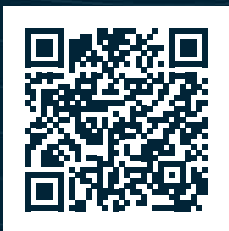


Commercial **Brochure**  
**2023**

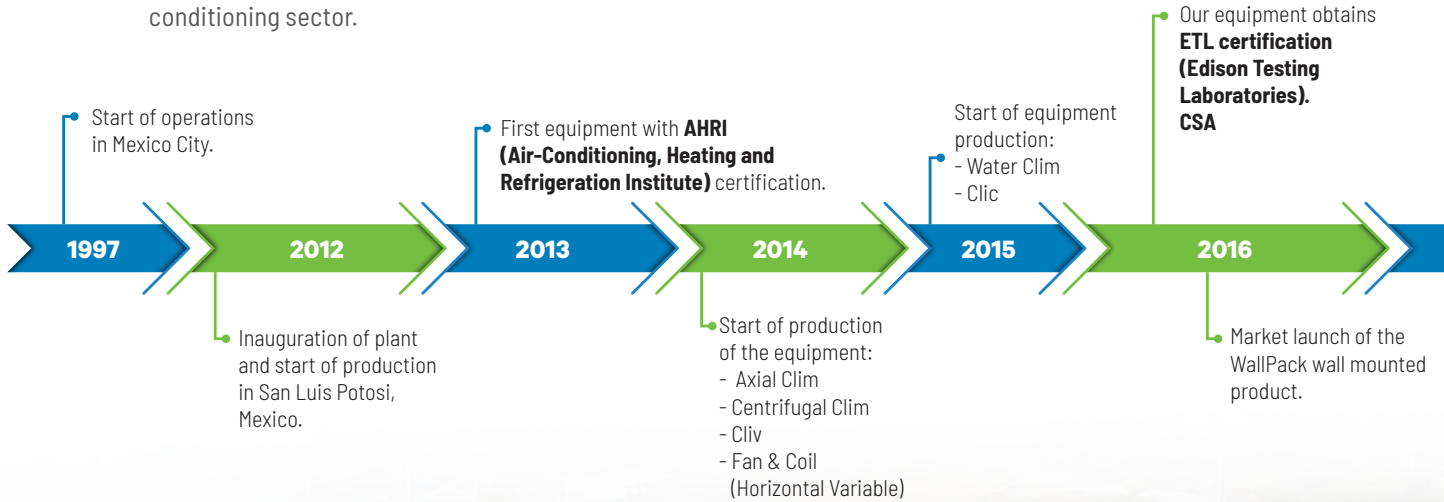


**Clima-Flex**<sup>®</sup>

Air Conditioning  
a member of **DAIKIN** group



We are a company focused on quality. Our mission is to specialize in satisfying the comfort needs for residential, commercial, industrial and mixed-use applications. Our strategic location in the city of San Luis Potosi, allows us to distribute our products in an agile and efficient way to all the national territory. Our products are manufactured with advanced technology and are endorsed by the most important certifications in the air conditioning sector.



#### MISSION

To achieve customer satisfaction and exceed their expectations by generating technological solutions that provide safe, healthy and comfortable spaces.

#### VISION

To be a benchmark and global leader in integrated air conditioning solutions thanks to our constant innovation, the talent of our employees and the trust of our customers.

#### PURPOSE

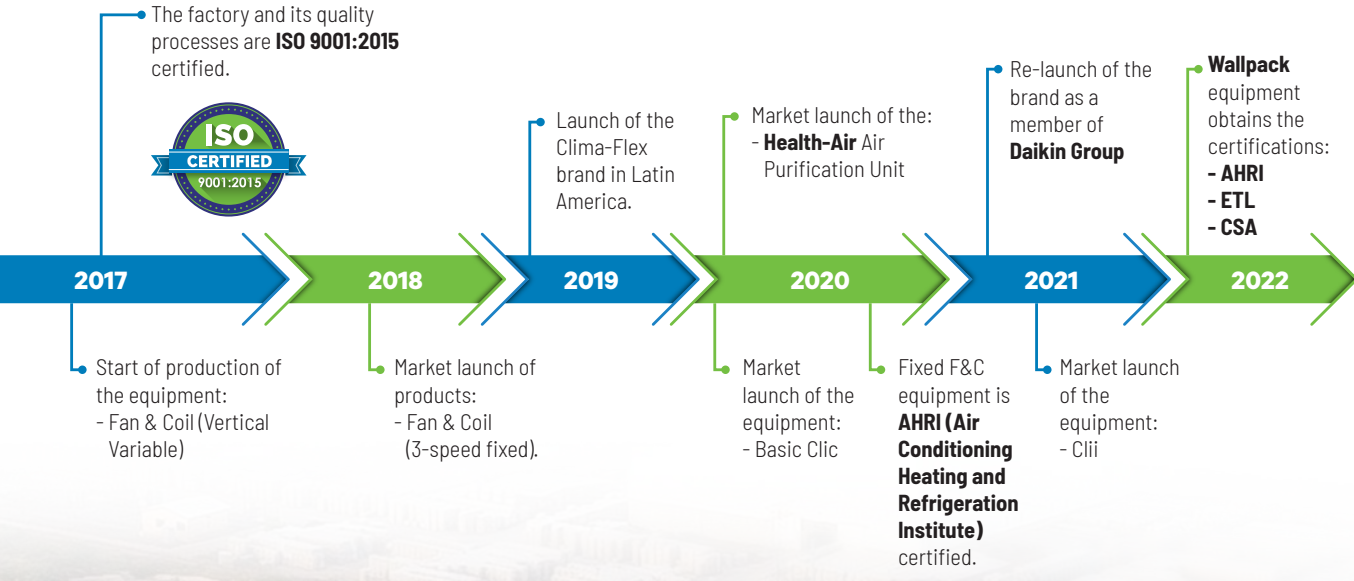
We seek continuity and growth with passion and efficiency by being a platform for professional and personal development, and a company committed to our employees, society, our customers, suppliers and the industry. We are an organization that seeks the well-being of people and to improve their quality of life. We support the development of the country by having a positive impact on society and contributing to the communities where we are located.





# Who

## History / Achievements



## Commercial Differentiators

### Certifications



Clima-Flex's mission is to produce equipment of the highest quality, efficiency and safety. To meet this goal, we operate under a strict continuous improvement program (ISO 9001:2015). Our products have the most important certifications in the HVAC industry such as AHRI and ETL, as well as ASHRAE 90.1.

### We are Members of:



Clima-Flex belongs to the most important international associations specialized in the HVAC industry.

### Applied Technologies



Our VRW (Variable Refrigerant Water) system in the equipment makes them adaptable (variable) as they include advanced technology. They improve energy efficiency and increase efficiency by adjusting precisely to demand.

### Coatings



All our products are manufactured using an electrostatic powder coating process that complies with ISO-9227 (1,500-hour salt spray test). In addition, we offer various options for corrosion protection in saline environments.



## Commercial Advantages



Clima-Flex products use limited Advantages quantities of R-410A refrigerant, which do not contain elements that attack the ozone layer (bromine and chlorine), nor is it a factor of global warming. R-410A is the most environmental friendly refrigerant. This limited use of refrigerant rate our products for certified LEED projects.



The electronic bypass valve automatically reduces the water circuit, thus saving the installation of the external bypass. It isolates modules independently, allowing maintenance without shutting down the system. In case of failure the affected module is isolated without affecting the rest of the installation.



The balancing valve allows precise water flow to maintain cooling efficiency at all times.



Clima-Flex uses AC fans, which are more efficient. Thanks to their serrated blade design, they minimize vibration, making them quieter.



The ultrasonic flow sensor (in clim family) allows the exact measurement of the water flow that reaches the equipment; since it has no moving parts, its wear is practically null. It does not require maintenance.



MicroChannel condensers increase performance. They allow better heat transfer, reduced refrigerant usage, corrosion resistance, low risk of leakage, simple and fast repair.



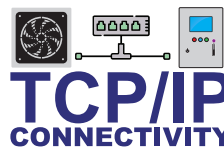
The thermal dispersion sensor enables reliable monitoring of fluids inside pipelines. It is easy to adjust for quick on-the-fly response.



Our products have a reduced footprint, which allows for easier and less costly maneuvers since they can also be inserted through service doors and elevators for installation.



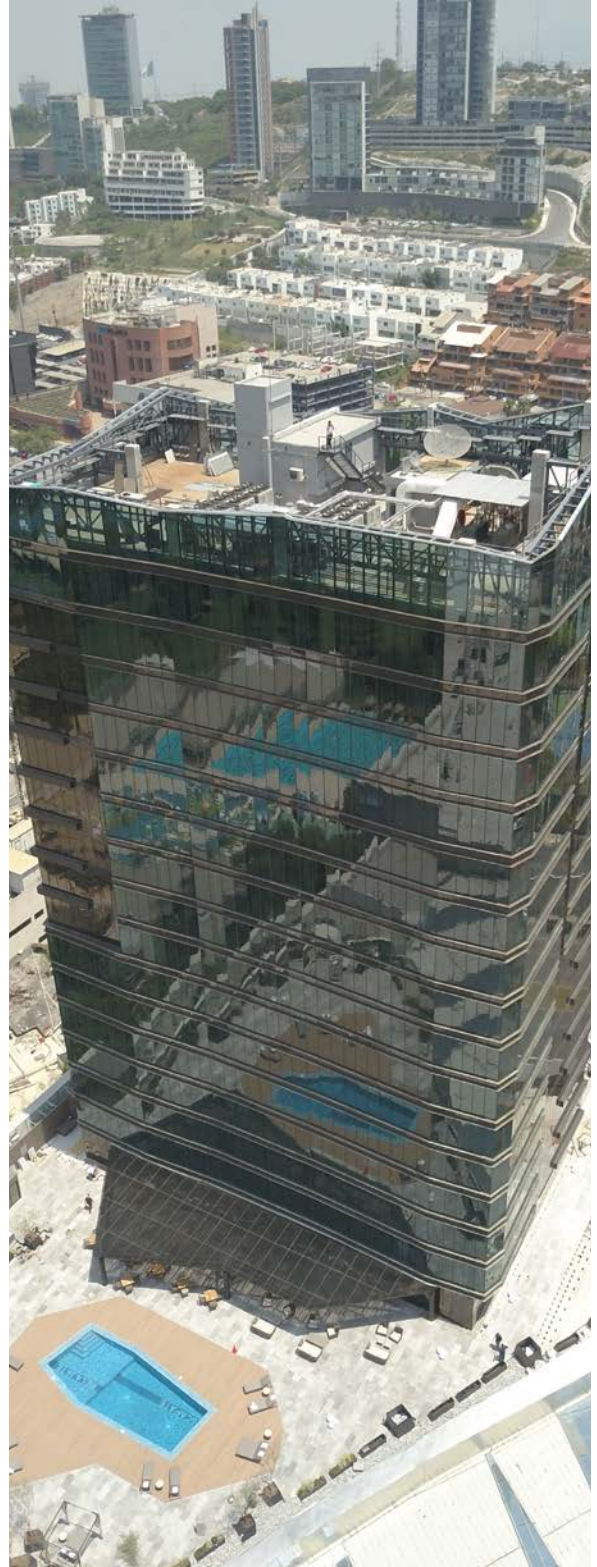
The decanter filter allows filtering impurities from the water into the internal system and can be visually inspected thanks to its transparent cup.



Our products are easily connected to local area networks (LAN) and to the Internet (WAN) under TCP/IP protocol. We use Modbus and BACnet IP protocols for integration into supervisory systems.

# Content

- Technology .....7
- Cliv **Series** ..... 9
- Clim **Series** ..... 12
  - Clim Axial **Series** ..... 13
  - Water Clim **Series** ..... 16
- Clii **Series** ..... 19
- Clic **Series** ..... 23
  - Axial Clic **Series** .....24
  - Stand-alone Axial Clic **Series**..... 28
- Air Handling **Series** ..... 30
  - ClifC Horizontal Fixed **Series** ..... 31
- Direct Expansion **Series**..... 32
  - ClifWP **Series** ..... 33
- Clima-Flex **Connectivity** ..... 35
- Reference **Sites** ..... 36





# VRW Technology

What is it?



The system **VRW** (Variable Refrigerant Water) was created to attend HVAC needs using water as a heat transfer medium. It is an easy to install and simple to operate system that does not require specialized labor or high cost components. Among its advantages are:

- Options for mixing hydronic components of different brands.
- Minimal refrigerant use in chiller units.
- Water as heat transfer medium.
- Simple and agile changes in the location of terminal units by not using expensive copper piping and specialized labor.
- Eco-friendly R-410A refrigerant.
- Reduced health risks by not pumping refrigerant to the terminal units or inside the system.
- Significant savings in installation by using different materials than copper, such as PVC, flexible hose, thermoformed polypropylene.
- Water pumping is very simple and inexpensive, which maximizes system efficiency at a lower cost. There is no capacity loss in the terminal units regardless of their distance from the chiller.
- The variable system generates energy savings, which allows a return on investment.
- It allows chilled water to be generated when electric power is cheaper and stored for later use, generating extra savings via thermal storage. Permite el uso de calefacción y enfriamiento radiante.
- Hydronic components are easy to find and low cost.
- The modular design of the VRW system generates savings on the initial investment by allowing additional capacity to be added on demand.
- Simple, agile and economical maintenance without costly specialized personnel and labor.
- Open protocol for communications and control. No costly annual licensing fees.
- Component life is extended, maximizing the initial investment.

