

GENERAL SOLUTIONS CATALOG

FOR AIR CONDITIONING, REFRIGERATION, AND VENTILATION



TECAM

Environmental Technology

TECAM INVERTER TECHNOLOGY

ENERGY RECOVERY



**WE ARE THE COMFORT
YOU FEEL**

SPACE SOLUTIONS



**WE GUARANTEE
INDOOR AIR QUALITY**

SOLUTIONS FOR CLINICS



**WE CREATE CONTROLLED
ENVIRONMENTS**

DATACENTER SOLUTIONS



**WE ENSURE EFFICIENCY
IN PRODUCTION LINES**

PROCESS SOLUTIONS

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Tecam is an innovative company that is part of a business group with over 60 years of experience (Carvel S.A. and TRS).

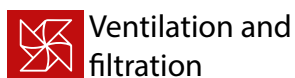
We manufacture air conditioning and refrigeration systems with the highest global quality standards. Our brand is endorsed by certifications such as AHRI (Air-Conditioning, Heating, and Refrigeration Institute) and ISO (International Organization for Standardization).

We are in over 10 countries in Central and South America, and our national coverage makes us a benchmark for technicians, contractors, and engineers.

Our goal is to offer products with the highest energy efficiency, indoor air quality control, and preservation of natural resources.



Air
Conditioning



Ventilation and
filtration



Heat



Humidity
control

GUARANTEED QUALITY

WORLDWIDE

HARMONY
TECNOLOGÍA TECAM

- **High energy efficiency**
Compliant with North American requirements
- **R410A coolant**
Ozone-friendly
- **AHRI certified**
Quality and performance
- **State-of-the-art compressors**
Copeland
- **Microchannel-type coils (optional)**
High heat transfer efficiency
- **Aluminum profiles with thermal break**
- **Electronic control systems for remote monitoring and/or operation**
- **Filter**



First Colombian company to achieve international AHRI accreditation.

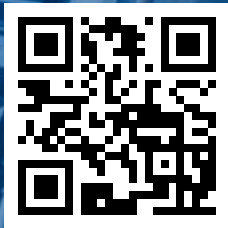
This accreditation is a benchmark for the quality, performance, and reliability of Tecam equipment worldwide.

TECHNOLOGICAL SUPPORT



FAN COILS

Fan coils



Specialized Line: Residential and Commercial Sector.

Superior quality equipment that is environmentally friendly and manufactured with modern designs that are manufactured with selected materials within international safety parameters, which results in reliability and safety where installed.

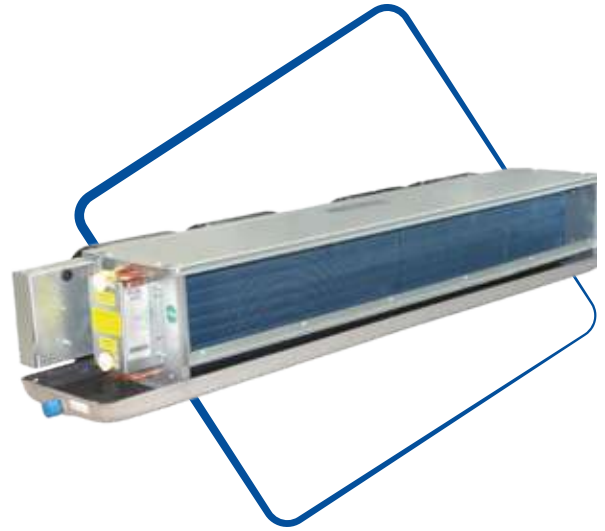
4FRC Bare Fan Coil

False Ceiling - Free Discharge - Chilled Water

Tecam's bare chilled water fan coil units come in capacities ranging from 300 to 1400 CFM. They are designed to be installed in ceilings, which saves important spaces in the area to be cooled.

