sensors, to ensure perfect comfort by detecting temperature, relative humidity, ambient noise, VOC, carbon monoxide, carbon dioxide and methane values, providing the air quality index for each monitored zone



CONTROL4 NRG centralised management and control system, the heart of the system, which makes it possible to maximise energy consumption to allow the home to achieve energy independence, exploiting the two forms of accumulation with which the home can be equipped: the electrical accumulation available with Clivet SINERGY and the thermal one, using the heat pump in an intelligent way during hours of solar radiation to provide a higher level of comfort.



App Clivet EYE that gathers in a single app the control of all the elements that make up Clivet Smart Living and the energy produced and absorbed by the house, allowing the entire system to be managed comfortably from remote, via smart-phone.

ISH - Frankfurt (17th - 21st March 2025) Stand B70 Hall 12.1

For further information:

Clivet

Barbara Casagrande, T +39 0439 313235 M +39 3499832053 b.casagrande@clivet.it - www.clivet.com

Press office Clivet: Diesis Group

Davide A. Porro, Arman C. Mariani, Valentina Colombo - T +39 02 626931 - clivet@diesis.it



Download press book and pictures

www.clivet.com/area-stampa-press-release

14. Hydro-Split: the split hydronic Clivet heat pumps for residential has arrived

Clivet's wide range of heat pumps is enriched with the new Hydro-Split, consisting of an external monobloc heat pump from the EDGE family and a hydronic module, connected by hydraulic connections through which water flows. A novelty to ensure natural comfort at home while respecting the environment.

Frankfurt, 17th March 2025 - **Clivet's Hydro-Split** heat pumps provide an **efficient, environmentally friendly and space-saving** solution for the residential sector, delivering the ideal climate all year round.

The new solution consists of an external monobloc heat pump from the EDGE family and a hydronic module, which are connected via water-flowing hydraulic connections.

The hydronic module is available in different versions to suit all types of homes:

- **Hydro-Split TOWER version (HQCN-NEE 1 TC)** with 190 and 250 litre domestic hot water storage and a wide range of integrated accessories
- **Hydro-Split BOX version (HQCN-NEE 1 BC)** with compact dimensions similar to those of a boiler, rich equipment, 12-litre expansion tank and 15-litre buffer tank
- **Hydro-Split INVISIBLE version (HQCN-NEE 1 IC)** space-saving built-in solution with new aesthetic cabinet for outdoor installation
- **Hydro-Split MINI version (HQCN-NEE 1 MC)**, ideal for mini-apartments with 50 litre domestic hot water storage tank

The packaged outdoor heat pump is available with the ecological refrigerant R-32 (EDGE EVO 2.0) or with the natural refrigerant R-290, EDGE F, which combines excellent thermodynamic properties with a very low environmental impact index (GWP = 0,02).

"The combination of the monobloc heat pumps of the EDGE family (R-32 and R-290) and Clivet's indoor hydronic modules has allowed us to realise the new water split systems. - explains Stefano De Boni, Clivet's product manager - This solution makes it even easier to install and maintain systems in the residential sector, guaranteeing maximum energy efficiency and reducing running costs by more than 20%."

The hydronic modules enclose many of the components needed to complete the system for both heating/cooling and domestic hot water production and management. This feature not only ensures an excellent plug-and-play solution, but also makes the installation space-saving and neat at the same time.

Furthermore, installing these heat pumps does not require an F-gas licence, as the refrigeration circuit is located in the unit outside the home.

The new heat pump series are suitable for both new buildings and renovations, even in cases where the building envelope cannot be upgraded and radiators are to be retained, as the models with an R-290 outdoor unit guarantee reliable operation in heating down to -25 °C outside air and water production at 80 °C.

The control system, with a full-colour graphic interface and Clivet's design, ensures **maximum user-friendliness**. The Wi-Fi connection, enabling communication with the **dedicated app**, allows all the main functions of the heat pump to be **managed remotely**.