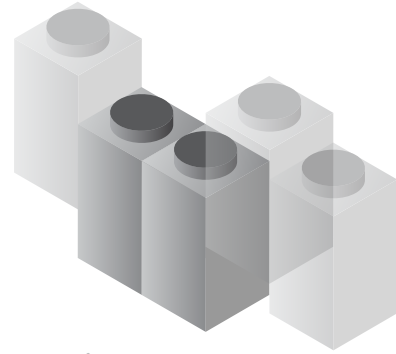
## VRW Thecnology

*How does this work?*

Clima-Flex specializes in design and manufacturing of modular chillers that meet the needs of our customers and the market with a fresh and modern contribution.

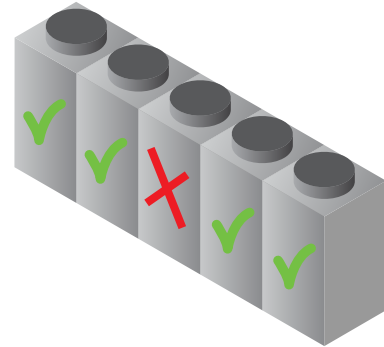
### FLEXIBILITY

Clima-Flex modular units are designed to be coupled together and combined to meet different capacity needs. If the project requires higher capacity, modules can be easily added. Clima-Flex units can operate independently or in a tandem installation.



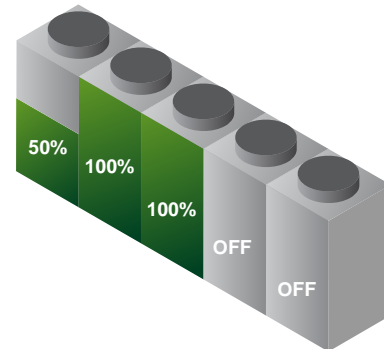
### REDUNDANCY

At the time of maintenance or failure, the modular equipment allows for redundancy. This means that when a module is put into standby mode, the system will continue to operate on a regular basis, allowing for maintenance or revision of the equipment, so the system will continue to working without affecting its operation or the user.



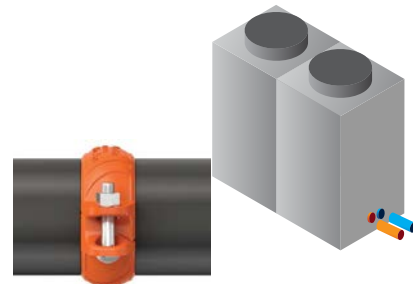
### ENERGY SAVING

Units based on quality and technology vanguard provides a high return on investment and a reduction in costs. Being a modular system, it only uses the necessary energy. On startup, the tandem operates with a single module, and as demand increases the other modules are enabled individually, likewise the tandem will decrease its operating demand when the building is partially vacant, thus saving energy.



### EASY INSTALLATION

The units are designed for easy installation. The Victaulic connections allow for quick installation of water piping. The connections are located on both sides of the unit, so piping can be connected on either side of the unit. The units have a rigid base that balances the weight of the unit and allows for easy installation.



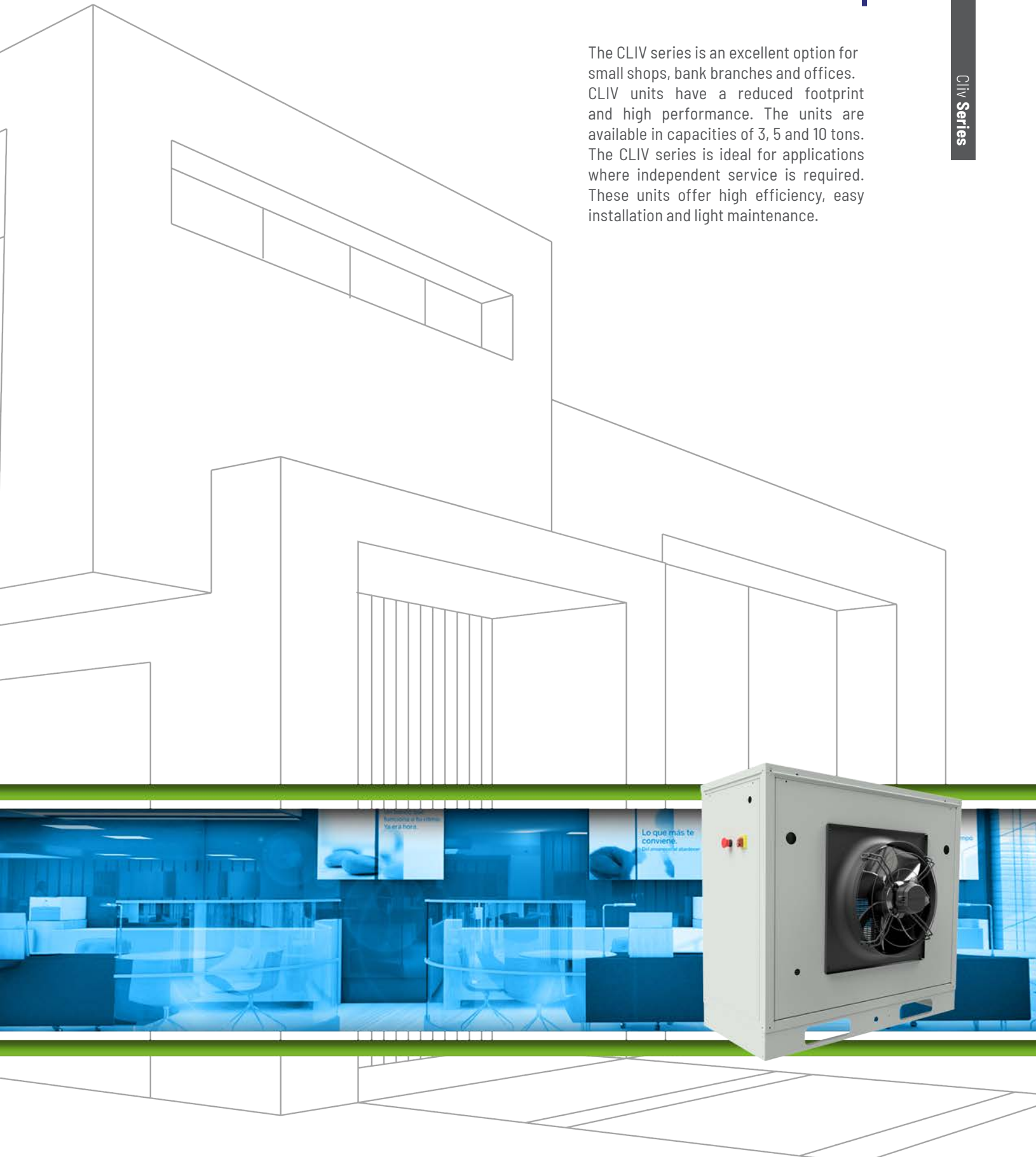


## Cliv Series

*Chilled Water Generating Unit (Chiller) - Air Cooled*

The CLIV series is an excellent option for small shops, bank branches and offices. CLIV units have a reduced footprint and high performance. The units are available in capacities of 3, 5 and 10 tons. The CLIV series is ideal for applications where independent service is required. These units offer high efficiency, easy installation and light maintenance.

Cliv Series



## Cliv Axial Series

Chilled Water Generating Unit (Chiller) - Air Cooled



### Standard Configuration

- Air Cooled Chiller (Horizontal discharge)
- Available in cooling only
- Capacity of 3, 5 and 10 Tons
- Fixed scroll compressor
- Voltage 208-230 / 3 / 60
- Parametric microprocessor with segment display
- Microchannel condenser
- Flow balancing valve
- Paddle flow sensor
- R-410A refrigerant
- ISO-9227 Powder coating (1,500 hour salt spray test)
- AHRI Certification
- ASHRAE 90.1 compliant
- ETL Certification
- MODBUS language
- AC fans (Low noise level)

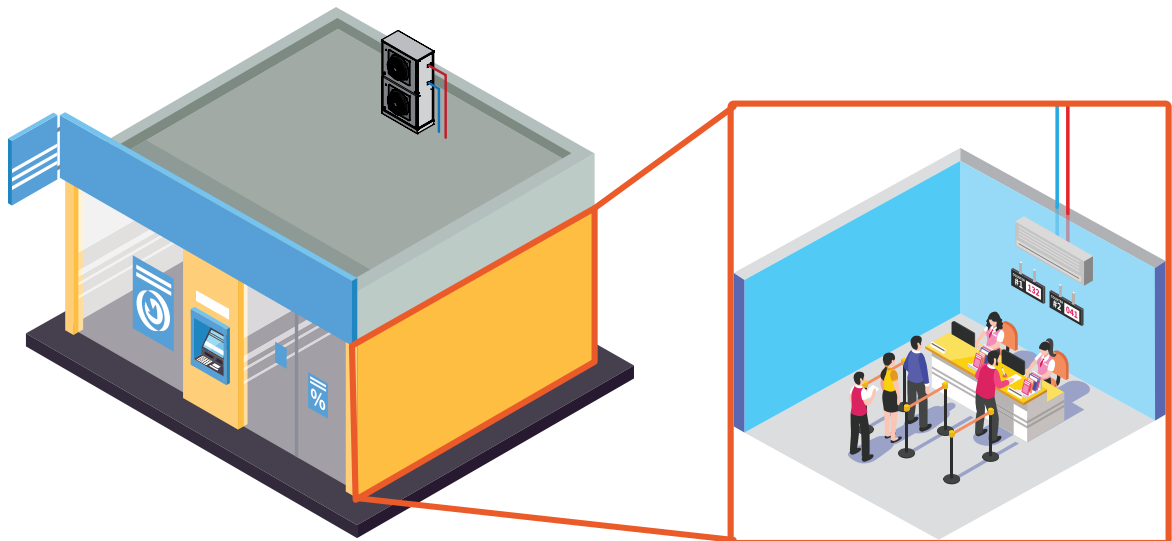


#### FOOTPRINT

	3 / 5 Tons		10 Tons	
	cm	in	cm	in
<b>Length</b>	110.9	43 11/16"	110.9	43 11/16"
<b>Width</b>	72.3	28 7/16"	72.3	28 7/16"
<b>Height</b>	104	40 15/16"	193.5	76 3/16"

### Additional Configuration

- Anti-corrosive protection on condenser





# Cliv Axial Series

Chilled Water Generating Unit (Chiller) - Air Cooled

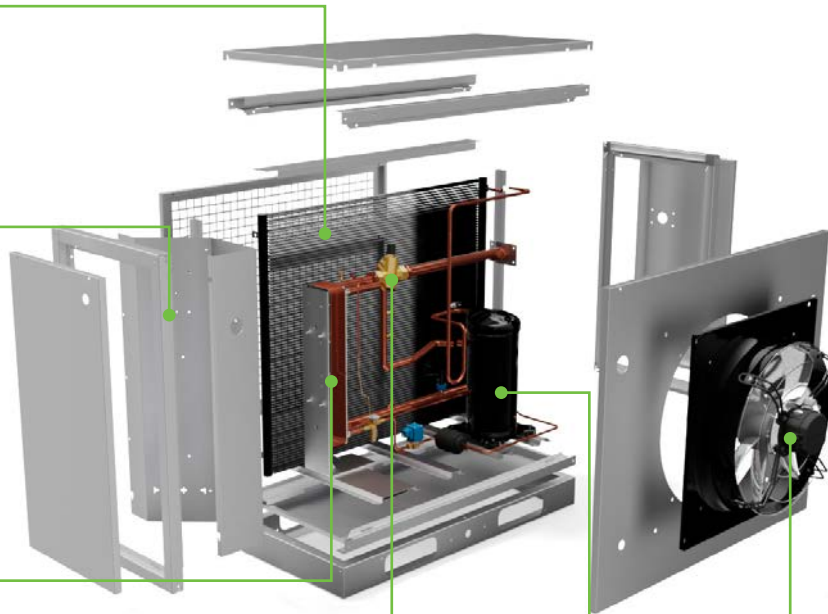
## Components

### Condenser

Multi-channel technology for better efficiency saves space inside the unit and requires a minimum amount of refrigerant.

### Microchiller

Parametric controller with segment display. ModBUS language.



### Evaporator

Steel brazes plate heat exchanger. Guarantees a highly efficient thermal exchange.

### Flow Valve

It keeps the correct water flow in the unit to maximize efficiency

### Fixed Scroll Compressor

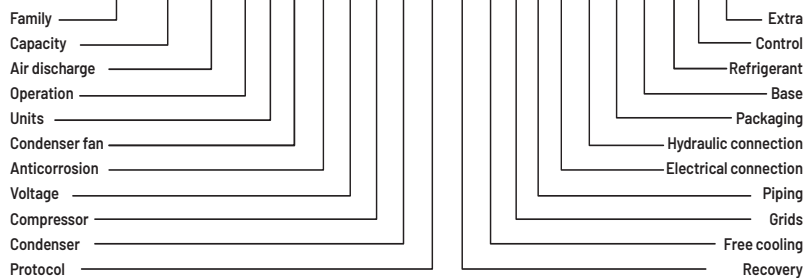
Allows the equipment to operate based on system demand. Improves equipment performance and service life (different compressor options available).

### Fan

Available in AC. The design with serrated blades, allows to reduce noise levels considerably.

