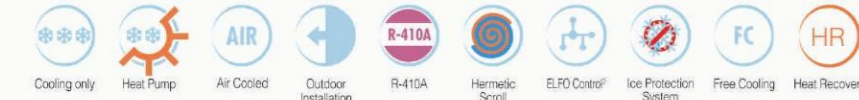


### AIR COOLED SCROLL CHILLERS



WSAT XEE : Scroll Chiller and Heat Pump  
7 to 61 TR (24 to 216 kW)

Functions and Features



WSAT XSC<sup>3</sup> : Highly energy efficient liquid chiller and Heat Pump equipped with Scroll Compressors, wide thermal exchange surfaces and electronically - controlled fans  
75 to 367 TR (267 to 1290 kW)

Functions and Features



### AIR COOLED SCREW CHILLERS



WDAT SL<sup>3</sup> : Class A Energy Efficiency with Stepless control and Economizer circuit  
132 to 404 TR (467 to 1423 kW)

Functions and Features



### ROOF TOP UNITS



CKT XHE / CSRT XHE<sup>2</sup> : Autonomous Rooftop Air conditioning units with advanced energy control  
3.61 to 107 TR (13 to 376 kW)

Functions and Features



### WATER COOLED SCREW CHILLERS



LS B LG XXX - M C F : Screw Chiller  
R134a, 97~506 RT, COP:5.6~5.9, Flooded  
R22, 163~560 RT, COP:5.6~5.8, Flooded



- Advanced twin-rotor screw compressor
- Flooded Or direct expansion type
- 380/400/415V- 3Ph-50Hz or 380/440/460V-3Ph-60Hz



LS B LG XXX - M C F : Screw Chiller  
100~490 RT, COP:5.9~6.2, R134a, Full Falling Film

### WATER COOLED CENTRIFUGAL CHILLERS



Magnetic Chiller  
150~700 RT, COP:5.8~6.1



- Features : Oil free / Inverter compressor / Less refrigerant charge



Direct-drive, Inverter  
250~550 RT, COP:6.2~6.5 Full Falling Film

- Variable frequency drive motor
- Dual stages compressing with automatic force balancing technology
- Less friction and very high efficiency
- Super low operation noise



High Efficiency : H:600~2200 RT, COP:6.1~6.3  
Super High Efficiency : E+:600~2200 RT, COP>6.7

- Friendly refrigerant - R134a Refrigerant
- Flooded type evaporator for single stage unit and full falling film evaporator for dual stage chiller
- Visual controller – touchscreen

### FRESH AIR MANAGEMENT



ZEPHIR<sup>3</sup> : 100% Packaged TFA Unit with Thermodynamic Heat Recovery

- Features :
- Cooling, Heating, Dehumidification, Humidification, Electronic Filters having H10 efficiency, no cross contamination

Functions and Features



### AIR to WATER HEAT PUMPS



WSAN XIN : Ultra compact Inverter Driven Heat Pumps for generating hot water 5 kW to 50 kW

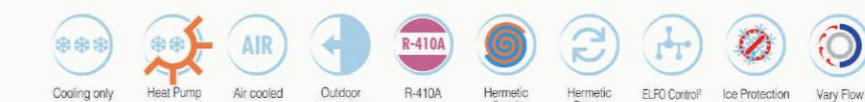
WSAN XEM : High efficiency reversible Heat Pumps for generating hot water 155 kW to 380 kW and cold water 139 kW to 321 kW

WSAN XSC<sup>3</sup> : Reversible Heat Pumps for generating hot water 243 kW to 1186 kW and cold water 283 kW to 1391 kW



WBAN : VULCAN Medium is a high temperature Heat Pump  
14 kW to 103 kW

Functions and Features



### WATER to WATER HEAT PUMP



WSH XEE<sup>2</sup> : Scroll Heat Pump  
30 to 300 kW



WSH XSC : Scroll Heat Pump  
194 kW to 558 kW

Functions and Features



### MULTIFUNCTION UNIT



WSHF XSC : High Efficiency monoblock unit for centralised systems, able to provide both simultaneous & Independent Heating & Cooling.  
173 to 500 kW

Functions and Features



### VRF SYSTEMS



VRF 3~88P : Series : V4+i, V4+K, V4+S, V5 X, V4+W, Digital Mini, D4+, Tropical D4+

V - DC inVerter



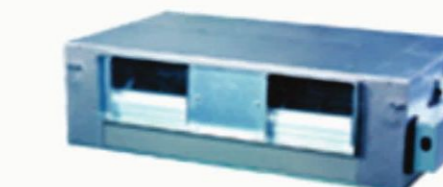
D - Digital Scroll



### AIR HANDLING UNIT



Four-way Cassette  
1 Tr to 4 Tr



FCU 150~2200 CFM



AHU 2000~2000,000 m3/h

### AUTOMATION



Features & Benefits:

- System Energy Saving
- Modular Design (Different Requirement)
- Intelligent Analysis

Application:  
Energy saving requirement



BMS



REFERENCES

Few Prestigious Installations



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The European way to Comfort

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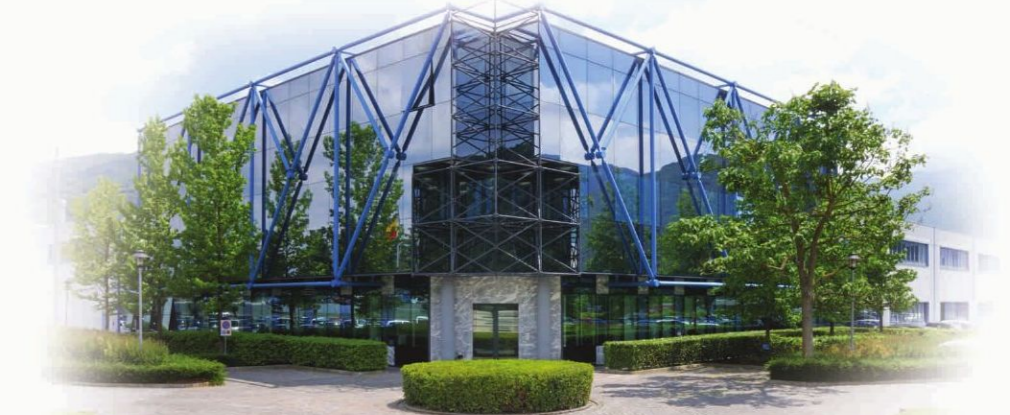
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Clivet is a European leading company that for 27 years has been designing, producing and distributing systems for **Cooling, Heating, Air Ventilation & Purification** with a wide range of solutions for residential, commercial and industrial applications.

The development of specialized and efficient solutions for annual Air conditioning systems for Commercial & retail applications makes Clivet a reference Company both in Italy and in Europe.

TECHNOLOGIC EVOLUTION



- 1989**  
**Clivet Foundation**  
Introduction of compact High Efficiency Chillers equipped with PHE
- 1990**  
Innovative large application of Scroll Compressors
- 1992**  
Start up of Roof Top Units
- 1994**  
Development of high capacity chillers with semihermetic compressors
- 1996**  
ELFO hydronic terminal units with variable speed DC fans
- 1997**  
System and application department develops specific solutions based on user needs Decentralized system WLHP (Water Loop Heat Pump) by energy transfer
- 1998**  
Specialized patented high attendance CSNX Roof Top Units, with active thermodynamic recovery and DC fans for Multiplex Cinemas and Theaters Large capacity Chillers and Heat Pumps for large commercial surfaces
- 1999**  
Entered the CAC field
- 2001**  
**ELFO Energy** : A milestone in the development of low-mid capacity chillers & heat pumps with high efficiency at partial loads thanks to the introduction of two compressors of different size
- The R134a (LC) series centrifugal chiller was named as the national key product
- 2002**  
**SPIN Chiller Series** : A milestone in the development of large capacity chillers & heat pumps with high efficiency at partial loads, thanks to the use of 3 compressors

- 2004**  
**Clivet Foundation**  
Introduction of compact High Efficiency Chillers equipped with PHE
- Acquired MGRE entered the chiller industry
- 2005**  
Strong development of heat pumps in every application field
- 2006**  
Strong development of heat pumps in every application field
- Launched the first Chinese VSD centrifugal chiller unit
- 2007**  
Won the first Media centrifugal chiller project overseas
- 2008**  
**ELFO Energy GAIA** : The first residential integrated system, that provides heating, cooling and domestic hot water, with possibility of direct connection to solar panels
- Developed the Smart Star new generation Semi-hermetic centrifugal chiller
- 2010**  
Launched the centrifugal heat pump chiller units
- 2013**  
Launched the first super efficiency centrifugal chiller with dual stage compressor and full falling-film evaporator
- 2014**  
Proudly introduced the new series of water cooled screw chillers, featuring high efficiency
- 2015**  
An international strategic platform brings Midea Group, Carrier Corporation and Chongqing Mechanical & Electrical come together for the chiller business in the field of commercial air conditioners
- 2016**  
Strategic alliance between Midea and Italy's Clivet

Quality Certifications



CLIVET/1406/2017