Benefits:

- Rear or bottom air return provides greater installation flexibility
- Unit built with galvanized sheet metal. Maximum protection against corrosion
- Very low noise level



	CONN	VOLT	MBH	CFM
4FRC 02	L-R	220	6.2	200
4FRC 03	L-R	220	9.2	300
4FRC 04	L-R	220	12.2	400
4FRC 05	L-R	220	15.4	500
4FRC 06	L-R	220	18.5	600
4FRC 08	L-R	220	24.6	800
4FRC 10	L-R	220	30.8	1000
4FRC 12	L-R	220	38.9	1200
4FRC 14	L-R	220	43.0	1400

Note: Imported product



4AFC Luxury Fan coil

Wall Mounted - Remote Control - Free Discharge - Chilled Water

Chilled water fan coil unit. Modern design manufactured with high-impact polymers. Available in capacities from 9,000 BTU/H to 18,000 BTU/H.

Benefits:

- Manufactured under certified processes, according to ISO-9000 and TECAM quality and warranty standards
- Its housing ensures quiet operation
The water coil is manufactured with copper tubing and aluminum fins
- Equipped with washable filters

	VOLT	MBH	CFM
4AFC 51W	1 PH - 220V	9.2	300
4AFC 68W	1 PH - 220V	12.3	400
4AFC 85W	1 PH - 220V	15.3	500
4AFC 102W	1 PH - 220V	18.4	600

Note: Imported product. The design of the housing shown in the image may vary depending on availability.

4AFC_CA

Cassette-type fan coil

Remote Control - Free Discharge - Chilled Water

Cassette-type chilled water fan coil unit, with remote control.

It is designed for false ceiling installation, for air supply in four adjustable flow directions. This allows for healthy and comfortable indoor air quality. Available in capacities from 9,000 BTU/h to 43,000 BTU/h.

Benefits:

- Manufactured under certified processes, compliant with ISO-9001 and quality standards.
- Its internal insulation ensures quiet operation.
- Modern design that blends well in any space.



	VOLT	MBH	CFM
4AFC 051 CA	1 PH - 220V	10.3	300
4AFC 068 CA	1 PH - 220V	12.6	400
4AFC 085 CA	1 PH - 220V	15.4	500
4AFC 102CA	1 PH - 220V	19.5	600
4AFC 136 CA	1 PH - 220V	24.8	850
4AFC 170 CA	1 PH - 220V	28.0	950
4AFC 204 CA	1 PH - 220V	35.5	1200
4AFC 238 CA	1 PH - 220V	44.0	1500

Note: Imported product



4FRW

Fan coil

False ceiling - Ducted - Chilled Water

The 4FRW fan coil units are part of the Tecam product line of water-cooled cooling systems. A product created for ducted applications. It is developed compactly and reliably.

Benefits:

- Easy installation
- Versatility
- Quality - AHRI-certified coils

	VOLT	MBH	CFM
4FRW 02	220	24	900
4FRW 04	220	36	1350
4FRW 05	220	48	1800

4FRCW

Fan coil

Ducts - Chilled Water

The 4FRCW fan coil units are part of the Tecam product line of water-cooled cooling systems. Designed for ducted applications.

It provides the user with multiple vertical or horizontal installation options. Its compact, reliable, and completely factory-assembled construction offers easy maintenance.

Benefits:

- Easy installation
- AHRI Certification
- Versatility
- Warranty



	VOLT	MBH	CFM
4FRCW 24	220	24	750
4FRCW 36	220	36	1500
4FRCW 48	220	48	2000
4FRCW 60	220	60	2200

DIRECT EXPANSION



4FRDX

Fan coil

Ducted - High-Efficiency R410A - Direct expansion

The 4FRDX fan coil units are part of the Tecam product line in direct expansion and high-efficiency systems. It is developed compactly and reliably.

Benefits:

- Easy installation
- Versatility
- Quality - AHRI-certified coils

	VOLT	MBH	CFM
4FRDX 36	1 PH - 220V	36	1200
4FRDX 48	1 PH - 220V	48	1600
4FRDX 60	1 PH - 220V	60	2000

Note: Imported product

VENTILATION

Specialized Line: Residential and Commercial Sector.