## Nomenclature

**CLIV-36-HD-C-1-A-N-D-F-M-N-N-1-1-S-N-D-N-4-P-0**



For more information about nomenclatures, please access the following website:



[www.clima-flex.com/eng/cliv-eng/](http://www.clima-flex.com/eng/cliv-eng/)

## Clim Series

*Chilled Water Generator Units (Chillers) - Air or Water Cooled*

The CLIM series units are designed to meet the comfort needs for larger spaces such as restaurants, malls, hotels, clinics, offices and industrial processes.

One of the biggest hallmarks of this series is its modular design, which allows increasing the system capacity by adding more units. The units are available from 7.5 to 12.5 Tons, for a total installed capacity of 50 Tons in air-cooled installations and up to 62.5 Tons in water cooled installations. The CLIM series units have a reduced footprint, which facilitates the installation maneuvers by allowing access through service doors and elevators.

The CLIM line is the best option for staggered installations since they allow adding capacity under demand.



# Clim Axial Series

Chilled Water Generating Unit (Chiller) - Air Cooled



## Standard Configuration

- Available in cooling only
- Capacity of 7.5, 10 y 12.5 Tons
- Modular tandem installation up to 50 Tons
- Inverted or fixed scroll compressor (Mother module)
- Voltage 208 - 230 / 3 / 60
- Microchannel condenser
- 7" color touch screen (Mother module)
- Flow balancing valve
- Ball isolation valve (Son module)
- Sonic water flow sensor
- MODBUS language
- Integrated connection to TCP/IP networks (Local area network and internet)\*.
- R-410A refrigerant
- ISO-9227 powder coating (1,500 hour salt spray test)
- AHRI Certification
- Meets ASHRAE 90.1
- ETL Certification
- Equipment eligible for LEED projects
- Victaulic connection
- AC fans (Low noise)

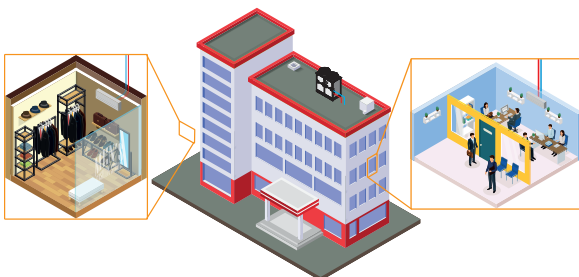
\*Requires connection node

PIE DE HUELLA

	7.5 Tons		10 Tons		12.5 Tons	
	cm	in	cm	in	cm	in
Width	77.5	30 1/2"	97.1	38 1/4"	118.7	46 3/4"
Length	80.6	31 3/4"	80.6	31 3/4"	80.6	31 3/4"
Height	177.8	70"	177.8	70"	117.8	70"

## Additional Configuration

- Voltage 440 - 460 / 3 / 60
- Anti-corrosive protection on condenser



Installation and uses Clim Axial



Modularity options up to 50 Tons



# Clim Axial Series

Chilled Water Generating Unit (Chiller) - Air Cooled

## Components

### Steel Plate Heat Exchanger

Ensures high efficiency heat exchange.

### Emergency Stop

7" color touch screen control panel.

### Flow Balancing Valve

Maintains the correct water flow in the equipment to maximize cooling efficiency.

### Fan

AC fan for higher efficiency and lower noise.

### Condenser

Featuring multichannel technology for greater efficiency, space savings inside the unit and minimal refrigerant use.

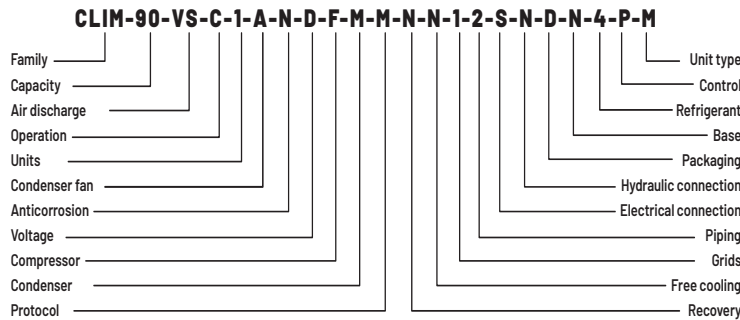
### Compressor

High performance fixed and variable scroll compressors (Mother module).

### Connection header

Manufactured from 2 1/2" grooved steel with Victaulic connections

## Nomenclature
























































For more information about nomenclatures, please access the following website:



[www.clima-flex.com/eng/clin-axial-eng/](http://www.clima-flex.com/eng/clin-axial-eng/)

# Clim Axial Series

Table of optimal configurations

	MOTHER UNITS			SON UNITS			TANDEM
	CLIM 7.5 Tons	CLIM 10 Tons	CLIM 12.5 Tons	CLIM 7.5 Tons	CLIM 10 Tons	CLIM 12.5 Tons	
<b>7.5 Tons</b> CLIM-VS-090							
<b>10 Tons</b> CLIM-VS-120							
<b>12.5 Tons</b> CLIM-VS-150							
<b>15 Tons</b> CLIM-VS-180							
<b>17.5 Tons</b> CLIM-VS-210							
<b>20 Tons</b> CLIM-VS-240							
<b>22.5 Tons</b> CLIM-VS-270							
<b>25 Tons</b> CLIM-VS-300							
<b>27.5 Tons</b> CLIM-VS-330							
<b>30 Tons</b> CLIM-VS-360							
<b>32.5 Tons</b> CLIM-VS-390							
<b>35 Tons</b> CLIM-VS-420							
<b>37.5 Tons</b> CLIM-VS-420							
<b>40 Tons</b> CLIM-VS-480							
<b>42.5 Tons</b> CLIM-VS-510							
<b>45 Tons</b> CLIM-VS-540							
<b>47.5 Tons</b> CLIM-VS-570							
<b>50 Tons</b> CLIM-VS-600							

## Clim Water Series

Chilled Water Generator Unit (Chiller) - Water-Cooled



### Standard Configuration

- Available in cooling only
- Base capacities of 7.5, 10 and 12.5 Tons
- Modular tandem configuration up to 62.5 Tons
- Inverter or fixed scroll compressor ((Mother module)
- Voltage 460 / 3 / 60
- 7" color touch screen control panel (Mother module)
- Flow balancing valve
- Ball valve (Son module)
- Sonic flow sensor
- MODBUS language
- Integrated connection to TCP/IP networks (Local area network and Internet)\*.
- R-410A refrigerant
- ISO-9227 powder coating (1,500 hour salt spray test)
- AHRI Certification
- Meets ASHRAE 90.1
- ETL Certification
- Equipment eligible for LEED projects
- Victaulic connection

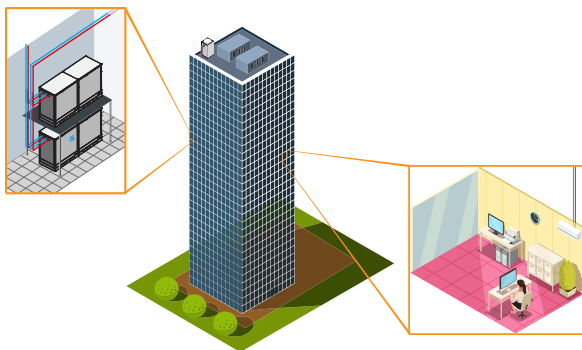
\*Requires connection node

#### FOOTPRINT

	7.5 Tons / 10 Tons / 12.5 Tons	
	cm	in
Width	101.6	40"
Length	86.3	34"
Height	119.4	47"

### Additional Configurations

- Voltage 208-230 / 3 / 60



Installation and uses Water Clim



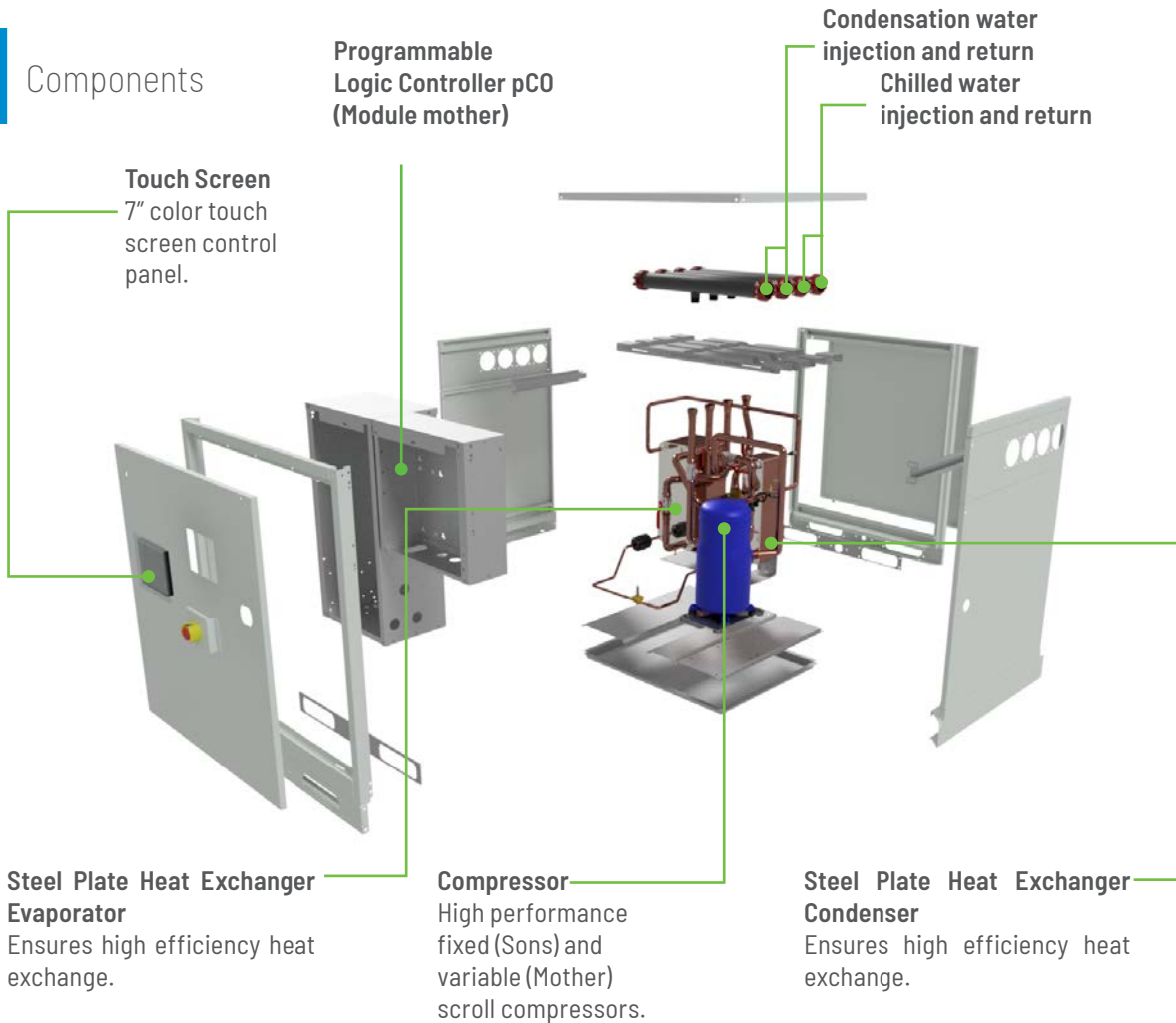
Modularity options up to 62.5 Tons



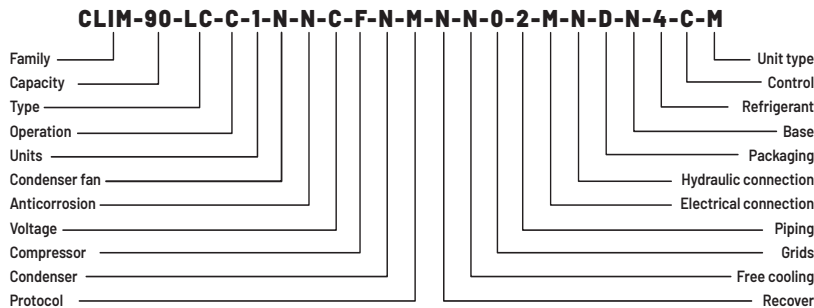
# Clim Water Series

Chilled Water Generator Unit (Chiller) - Water-Cooled

## Components



## Nomenclature



For more information about nomenclatures, please access the following website:



[www.clima-flex.com/eng/clin-water-eng/](http://www.clima-flex.com/eng/clin-water-eng/)