The Hydro-Split heat pump series is an **integral part of the Clivet Smart Living** concept thanks to its compatibility with the CONTROL4 NRG comfort and energy management and control system, able to govern the operation of the entire system guaranteeing ease of use, high performance and improved comfort in all environmental conditions.

The wide range of Clivet heat pumps offers the most effective and efficient solution for every housing:

- Refrigerant-Split heat pumps with ecological refrigerant R-32, recognised as KlimaHaus QualitätsProdukte (KlimaHaus Quality Products) and available in tower, box, built-in versions.
- Packaged heat pumps with ecological R-32 refrigerant, EDGE EVO 2.0.
- New monobloc heat pumps with the natural refrigerant R-290 (propane), EDGE F, EDGE PRO and BIG EDGE PRO that combine excellent thermodynamic properties with a very low environmental impact index (GWP = 0,02).



Hydro-Split The system consists of an outdoor unit and an indoor unit, connected together by hydraulic connections through which water flows. This type of solution is complete and very easy to install, while remaining very versatile. Installation does not require an F-GAS licence and is an excellent compromise between more complex systems and installations.



Packaged heat pumps with the natural refrigerant R-290, EDGE F, combine excellent thermodynamic properties with a very low environmental impact index (GWP = 0,02)



Clivet's Hydro-split systems offer 4 different hydronic modules to suit every home: Hydro-Split BOX version (HQCEN-NEE 1 BC), Hydro-Split MINI version (HQCEN-NEE 1 MC), Hydro-Split TOWER version (HQCEN-NEE 1 TC), Hydro-Split INVISIBLE version (HQCEN-NEE 1 IC)



ISH - Frankfurt (17th - 21st March 2025) Stand B70 Hall 12.1

For further information:

Clivet

Barbara Casagrande, T +39 0439 313235 M +39 3499832053 b.casagrande@clivet.it- www.clivet.com

Press office Clivet: Diesis Group

Davide A. Porro, Arman C. Mariani, Valentina Colombo - T +39 02 626931 - clivet@diesis.it



Download press book and pictures
www.clivet.com/area-stampa-press-release

15. Clivet Group

Founded in Feltre (BL) in 1989, for over 35 years Clivet has been designing, manufacturing and distributing air conditioning and air handling systems with high efficiency and minimum environmental impact for the comfort and well-being of people.

The company exports to 100 countries worldwide with a network of distributors and 8 branches in the UK, South East Europe, France, Germany, United Arab Emirates, Russia, India and China. In Italy, Clivet has a widespread presence with 36 agencies, 185 service centres, 290 dealers and installer partners specialising in residential systems.

Clivet's facilities in Veneto region (Italy) cover a production area of over 50 thousand square metres.

The company began its activity with the production of chillers and heat pumps, and then continued over the years with the development of specialised systems based on rooftop units, water loop systems and systems dedicated to the residential sector. In 2016 it completed its offer by integrating it with VFR, SINGLE/MULTISplit products.

In 2023 it also opened a new office in Milan with a training area and inaugurated the renovated Clivet University in Feltre, dedicated to the theoretical and practical training of HVAC professionals.

In 2025, the opening of a new production area in Feltre and a site dedicated to research and development in Padua are planned.

Clivet has made the Smart Building concept one of its strong points, developing a series of management and control systems for all air-conditioning systems of all sizes and for all applications, from medium and high-power centralised hydronic systems to those for apartment blocks and single dwellings, for which with Clivet Smart Living the heat pump becomes part of an integrated system that manages heating, air-conditioning, domestic hot water production, air renewal and purification, and energy.

MBT Climate is born

In 2025, with the completion of the acquisition of ARBONIA climate by the Midea Group, Clivet, together with ARBONIA climate, forms a strong new European HVAC company, MBT Climate, with the aim of leading the energy transition in Europe together.