Mechanical ventilation units created for solutions in parking lots, industrial areas, kitchens, bathrooms, large areas, and call centers, among others. A wide variety of options and solutions that meet the most demanding quality standards.

Featuring a wide range of fans, filters, and configurations, they provide the user with multiple options for each application. Furthermore, their robust, compact, and reliable construction, completely factory assembled, offers great flexibility for assembly and maintenance.

Ventilation
Equipment





4FSM Ventilator Unit

Ducted

Tecam's chilled water fan coil units come in capacities from 750 to 6000 CFM, to be used in processes or applications for direct discharge or ductwork.

Benefits:

- Rear or bottom air return provides greater installation flexibility
- Unit built with galvanized sheet metal and electrostatic paint. Maximum protection against corrosion
- The filter can be removed upwards, downwards, to the left, or the right
- Symmetrical structural design

	TRANSMISSION	VOLT	CFM
4FSM 075	Direct coupling	1 PH - 220V	750
4FSM 120	Direct coupling	1 PH - 220V	1200
4FSM 160	Direct coupling	1 PH - 220V	1600
4FSM 220	Direct coupling	1 PH - 220V	2200
4FSM 330	Belt-driven	3 PH - 220V	3300
4FSM 440	Belt-driven	3 PH - 220V	4400
4FSM 660	Belt-driven	3 PH - 220V	6600

4FF Ventilator Unit

Units for ventilation or exhaust air applications in commercial and industrial systems. Modular systems, created for solutions and field installations with airflow capacity requirements ranging from 300 to 56000 CFM.

Benefits:

- The modular units can be installed on rails with or without dampers, suspended from the ceiling, or mounted on machines that require airflow
- They can supply air vertically or horizontally
- The motor can be positioned in multiple ways according to customer requirements
- The fans used in these modular units are manufactured and tested at LAU Industries' Engineering Laboratory, USA.



MODEL	AIR FLOW (CFM)			
	1 FAN (1F)		2 FANS (2F)	
	FROM	TO	FROM	TO
904	530	1590	1060	3180
1010	1170	4420	2340	8840
1212	1600	6190	3200	12380
1515	2320	8810	4640	17620
1818	3010	12410	6020	24820

AIR HANDLERS

Heavy-duty
air handlers



Commercial
air-handlers



Tecam technology for the commercial and industrial sectors. Line of high-quality air handling units, environmentally friendly, modern designs with materials selected within internationally specified parameters; qualities that generate enough reliability and security to install Tecam equipment.

Commercial air handlers for air cooling in comfort applications, ranging from 7.5TR to 50TR; to be installed horizontally or vertically, indoors, with airflow rates between 3,000 CFM and 20,000 CFM.

Heavy-duty air handlers that operate for cooling, heating, and ventilation, ranging from 2TR to 100TR; to be installed horizontally or vertically, indoors or outdoors, with airflow rates between 650 CFM and 50,000 CFM.



4FZX

Commercial air handling unit

High efficiency - R410A direct expansion

R410A

unit of the Harmony line, which is part of the Tecam line of split-system and direct expansion chillers. Designed for high energy-saving solutions thanks to its high-efficiency components and environmental care (R410A coolant).