## Clim Water Series

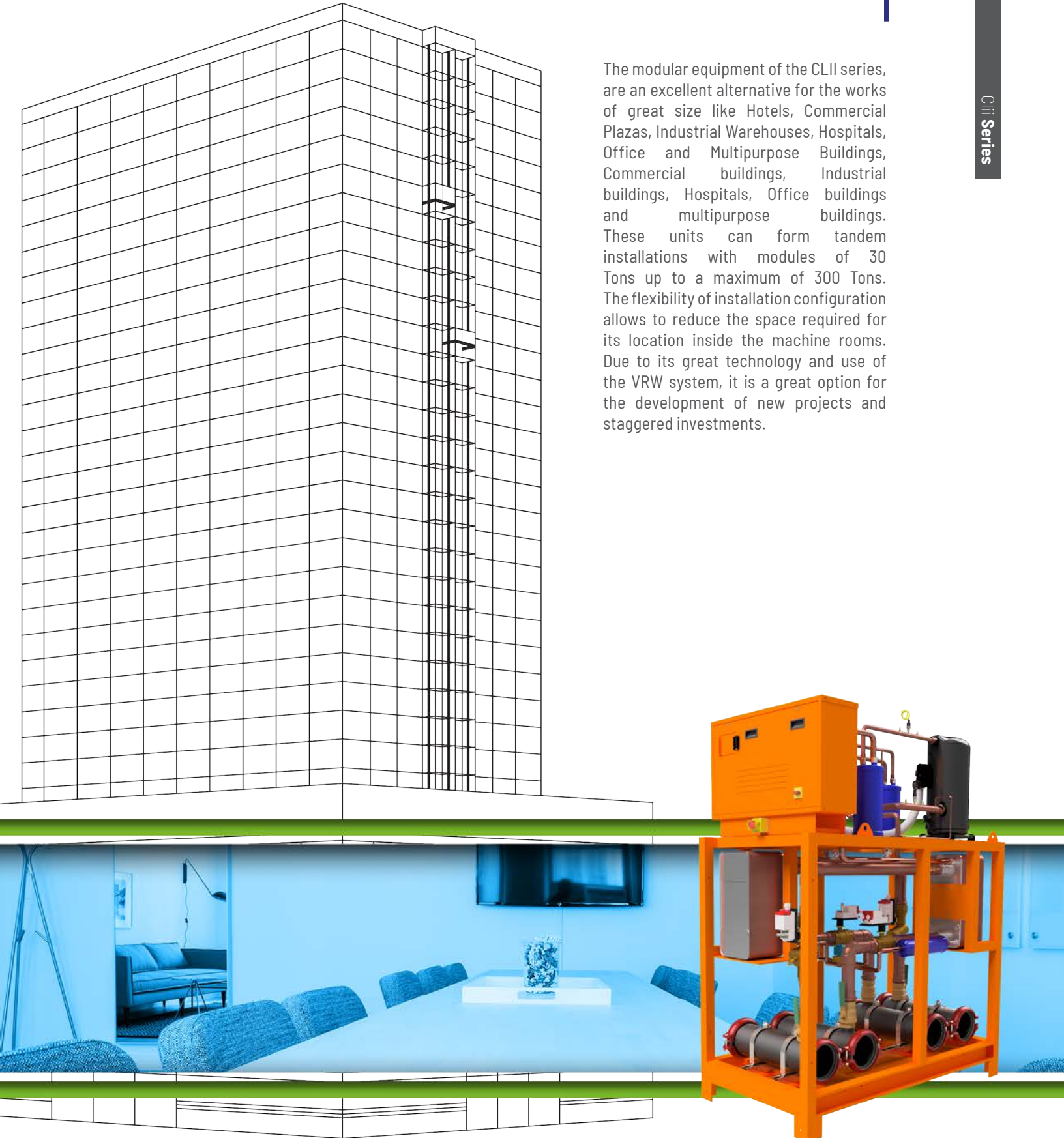
Table of optimum configurations (Voltage 460 / 3 / 60 only)

	MOTHER UNITS			SON UNITS			TANDEM
	CLIM 7.5 Tons	CLIM 10 Tons	CLIM 12.5 Tons	CLIM 7.5 Tons	CLIM 10 Tons	CLIM 12.5 Tons	
<b>7.5 Tons</b> CLIM-LC-090							
<b>10 Tons</b> CLIM-LC-120							
<b>12.5 Tons</b> CLIM-LC-150							
<b>15 Tons</b> CLIM-LC-180							
<b>17.5 Tons</b> CLIM-LC-210							
<b>20 Tons</b> CLIM-LC-240							
<b>22.5 Tons</b> CLIM-LC-270							
<b>25 Tons</b> CLIM-LC-300							
<b>27.5 Tons</b> CLIM-LC-330							
<b>30 Tons</b> CLIM-LC-360							
<b>32.5 Tons</b> CLIM-LC-390							
<b>35 Tons</b> CLIM-LC-420							
<b>37.5 Tons</b> CLIM-LC-450							
<b>40 Tons</b> CLIM-LC-480							
<b>42.5 Tons</b> CLIM-LC-510							
<b>45 Tons</b> CLIM-LC-540							
<b>47.5 Tons</b> CLIM-LC-570							
<b>50 Tons</b> CLIM-LC-600							
<b>52.5 Tons</b> CLIM-LC-630							
<b>55 Tons</b> CLIM-LC-660							
<b>57.5 Tons</b> CLIM-LC-690							
<b>60 Tons</b> CLIM-LC-720							
<b>62.5 Tons</b> CLIM-LC-750							

## Clii Series

### Chilled Water Generator Unit (Chiller) - Water-Cooled

The modular equipment of the CLII series, are an excellent alternative for the works of great size like Hotels, Commercial Plazas, Industrial Warehouses, Hospitals, Office and Multipurpose Buildings, Commercial buildings, Industrial buildings, Hospitals, Office buildings and multipurpose buildings. These units can form tandem installations with modules of 30 Tons up to a maximum of 300 Tons. The flexibility of installation configuration allows to reduce the space required for its location inside the machine rooms. Due to its great technology and use of the VRW system, it is a great option for the development of new projects and staggered investments.





## Clii Water Series

Chilled Water Generator Unit (Chiller) - Water-Cooled

### Standard Configuration

- Available cooling only
- Modular capacity of 30 Tons in 2 circuits (15 Tons +15 Tons)
- Modular tandem configuration up to 300 Tons
- 2 independent cooling circuits
- 2 fixed compressors
- Yee-filter (Hydraulic circuit)
- Operating voltage available 460 / 3 / 60
- Display (Mother module)
- Ball valve (Mother and son module)
- Thermal dispersion water flow sensor
- MODBUS communication language
- R-410A refrigerant
- ISO-9227 powder coating (1,500 hour salt spray test)
- AHRI Certification
- ETL Certification
- Meets ASHRAE 90.1
- Equipment eligible for LEED projects
- High and low pressure switches
- Thermal dispersion flow sensor in condensing and evaporating loop



#### FOOTPRINT

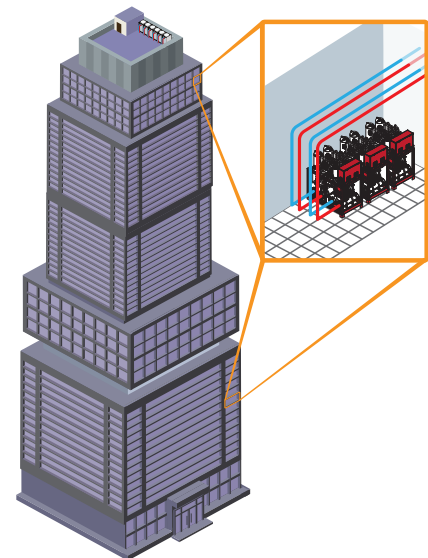
	30 Tons	
	cm	in
Width	82	32 5/16"
Length	149.9	59"
Height	192.1	75 5/8"

### Additional Configurations

- Available in 208-230 / 3 / 60
- Flood detection
- High and low pressure transducers
- Electronic isolation valves (In case of flooding)
- BACnet communication (Ordered separately)



Modularity options up to 300 Tons



Clii Installation and Uses

# Clii Water Series

Chilled Water Generator Unit (Chiller) - Water-Cooled

## Components

### cPCO control

New generation compact controller for efficient equipment operation and equipment protection.

### Oil separators

Designed to separate the lubricating oil from the refrigerant before it enters other system components and thus return it to the compressor crankcase.

### Compressor

High performance fixed scroll compressors.

### Condenser

Steel plate heat exchanger ensures high efficiency heat exchange.

### Evaporator

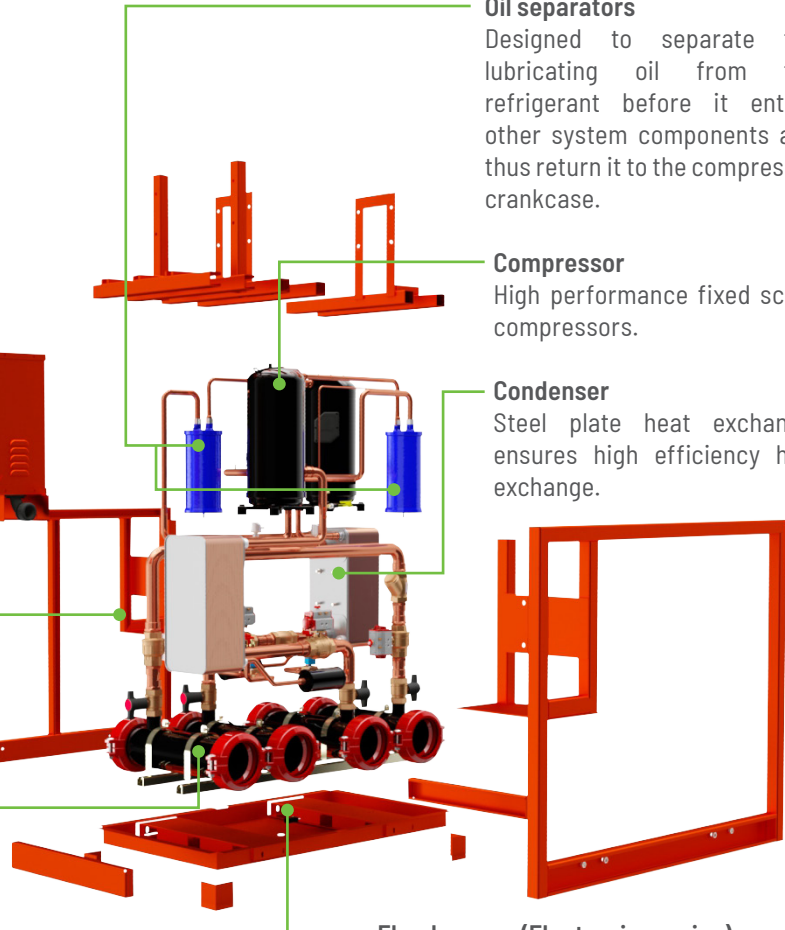
Steel plate heat exchanger. Ensures highly efficient heat exchange.

### Main water bus

The vitaulic connections allow a quick installation of the water pipes, helping to reduce costs due to the individual connection of the equipment.

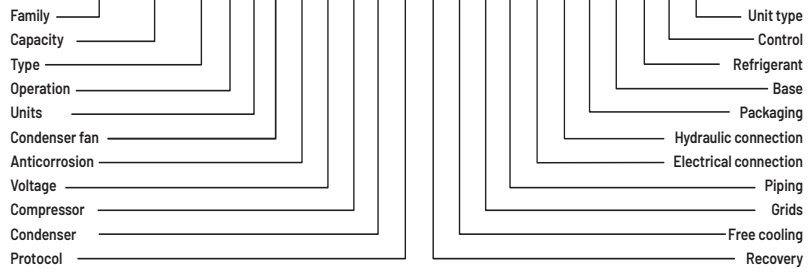
### Flood sensor (Electronic version)

Flood detection device capable of detecting the presence of water in its environment.



## Nomenclature

**CLII-360-HC-C-1-E-N-D-F-N-M-N-N-0-6-M-N-D-N-4-0-M**




































































For more information about nomenclatures, please access the following website:



[www.clima-flex.com/eng/clii-eng/](http://www.clima-flex.com/eng/clii-eng/)

## Clii Water Series

Table of optimal configurations

	MOTHER UNITS	SON UNITS									TANDEM
<b>30 Tons</b> CLII-HC-360											
<b>60 Tons</b> CLII-HC-720											
<b>90 Tons</b> CLII-HC-1080											
<b>120 Tons</b> CLII-HC-1440											
<b>150 Tons</b> CLII-HC-1800											
<b>180 Tons</b> CLII-HC-2160											
<b>210 Tons</b> CLII-HC-2520											
<b>240 Tons</b> CLII-HC-2880											
<b>270 Tons</b> CLII-HC-3240											
<b>300 Tons</b> CLII-HC-3600											

### Additional benefits

**Independent cooling circuits** with highly efficient and versatile True Dual plate heat exchangers for optimum performance, each circuit has independent protections and instrumentation to ensure constant and safe operation.

**Electronic expansion valve:** Designed to satisfy precise operation, they are distinguished by their excellent control in flow regulation, even at low flow rates. Their reliability over time, their high precision in regulation and perfect tightness are their strong points.

**Thermostatic expansion valve:** TXVs are designed to measure the flow of liquid refrigerant. If the refrigerant at the valve inlet contains sudden gas, the valve capacity will be reduced. Make sure that the system is properly charged and that there is some subcooling at the valve inlet before discarding the TXV.

**Thermal dispersion switch:** Compact sensor with stainless steel housing, the main features are high reproducibility, easy adjustment mode for fast start-up and reliable monitoring.

**High and low pressure transducers:** Provide high accuracy reading providing real time pressure and temperature data, this allows the equipment to have extra protections such as programmable high and low pressure alarm, overheating and undercooling control.

**Flood/Leak Detection:** The equipment has a flood detection device capable of revealing the presence of water in case of flooding or pipe rupture. It consists of a detector (usually mounted on the electrical panel) and a sensor (installed in a fluid tray in the unit). When the sensor is wetted by water, the alarm is automatically activated in the detector, changing the relay status and the control automatically closes the inlet and outlet valves of each pipe, also activates a dry contact in the main panel that the user will use to close the verticals in case of having shut-off valves.

**Automatic shut-off valves:** The condensate and cooling water circuits have an electrically controlled valve at the inlet and outlet of each circuit, the inlet valves have a dynamic pressure regulating control that maintain constant water flow.