Benefits:

- The air handling units can be installed on the floor or suspended from the ceiling
- Double condensate tray for horizontal or vertical operation
- FC fans coupled to motors through belts and pulleys
- Quality - Tecam Coil software certified by AHRI
- Installed thermostatic expansion valve
- High-efficiency coil

	MOTOR	VOLT	MBH	CFM
4FZX 08	1.5	3Ph - 220/380/460V	90	3000
4FZX 12	2.0	3Ph - 220/380/460V	120	4000
4FZX 14	3.0	3Ph - 220/380/460V	150	5000
4FZX 16	3.0	3Ph - 220/380/460V	180	6000
4FZX 24	4.0	3Ph - 220/380/460V	240	8000
4FZX 28	5.0	3Ph - 220/380/460V	300	10000
4FZX 34	7.5	3Ph - 220/380/460V	360	12000
4FZX 48	12.0	3Ph - 220/380/460V	480	16000
4FZX 60	15.0	3Ph - 220/380/460V	600	20000

4FDW

Commercial air handling unit

High-efficiency - Chilled Water

The 4FDW air handling unit is designed as a solution for high-efficiency chilled water equipment requirements. There is a wide variety of options and solutions within the line that meet national and international quality standards.

Benefits:

- Air handling units can be installed on the floor or suspended from the ceiling
- Double condensate tray for horizontal or vertical operation
- FC fans coupled to motors through belts and pulleys
- Quality - Tecam Coil software certified by AHRI
- High-efficiency coil



	MOTOR	VOLT	MBH	CFM
4FDW 08	1.5	3Ph - 220/380/460V	90	3000
4FDW 10	1.5	3Ph - 220/380/460V	102	3400
4FDW 12	2.0	3Ph - 220/380/460V	120	4000
4FDW 14	3.0	3Ph - 220/380/460V	150	5000
4FDW 16	3.0	3Ph - 220/380/460V	180	6000
4FDW 24	4.0	3Ph - 220/380/460V	240	8000
4FDW 28	5.0	3Ph - 220/380/460V	300	10000
4FDW 34	7.5	3Ph - 220/380/460V	360	12000
4FDW 48	12.0	3Ph - 220/380/460V	480	16000
4FDW 60	15.0	3Ph - 220/380/460V	600	20000



3AHB/ADB/ADBT Heavy-duty modular air-handling units

Single or double wall -
Horizontal or vertical -
Direct expansion or chilled water

AHB: SINGLE WALL
ADB: 1" DOUBLE WALL
ADBT: 2" DOUBLE WALL



The 3AHB, 3ADB, and 3ADBT single and double wall air handling units are designed for heavy-duty applications, with the great feature of using thermal bridging profiles and panels creating a thermal barrier that prevents heat transfer by conduction from the outside surface to the inside surface of the machine, avoiding the generation of condensate on the outside surface and improving thermal efficiency.

The R410A and/or chilled water-cooling coils installed in the chillers are designed and manufactured according to the performance results of the TECAM-COIL Software certified by AHRI under standard 410.

Benefits:

- Easy to install, modular, which facilitates its applicability in a variety of applications in a variety of projects
- Its structure built with profiles with thermal bridge and plastic corner pieces, allows the machine to be configured in one or several modules
- Its state-of-the-art components meet the most demanding international quality and energy efficiency standards

	ÁREA SER. PIE ²	FILAS	ALETAS/P	CFM
3AHB/ADB/ADBT 02	02	4/6/8	8-16	1100
3AHB/ADB/ADBT 03	03	4/6/8	8-16	1650
3AHB/ADB/ADBT 06	06	4/6/8	8-16	3300
3AHB/ADB/ADBT 09	09	4/6/8	8-16	4950
3AHB/ADB/ADBT 13	13	4/6/8	8-16	7150
3AHB/ADB/ADBT 17	17	4/6/8	8-16	9350
3AHB/ADB/ADBT 21	21	4/6/8	8-16	11550
3AHB/ADB/ADBT 26	26	4/6/8	8-16	14300
3AHB/ADB/ADBT 32	32	4/6/8	8-16	17600
3ADBT 39	39	4/6/8	8-16	21450
3ADBT 48	48	4/6/8	8-16	26400
3ADBT 57	57	4/6/8	8-16	31350
3ADBT 75	75	4/6/8	8-16	41250
3ADBT 90	90	4/6/8	8-16	49500



3ADB / 3ADBT

Air handling unit

Energy recovery

Equipment designed with an energy conservation wheel (ECW) or enthalpy wheel. Which results in high efficiency and higher energy savings.