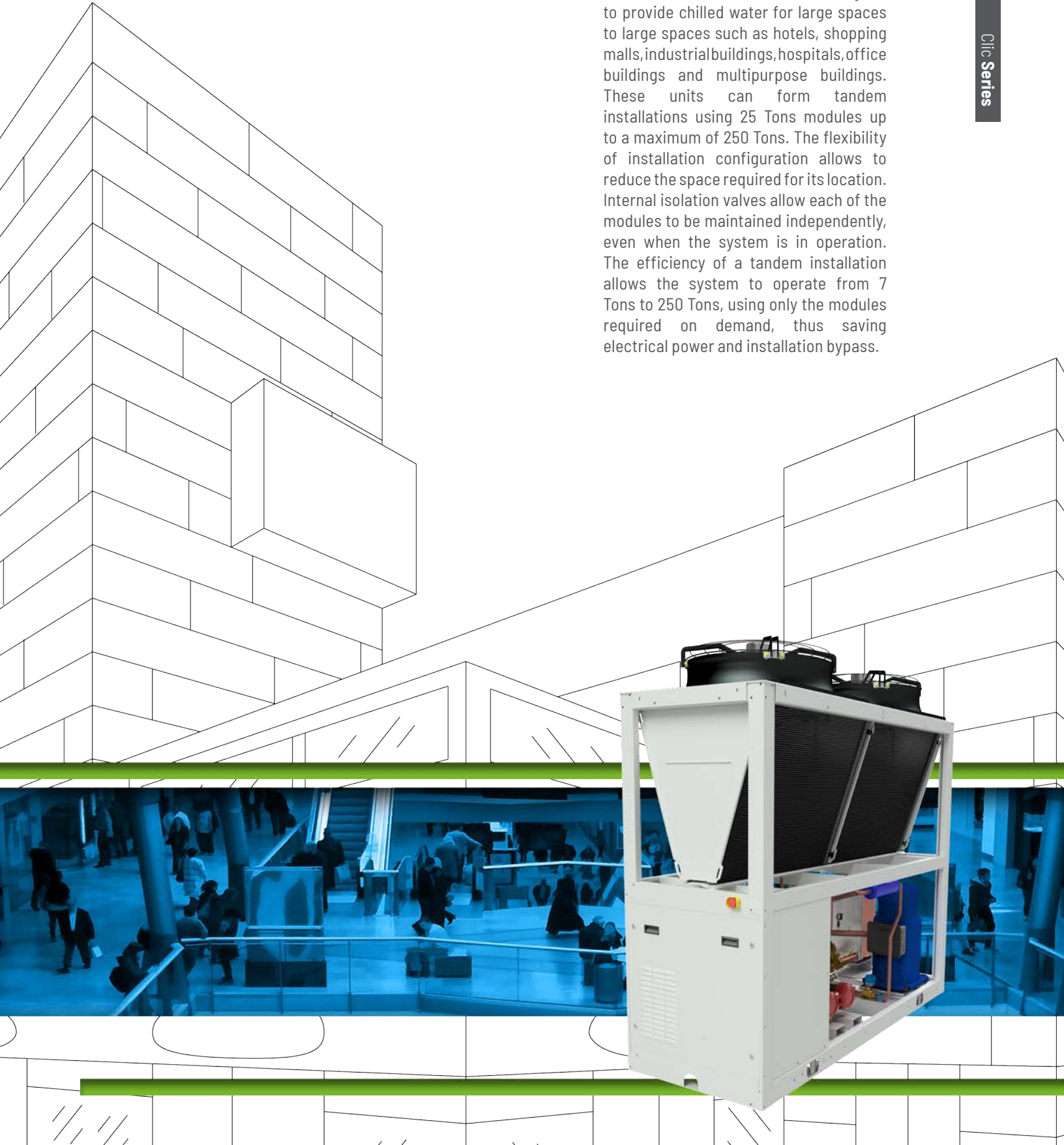


## Cllic Series

### *Chilled Water Generating Unit (Chiller) - Air Cooled*

The CLIC series modular units are designed to provide chilled water for large spaces to large spaces such as hotels, shopping malls, industrial buildings, hospitals, office buildings and multipurpose buildings. These units can form tandem installations using 25 Tons modules up to a maximum of 250 Tons. The flexibility of installation configuration allows to reduce the space required for its location. Internal isolation valves allow each of the modules to be maintained independently, even when the system is in operation. The efficiency of a tandem installation allows the system to operate from 7 Tons to 250 Tons, using only the modules required on demand, thus saving electrical power and installation bypass.

Cllic Series



## Clic Axial Series

Chilled Water Generating Unit (Chiller) - Air Cooled

### Standard Configuration

- Available in cooling only
- 25 Tons base module
- Modular configuration from 25 Tons up to 250 T
- Inverter or fixed scroll compressor
- Voltage 460 / 3 / 60
- Microchannel condenser
- 7" color touch screen control panel (Mother module)
- MODBUS language
- Integrated connection to TCP/IP networks (Local area network and Internet)\*.
- Ball valve
- Flow balancing valve
- Thermal dispersion sensor (Heat Pump equipment)
- Filter in each module
- Decanter Filter (Cooling only equipment)
- R-410A refrigerant
- ISO-9227 powder coating (1,500 hour salt spray test)
- AHRI Certification
- Meets ASHRAE 90.1
- ETL Certification
- Victaulic connection
- AC fans (Low noise)
- Equipment eligible for LEED projects

\*Requires connection node



#### FOOTPRINT

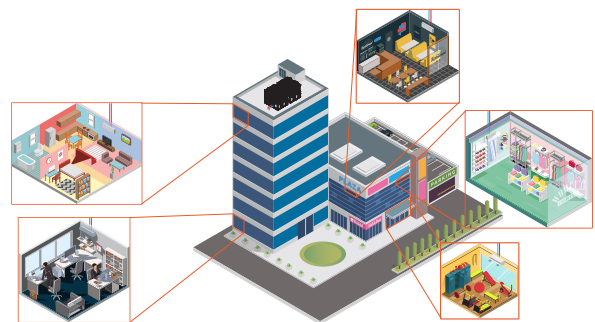
	25 Tons	
	cm	in
Width	82.7	32 <sup>5</sup> / <sub>8</sub> "
Length	223.6	88"
Height	210.1	82 <sup>3</sup> / <sub>4</sub> "

### Additional Configurations

- Voltage 208 - 230 / 3 / 60
- Available in heat pump
- Available in heat recovery
- Corrosion protection on condensers
- BACnet communication (Ordered separately)



Modularity options up to 250 Tons



Installation and uses Axial Clic

# Clic Axial Series

Chilled Water Generating Unit (Chiller) - Air Cooled

## Components

### Condenser

Featuring microchannel technology for greater efficiency, space savings inside the unit and minimal refrigerant use.

### Fan

AC fan for higher efficiency and lower noise.

### VFD Frequency inverter (Mother)

### Programmable Logic Controller pCO

### Filter

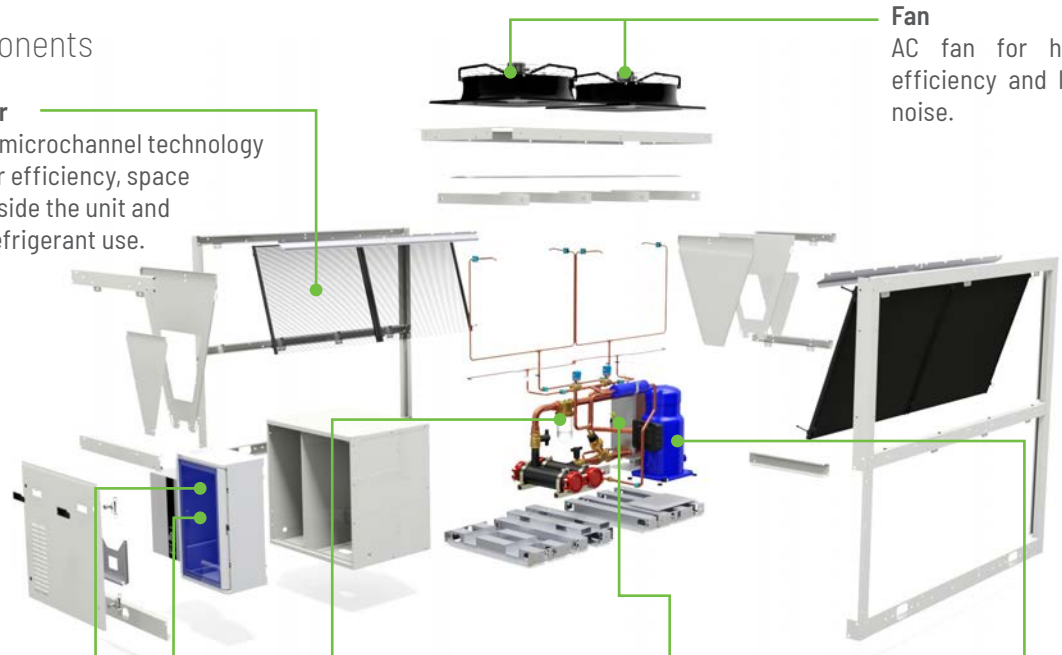
Traps impurities present in the water circuit. Decatator (Cooling only units) and YEE (Heat pump units).

### Evaporator

Steel Plate Heat Exchanger. Ensures high efficiency heat exchange.

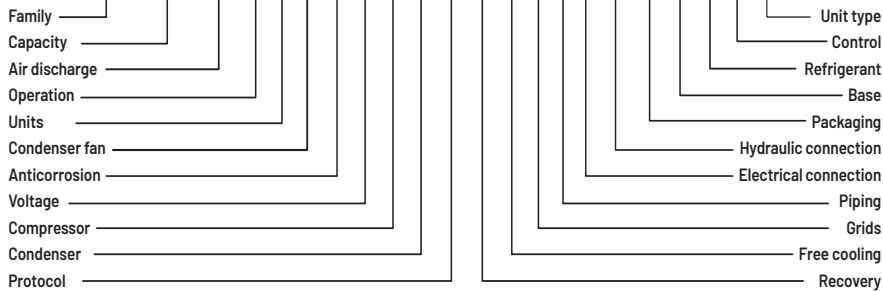
### Compressor

High performance fixed and variable scroll compressors (Inverter).



## Nomenclature

**CLIC-300-VL-C-1-A-N-D-F-M-M-N-N-1-6-M-N-D-N-4-P-M**



For more information about nomenclatures, please access the following website:



[www.clima-flex.com/eng/clic-eng/](http://www.clima-flex.com/eng/clic-eng/)

## Clic Axial Series

Chilled Water Generating Unit (Chiller) - Air Cooled

### Components Heat Pump

#### Condenser

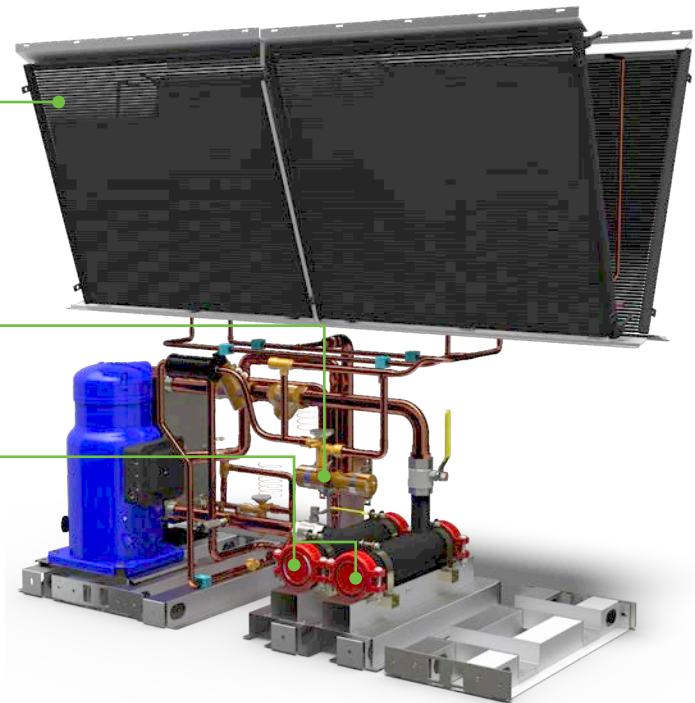
Featuring microchannel technology for greater efficiency, space savings inside the unit and minimal refrigerant use.

#### 4-way valve

Reverses the operation cycle to generate cold or hot water

#### Hydraulic Header

Allows inter-connection of modules and equipment to the hydraulic system.



### Components Heat Recovery

#### Isolation Solenoid Valve

Allows the water circuit to adapt automatically depending on the number of modules in operation. Allows savings in the bypass of the installation.

#### Yee Filter

Traps impurities present in the water circuit.

#### Flow Balancing Valve

Maintains the correct water flow in the equipment to maximize cooling efficiency.