Benefits:

- Enthalpy wheel certified to AHRI Standard 1060
- Wheel material complies with NFPA and UL standards
- Enthalpy wheel certified to AHRI Standard 1060
- High efficiency ECW wheel
- AHRI Standard 410 Certified Coils
- AMCA-certified Plenum Fans
- Aluminum framing with thermal bridging
- 1" or 2" double wall panels with thermal bridging
- Stainless steel condensate tray
- Multiple configuration options
- Airflow rate up to 50,000 CFM
- Reduces initial HVAC system investment
- Allows downsizing of compressors, condensers

UMA	ENTHALPY WHEEL (ECW)			
	MAXIMUM SIZE OF THE AMU (diam x width) (in.)			EFFICIENCY (%) *
3ADBT 03	28 x 4	-	-	67.1
3ADBT 06	32 x 4	-	-	60.0
3ADBT 09	42 x 4	-	-	60.5
3ADBT 13	54 x 4	60 x 6	-	71.1
3ADBT 15	60 x 4	60 x 6	-	69.6
3ADBT 17	66 x 4	72 x 6	-	74.1
3ADBT 21	72 x 4	72 x 6	-	70.2
3ADBT 26	84 x 4	84 x 6	-	71.7
3ADBT 32	84 x 4	84 x 6	-	65.6
3ADBT 36	84 x 4	102 x 6	-	71.6
3ADBT 39	84 x 4	120 x 6	-	74.4
3ADBT 48	-	120 x 6	120 x 12	69.9
3ADBT 57	-	132 x 6	132 x 12	70.4

CONDENSERS

Equipment designed to be applied in the residential, commercial and industrial sectors. Tecam condensing units, of the Harmony product line, are of high quality, environmentally friendly, finely crafted designs and materials selected within internationally specified standards, creating sufficient reliability and assurance that you are acquiring the best product on the market.

3 TR to 60 TR capacities with split systems and high efficiency, in direct expansion applications with environmentally friendly coolants, and options to be installed horizontally or vertically outdoors.

Condensers



1UEBE

Condenser

High efficiency R410A -
Low noise - Horizontal discharge

The 1UEBE series condensing unit, with horizontal discharge belongs, to the line of air-cooled direct expansion split systems. These units operate with high efficiency R-410A environmentally friendly coolant and are designed for outdoor installation. The 1UEBE family is designed for residential, commercial, and industrial applications.

Benefits:

- Superior efficiency
- Optimum performance in its components. Low condensation pressures
- Low noise levels
- Easy installation and maintenance
- Coverage from 2 to 5 tons of refrigeration
- State-of-the-art scroll compressor



	COMPR.	TIPO	Ph - Hz - Volt	MBH
1 UEBE 24	ROTATIVE	HERMET	1-60-220	24
1 UEBE 36	SCROLL	HERMET	1-60-220	36
1 UEBE 48	SCROLL	HERMET	1-60-220	48
1 UEBE 60	SCROLL	HERMET	1/3-60-220	60



1UVC

Condenser

High efficiency R410A -
Low noise - Vertical discharge

State-of-the-art condensing units, available in capacities from 3TR to 5TR.

Its manufacturing has very demanding quality standards, where each unit is certified with AHRI 210/240. SEER ≥ 13, which allows an environmentally friendly operation and money savings in energy bills.

Benefits:

- High Efficiency
- Optimum performance of its components
- Low condensation pressures
- Low noise level
- Easy installation and maintenance
- Latest generation scroll compressor

	COMPR.	TIPO	Ph - Hz - Volt	MBH
1 UVC 36	SCROLL	HERMET	1-60-220	36
1 UVC 48	SCROLL	HERMET	1-60-220	48
1 UVC 60	SCROLL	HERMET	1/3-60-220	60

Note: Imported product

1UZTR

Condenser

High efficiency R410A - Low noise - Vertical discharge

Harmony Line with fin and tube heat exchangers. This condenser is designed for air-cooled direct expansion split systems. It features a robust and compact design that offers great flexibility for installation and maintenance.