#### Plate heat exchanger

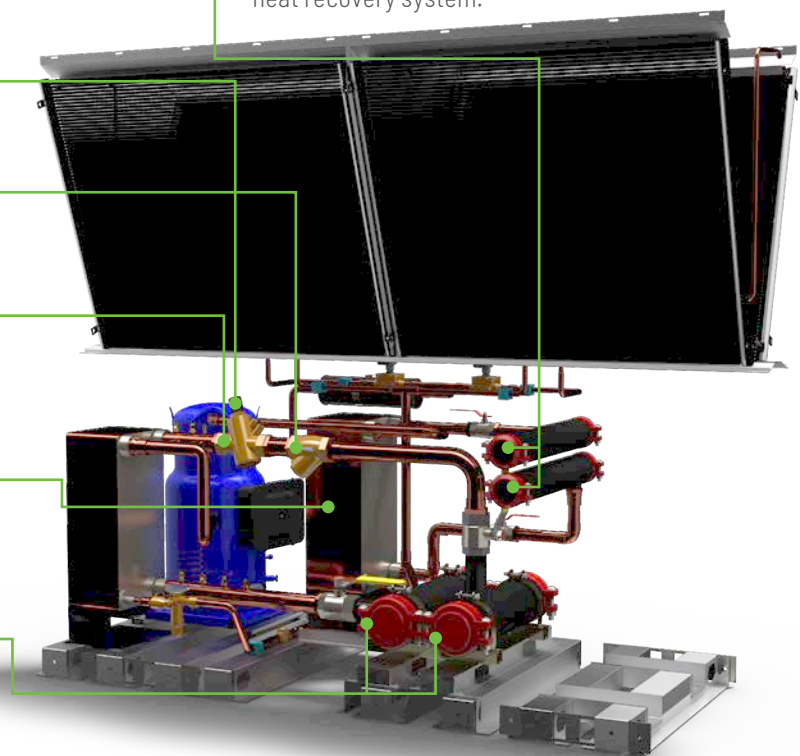
Allows to recover wasted heat from the compressor to deliver hot water.

#### Hydraulic header

Allows the inter-connection of modules and equipment to the hydraulic system.

#### Hot water header



Channels the hot water from the heat recovery system.





# Clc Axial Series

Table of optimal configurations

	MOTHER UNITS	SON UNITS								
<b>25 Tons</b> CLIC-VL-300										
<b>50 Tons</b> CLIC-VL-600										
<b>75 Tons</b> CLIC-VL-900										
<b>100 Tons</b> CLIC-VL-1200										
<b>125 Tons</b> CLIC-VL-1500										
<b>150 Tons</b> CLIC-VL-1800										
<b>175 Tons</b> CLIC-VL-2100										
<b>200 Tons</b> CLIC-VL-2400										
<b>225 Tons</b> CLIC-VL-2700										
<b>250 Tons</b> CLIC-VL-3000										

## Clic Axial Stand-alone Series

Chilled Water Generating Unit (Chiller) - Air Cooled

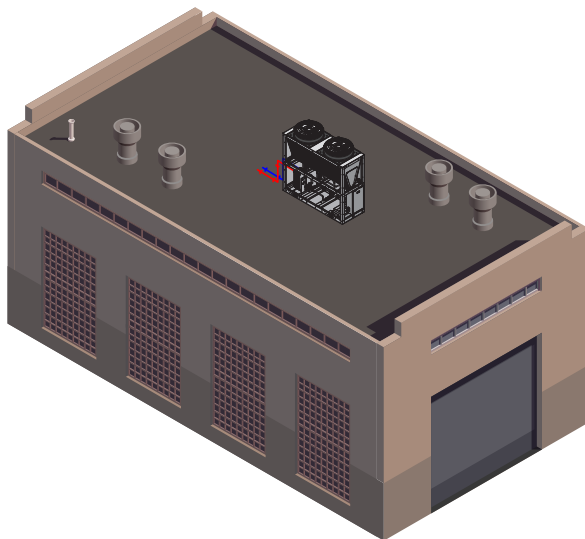


### Standard Configuration

- 25 Tons capacity
- Available in cooling only
- Fixed scroll compressor
- Voltage at 460 / 3 / 60
- Al/Al microchannel condenser
- R-410A refrigerant
- MODBUS language
- Thermal dispersion switch
- ISO-9227 powder coating (1,500 hour salt spray test)
- AHRI Certification
- Meets ASHRAE 90.1
- ETL Certification
- Equipment eligible for LEED projects

### Additional Configurations

- Voltage 208 - 230 / 3 / 60
- Cu/Al Condenser
- Oil separator
- Corrosion protection on condenser



Installation and uses Clic Axial Basic

#### FOOTPRINT

	25 Tons	
	cm	in
Width	82.7	32 <sup>5</sup> / <sub>8</sub> "
Length	223.6	88"
Height	210.1	82 <sup>3</sup> / <sub>4</sub> "

# Clic Axial Stand-alone Series

Chilled Water Generating Unit (Chiller) - Air Cooled

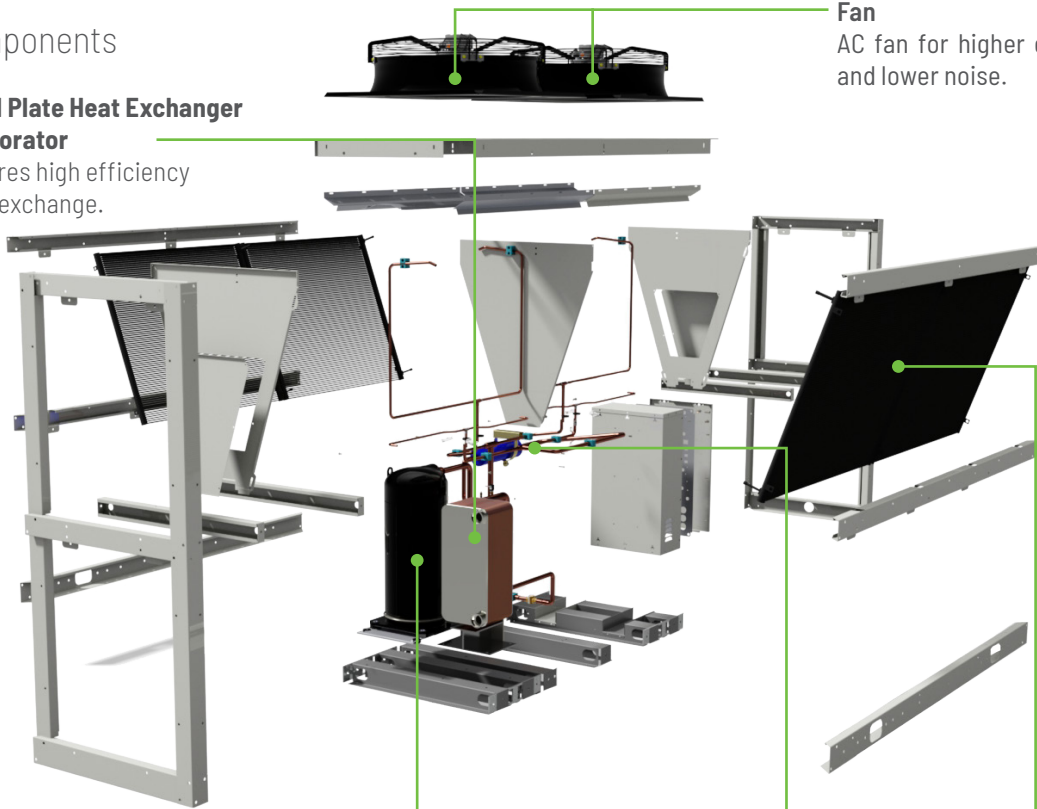
## Components

### Steel Plate Heat Exchanger Evaporator

Ensures high efficiency heat exchange.

### Fan

AC fan for higher efficiency and lower noise.



### Compressor Fixed

### Filter Drier

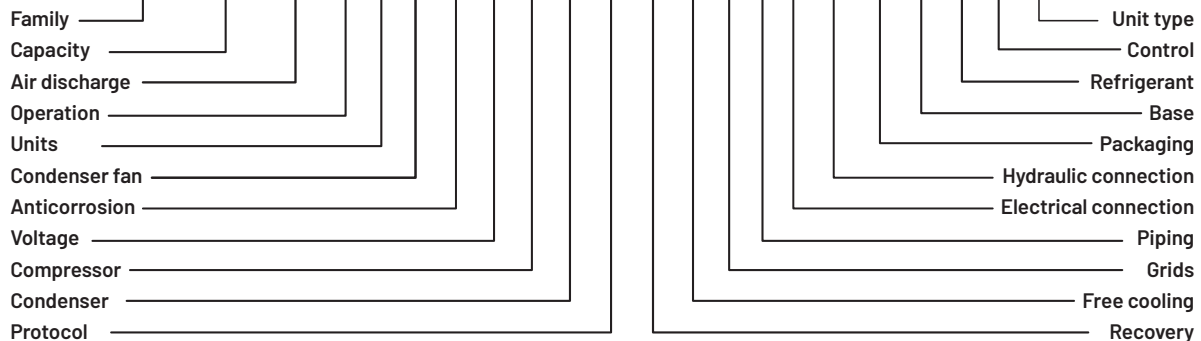
Compact granules, which has a desiccant combination optimized to offer a high capacity.

### Condenser

Featuring microchannel technology for greater efficiency, space savings inside the unit and minimal refrigerant use.

## Nomenclature

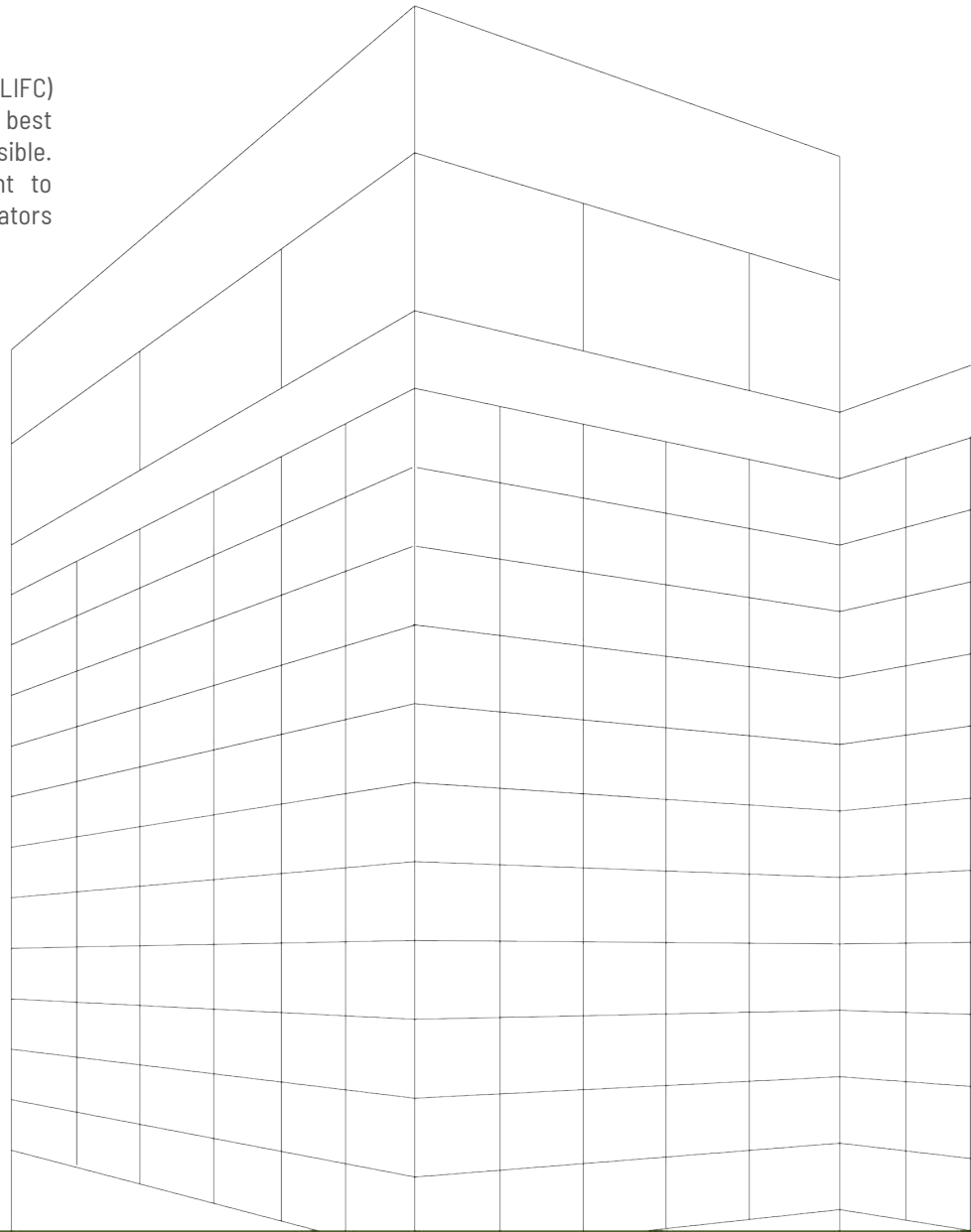
**CLIC-300-VL-C-1-A-N-D-F-M-M-N-N-1-6-M-N-D-N-4-P-M**



## Air Handling Series

### *Fan & Coil*

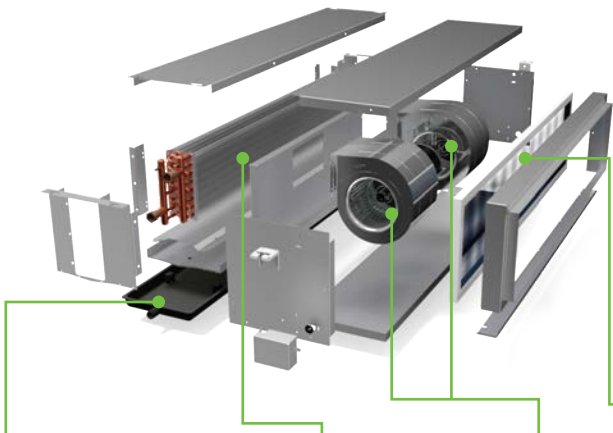
The Horizontal Fixed Fan & Coil (CLIFC) units are designed to provide the best comfort, technology and quality possible. They are the perfect complement to our lines of Chilled Water Generators (Chillers).