Benefits:

- Easy installation
- Versatility
- Tecam international quality and warranty
- Scroll Compressor



	COMPR.	TIPO	Ph - Hz - Volt	MBH
1 UZT 08	SCROLL	HERMET	3-60-220 / 460	90
1 UZT 12	SCROLL	HERMET	3-60-220 / 460	120
1 UZT 14	SCROLL	HERMET	3-60-220 / 460	150



1UZER

Condenser

High efficiency R410A - Low noise - Vertical discharge

Harmony Condensing Units have been specially designed to achieve high-efficiency rates, using high-performance components with low energy consumption and R-410A environmentally friendly coolant, reducing the generation of impacts that may affect the environment.

Benefits:

- Easy installation and maintenance
- Versatility
- Tecam international quality and warranty

	COMPR.	TIPO	Ph - Hz - Volt	MBH
1 UZER 16	SCROLL	HERMET	3-60-220 / 460	180
1 UZER 24	SCROLL	HERMET	3-60-220 / 460	240
1 UZER 28	SCROLL	HERMET	3-60-220 / 460	300
1 UZER 34	SCROLL	HERMET	3-60-220 / 460	360

PACKAGED UNITS

Air-Cooled
Packaged
Condensing Units



Water-Cooled
Packaged
Condensing Units



The water-condensing and air-condensing packaged units are high quality, environmentally friendly, and have finely crafted designs with selected materials within internationally specified standards.

Reliability and safety are the hallmarks of Tecam packaged equipment.

Available in capacities from 1.5 TR to 30 TR, they are high-efficiency units that operate with environmentally friendly R-410A coolant.

8GAZT Packages Air condensation

High efficiency R410A

Harmony line packages, equipped with cooling coils certified under the AHRI 410 standard, which belong to the Tecam product family of air-cooled direct expansion systems, created for solutions with environmentally friendly R-410A coolant requirements and high efficiency.

The Harmony family offers a wide variety of options and solutions that meet the most demanding quality standards.

With a wide range of fans, filters, and configurations, in both air supply and return, it provides the user with multiple options for each application. Furthermore, its robust, compact, and reliable construction, completely factory assembled, offers great flexibility for assembly and maintenance.



Benefits:

- Multiple air supply and return options
- Tecam Coil software, certified by AHRI according to standard 410 and tested by AHRI accredited laboratory in the United States of America.
- Harmony product line. Guaranteed energy and money savings
- Highly weather-resistant paint protection

	COMPR.	Ph - Hz - Volt	MBH	CFM
8 GAZT 08	SCROLL	3-60-220 / 460	90	3000
8 GAZT 12	SCROLL	3-60-220 / 460	120	4000
8 GAZT 14	SCROLL	3-60-220 / 460	150	4800
8 GAZT 16	SCROLL	3-60-220 / 460	180	6000
8 GAZT 24	SCROLL	3-60-220 / 460	240	8000
8 GAZT 28	SCROLL	3-60-220 / 460	300	10000

Horizontal



Vertical

8GWZB / 8GWYB

Water-Cooled Packaged Units

High efficiency R410A
False Ceiling - Horizontal or Vertical

Equipment with horizontal or vertical configuration. Coils certified under the AHRI 410 standard. They are light and compact units, specially designed for applications in reduced spaces. They are highly efficient and operate with environmentally friendly R410A coolant. Their versatility, flexibility in heat load management, and heavy-duty structure make them the ideal product for a variety of projects.

Benefits

- The horizontal configuration is specially designed to be installed in the false ceiling and to allow free access to its interior parts, thus making maintenance easier
- High operating efficiency with appropriate water flow, connecting to cooling tower systems, or to the domestic water system
- Quiet operation for a pleasant working environment
- Fans manufactured and tested in the engineering laboratory of LAU Industries, Inc.