## ClifC Horizontal Fixed Series

Fan & Coil Fijo de 3 velocidades para Agua Helada



### Standard Configuration

- Capacities from 400 CFM to 2,000 CFM
- Available in 4 cold rows
- Centrifugal fan (3 speeds)
- Voltage 120 / 1 / 60
- Auxiliary condensate tray
- Plenum - Optional
- Disposable filter - Optional
- Sliding filter for easy maintenance

### Additional Configurations

- 3 cold rows plus 1 heated row
- 4 rows cold plus 2 rows heating (model 1600 and 2000)

**Condensate pan** with high-density coating and insulation for durability.

**Evaporator**  
Copper-Aluminum (Cu-Al) coil, optimizes heat exchange, resists corrosion.

**Fan**  
High-tech 3-speed AC centrifugal. They operate quietly and efficiently.

**Filter**  
Made of fiberglass, it allows the natural passage of air with little resistance and retains particles.

#### DIMENSIONS

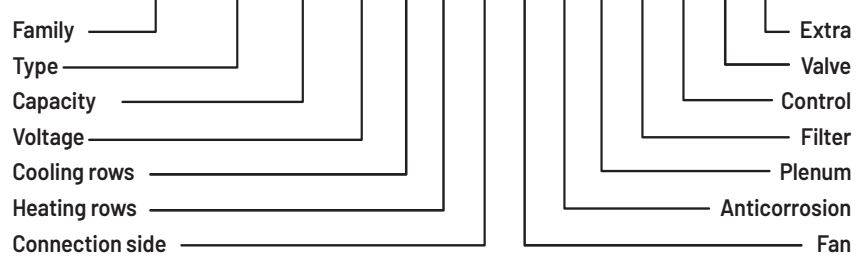
	LOWSTATIC									
	400 CFM		600 CFM		800 CFM		1,000 CFM		1,300 CFM	
	cm	in	cm	in	cm	in	cm	in	cm	in
<b>Width</b>	97.79	38 1/2"	107.95	42 1/2"	123.19	48 1/2"	138.75	54 5/8"	153.67	60 1/2"
<b>Length</b>	59.06	23 1/4"	59.06	23 1/4"	59.06	23 1/4"	61.60	24 1/4"	61.60	24 1/4"
<b>Height</b>	27.31	10 3/4"	27.31	10 3/4"	27.31	10 3/4"	29.21	11 1/2"	29.21	11 1/2"

#### DIMENSIONS

	HIGHSTATIC					
	1,200 CFM		1,600 CFM		2,000 CFM	
	cm	in	cm	in	cm	in
<b>Width</b>	137.47	54 1/8"	122.24	48 1/8"	124.77	49 1/8"
<b>Length</b>	87.00	34 1/4"	87.00	34 1/4"	87.00	34 1/4"
<b>Height</b>	34.92	13 3/4"	48.26	19"	48.26	19"

### Nomenclature

**CLIFC-H-400-0-4-0-R-C-0-P-D-N-2-0**



For more information about nomenclatures, please access the following website:



[www.clima-flex.com/eng/clifc-fix-eng/](http://www.clima-flex.com/eng/clifc-fix-eng/)

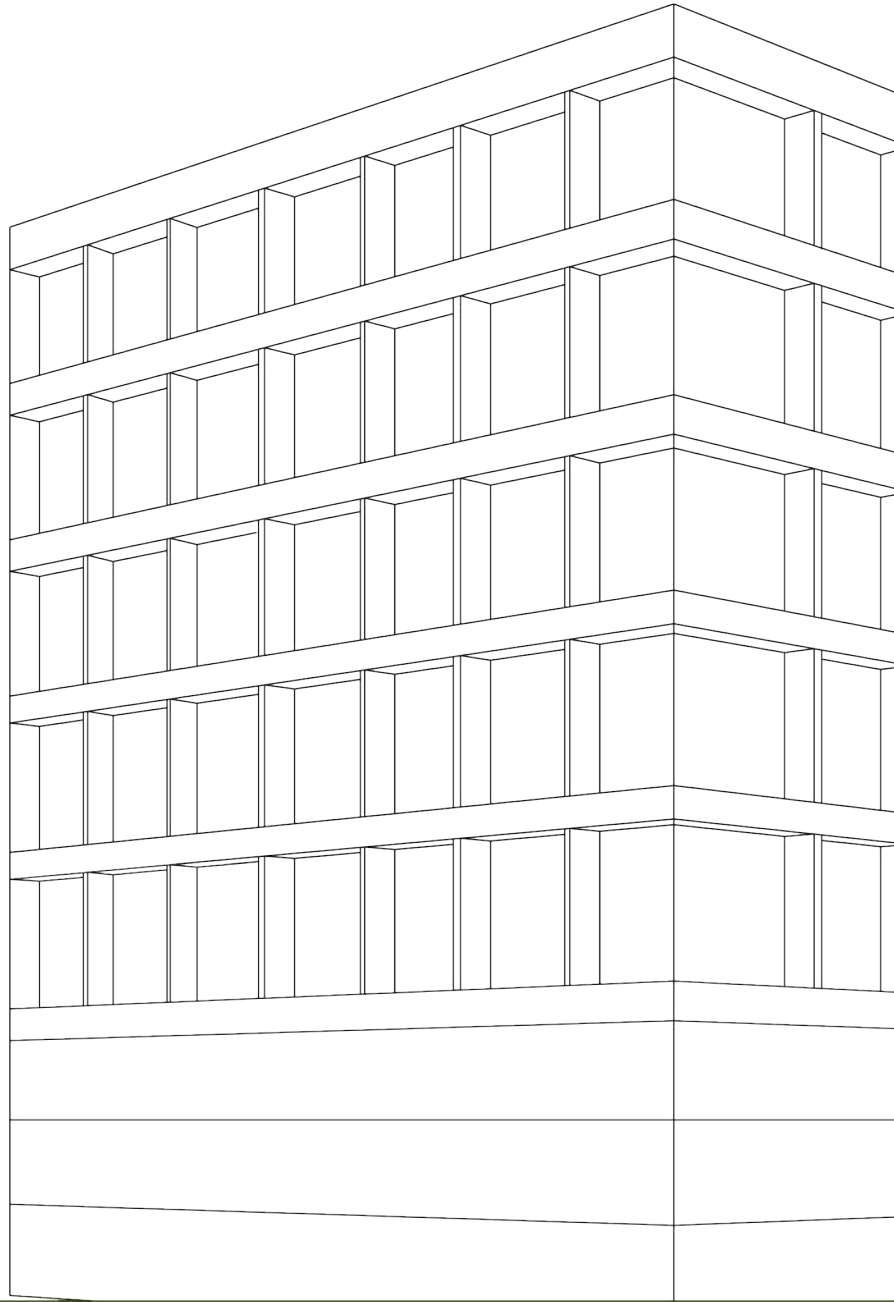
## Direct Expansion Series

### Wallpack

The Wallpack series of equipment is designed to robustly cover the needs of different projects for telecommunications networks, data centers, laboratories, commercial and industrial use.

Wallpack equipment can be easily installed, configured, monitored and maintained.

With its benefits and features combined with reliable components and top quality materials, this is the perfect equipment for your direct expansion cooling needs.



# CliWP Series

## WallPack



### Standard Configuration

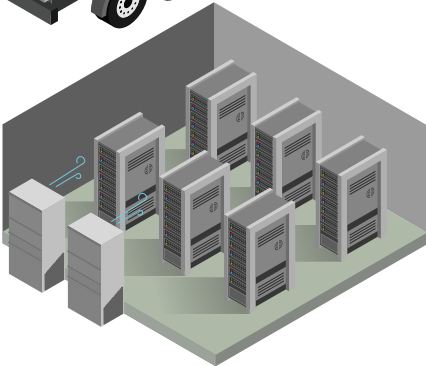
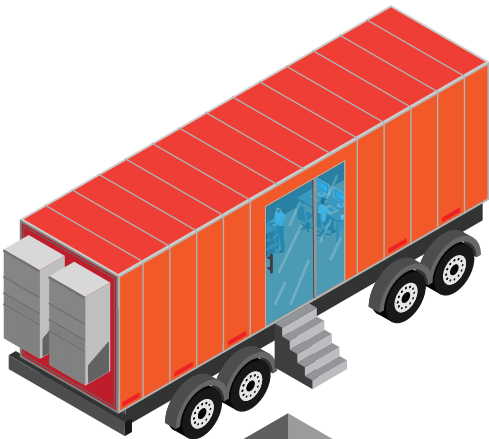
- Wall-mounted package
- 3 and 5 Tons capacities
- R-410A refrigerant
- ISO-9227 powder coating (1,500 hour salt spray test)
- Low and high pressure switches
- Disposable air filter
- Upper Download
- Fixed compressor type
- Left or right side connection
- Voltage 208-230 / 3 / 60
- Wall thermostat control
- Evaporator fan constant, standard efficiency, centrifugal
- Condenser fan constant, standard efficiency motor, axial
- Saline protection paint cabinet 1,500 hrs.
- Grille, single deflection in injection, fixed return
- Al/Al microchannel condenser
- Cooling only operation

FOOTPRINT

	3 Tons		3 Tons / 5 Tons	
	cm	in	cm	in
Width	104.22	41 1/16"	104	40 15/16"
Length	61.23	24 1/8"	61.33	24 1/8"
Height	176.53	69 1/2"	210.97	83 1/16"

### Additional Configurations

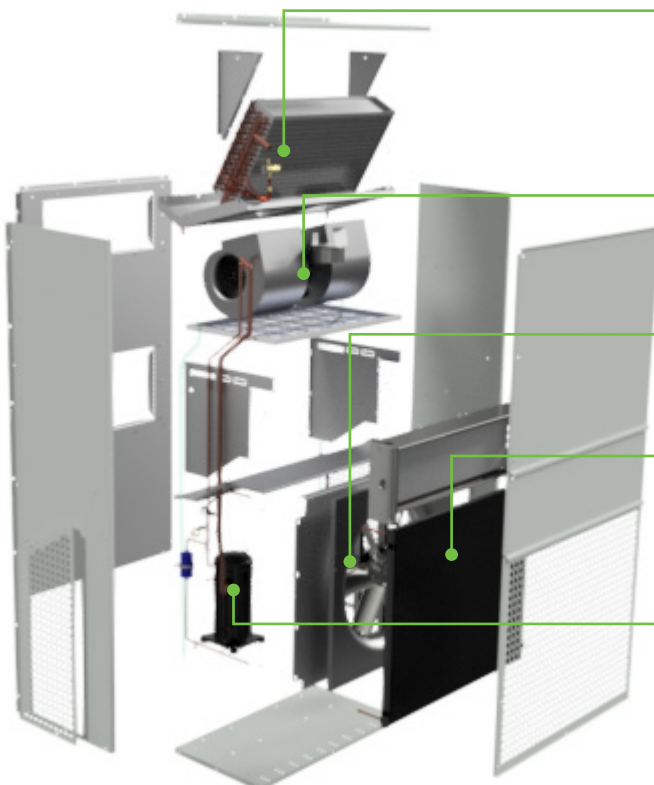
- Microchiller/ Modbus RTU Controller
- Free cooling with motorized actuator
- Corrosion protection on capacitor
- Voltage 460 / 3 / 60 or 220 / 1 / 60



## CLiWP Series

WallPack

### Components



**Evaporator**

Available with Copper-Aluminum (Cu-Al) coil and Aluminum-Aluminum (Al-Al) Micro-channel, it optimizes heat exchange, resists corrosion, resists leakage and is easy to repair.

**Evaporator Fan**

AC centrifugal fan with silent operation and high efficiency.

**Condenser Fan**

Axial fan, available in fixed AC. Operates quietly and efficiently.

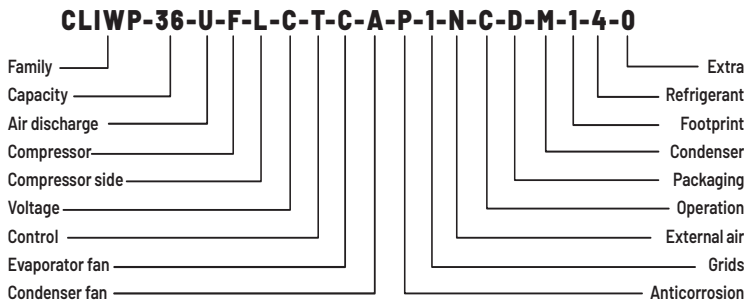
**Condenser**

Aluminum-Aluminum (Al-Al) Micro-channel coil, optimizes heat exchange, resists corrosion, leak resistant and easy to repair.

**Compressor**

Available in fixed scroll compressors. Increase equipment performance and efficiency.

### Nomenclature



For more information about nomenclatures, please access the following website:



[www.clima-flex.com/eng/cliwp-eng/](http://www.clima-flex.com/eng/cliwp-eng/)

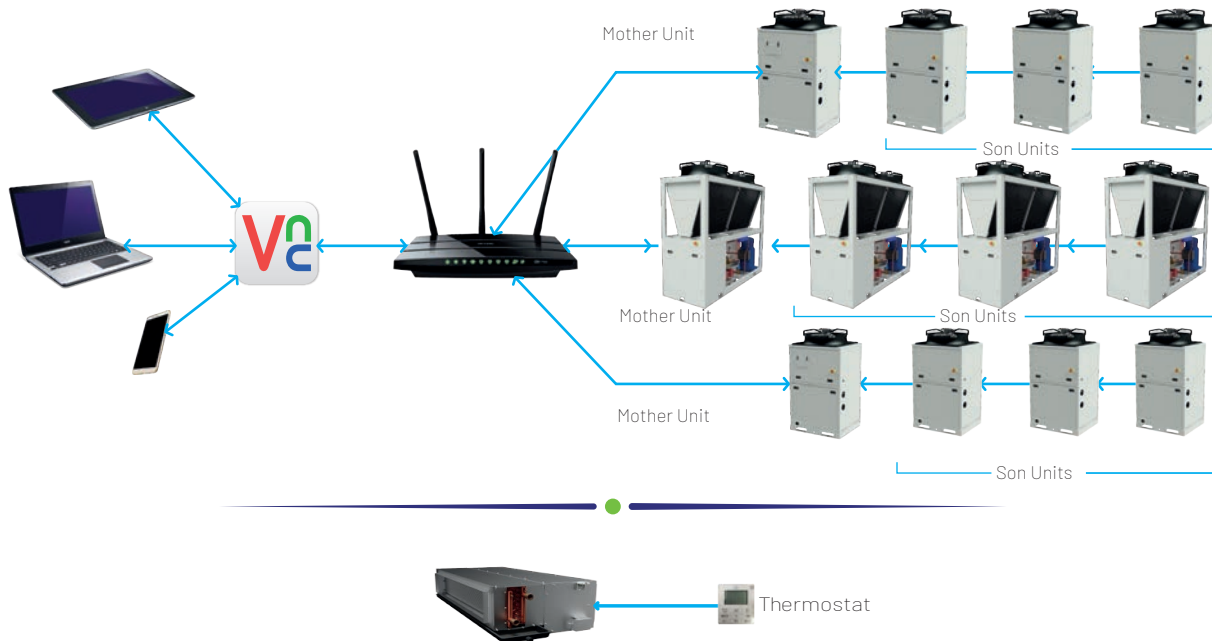


## Clima-Flex **Connectivity**

Remote communication between Chiller and Terminal Units



Among the most relevant advantages of our equipment we offer connectivity and remote monitoring, operated through an open protocol from any mobile device or through a local network (LAN) or (WAN), seeing in real time operating parameters, alarms, fault history, etc. through the chiller's screen.



Connection of chillers to the network via connection node

## Reference Sites

Reference Sites

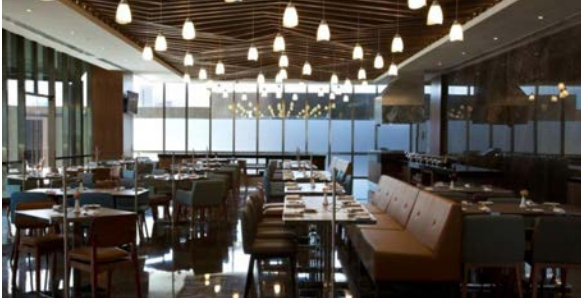


Our teams are working on some of the most important projects in the main cities of the country. More than 23,000 equipments sold  
Presence in:

- Mexico
- United States
- El Salvador
- Canada
- Jamaica
- Dominican Republic
- Nicaragua
- Panama
- Costa Rica
- Colombia
- Ecuador
- Peru
- Chile
- Puerto Rico







## Real Inn

Hotel / Monterrey, Nuevo León

Clic - 400 Tons  
Divided into tandems  
of 200 Tons

Connectivity





# Hotel Montage

Hotel / Los Cabos, B.C.

Axial Clim - 650 Tons



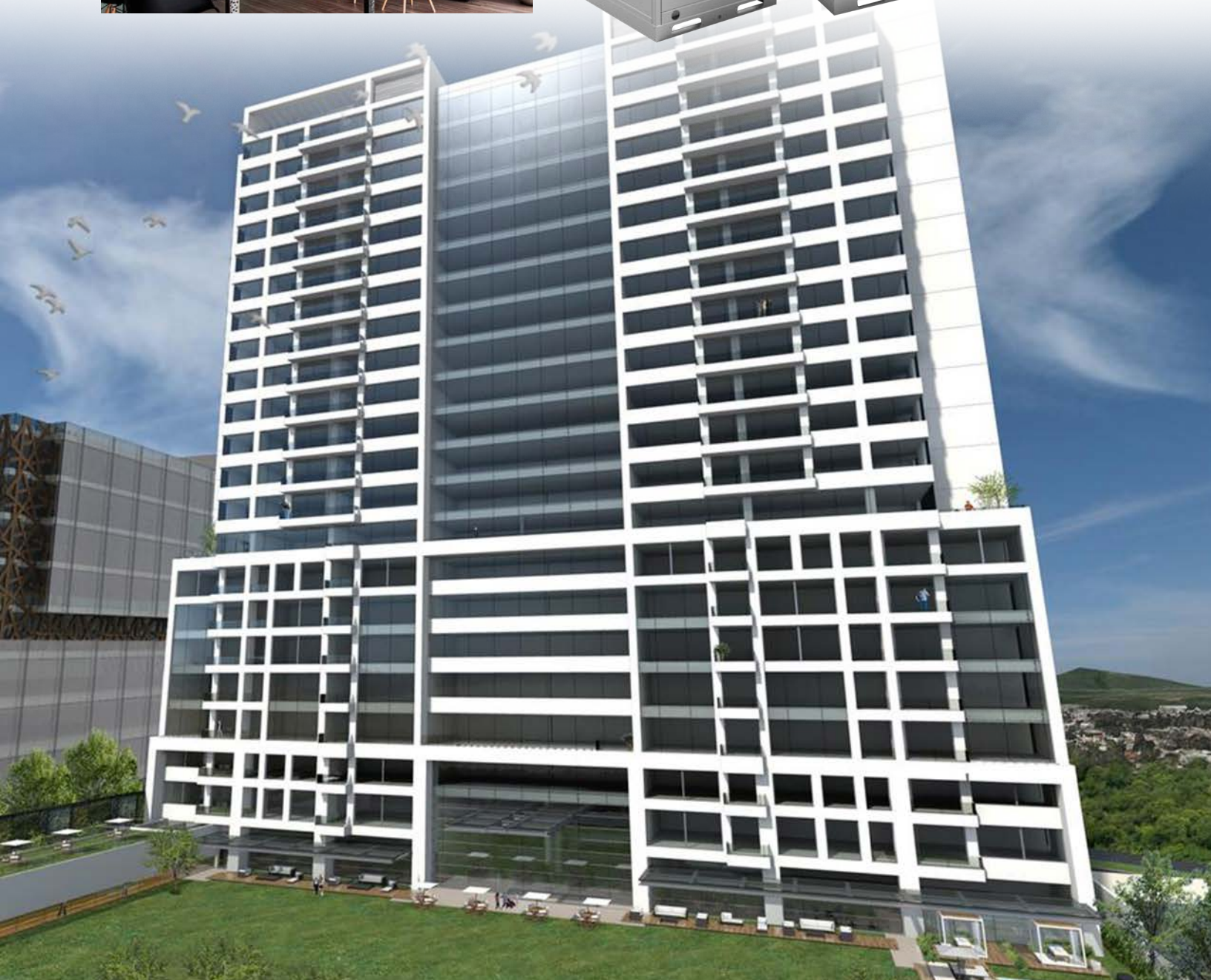




## Torre **Cosmocrat Puerta de Hierro**

*Apartment complex / Guadalajara, Jal.*

Cliv / Axil Clim - 320 Tons  
Phase 1: 250 Tons (Cliv)  
Phase 2: 55 Tons (Axial Clim)  
Phase 3: 15 Tons (Cliv)





## Toreo Park - Towers A, B and C

*Commercial Plaza / State of Mexico*

WCC Clim - +3,000 Tons  
+250 Equipment installed (4 Equipment  
installed per floor on average)







# Latitud **Providencia**

*Apartment complex / Guadalajara, Jal.*

Clic - 750 Tons  
Phase 1: 350 Tons  
Phase 2: 400 Tons



Reference Sites

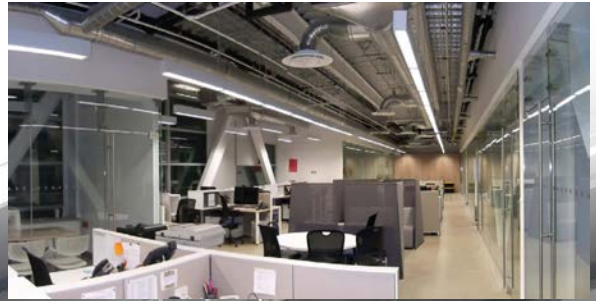




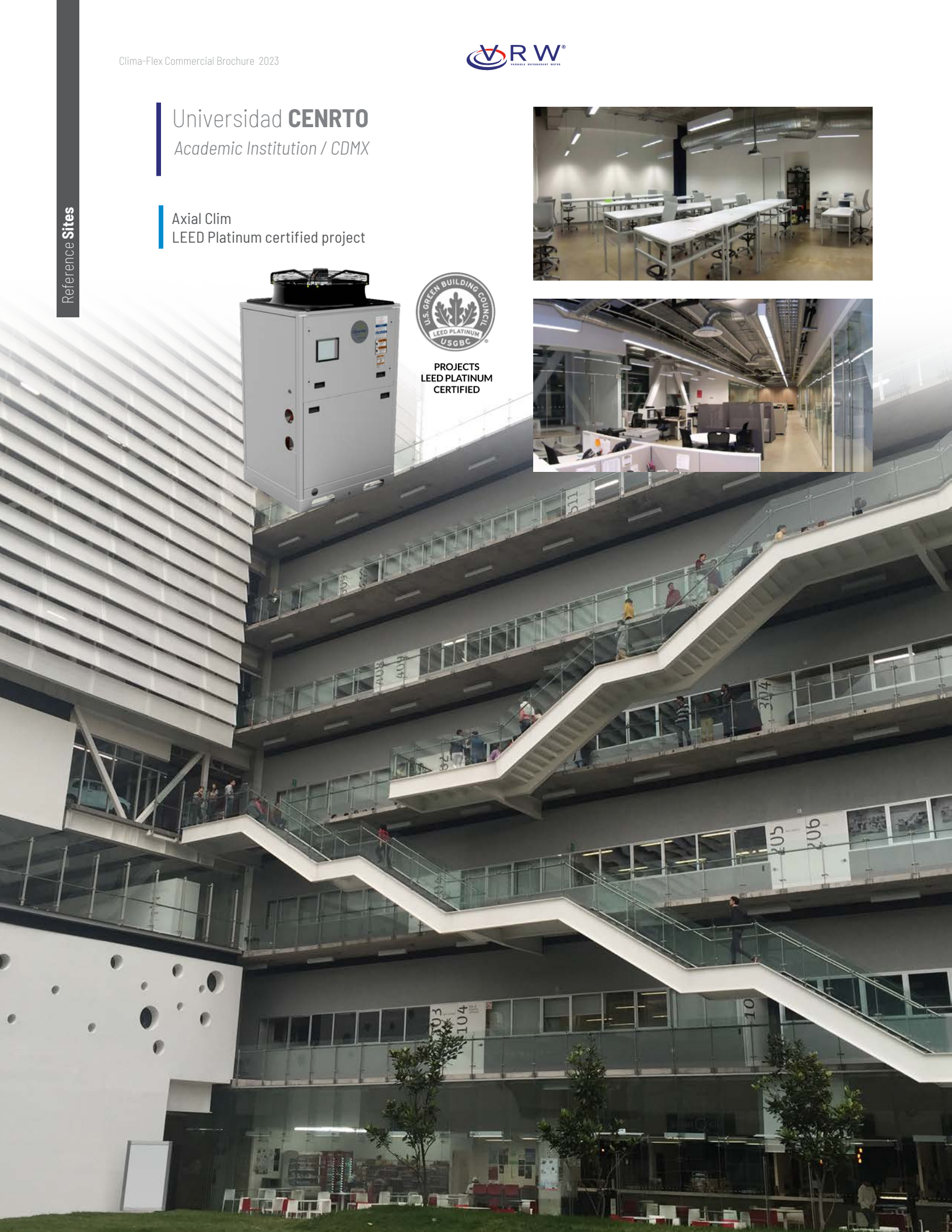
# Universidad CENRTO

Academic Institution / CDMX

Axial Clim  
LEED Platinum certified project



PROJECTS  
LEED PLATINUM  
CERTIFIED







Level  
*Office Building / Querétaro*

Clic  
Phase 1: 150 Tons  
Phase 2: 25 Tons





## Vía 515

Mixed Uses / CDMX

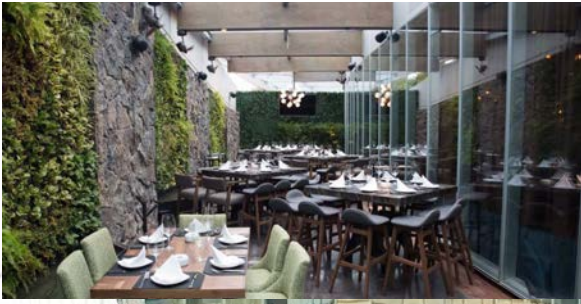
Clic - 1,200 Tons (6 Tandems of 200 Tons each)  
CliFC Horizontal Variable - 548 Fan & Coil  
Hydronic Evaporators - 230 Units





Carso **Palmas**  
Commercial Plaza / CDMX

Clic - 200 Tons



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Delegación La Pila, San Luis Potosí  
 (444) 161 50 43  
 [contacto@clima-flex.com](mailto:contacto@clima-flex.com)  
 [\*\*www.clima-flex.com\*\*](http://www.clima-flex.com)

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