	COMPR.	Ph - Hz - Volt	MBH	CFM
8 GWZB/YB 18	ROT	1-60-220	18	600
8 GWZB/YB 24	ROT	1-60-220	24	800
8 GWZB/YB 36	SCROLL	1-60-220	36	1200
8 GWZB/YB 48	SCROLL	1/3-60-220	48	1600
8 GWZB/YB 60	SCROLL	1/3-60-220	60	2000
8 GWZB/YB 72	SCROLL	1/3-60-220	72	2400

8GWZB: Horizontal model /8GWYB: Vertical model

8GWZT / 8GWYT

Water-Cooled Packaged Units

High Efficiency R410A -
Horizontal or vertical

Packages with horizontal or vertical configuration, with coils certified under AHRI 410 standard, of the Tecam direct expansion, water condensed product line. Units that seek to meet the most demanding quality standards. High efficiency and working with environmentally friendly R410A coolant. Versatile and flexible for handling heat load and heavy duty.



Horizontal

Benefits:

- Designed to be installed in the ceiling or floor allowing free access to its interior parts and thus facilitating its maintenance
- Operation performance with the appropriate water flow, connecting to cooling tower systems
- The components are selected to perform a silent operation, allowing for a pleasant environment
- Operation performance with the appropriate water flow, connecting to cooling tower systems



Vertical

	COMPR.	Ph - Hz - Volt	MBH	CFM
8 GWZT/YT 08	SCROLL	3-60-220 /460	90	3000
8 GWZT/YT 12	SCROLL	3-60-220 /460	120	4000
8 GWZT/YT 14	SCROLL	3-60-220 /460	150	5000
8 GWZT/YT 16	SCROLL	3-60-220 /460	180	6000
8 GWZT/YT 24	SCROLL	3-60-220 /460	240	8000
8 GWZT/YT 28	SCROLL	3-60-220 /460	300	10000
8 GWZT/YT 34	SCROLL	3-60-220 /460	360	12000

8GWZT: Horizontal Model / 8GWYT: Vertical Model

PRECISION UNITS

Highly energy efficient and environmentally friendly precision units. Designed with the most advanced technology to offer high performance and safety in the conditioning of computer and telephony centers, laboratories, and applications where strict temperature, humidity and safety control is required.

They offer all the options for remote monitoring, connection to BMS systems and graphers.

Precision units are available for direct expansion and chilled water. The direct expansion machines come equipped with compressors to operate in combination with the remote air-cooled or water-cooled condenser.

Chilled water machines are designed to operate with valves commanded directly by a controller in a precise and efficient manner. Capacities from 3 TR up to 30 TR, operating with environmentally friendly coolant and vertical upward or vertical downward air supply.

Precision unit



5PZA / PZW / PWD PRECISION UNITS

Direct Expansion /
Chilled Water Computer /
Telephony Rooms / Laboratories

Precision units with coils are certified under the AHRI 410 standard. They operate with high-efficiency R-410A environmentally friendly coolant, and air or water condensation. Additionally, they can be connected to chilled water systems.

Precision equipment developed under the Harmony line which results in high efficiency and very low noise level. Its vertical configuration allows it to supply air from both the top and the bottom, making it very versatile in its application, extending its use to the telecommunications industry, computer rooms, laboratories and oil companies, among others.

Benefits:

- It has a Carel controller of the CPCO families, which in addition to controlling all temperature, humidity, and air filtration variables, allows it to operate as a single machine or in redundant systems, where multiple machines can operate (rotating, up to 6), always keeping one on stand-by
- Remote monitoring (optional)
- The units are equipped with an electronic humidifier and a heating element bank, which, with the help of the compressor, independently and precisely controls the temperature and humidity of the air
- Precision unit coils have been designed and manufactured in our plant to meet the capabilities offered in our AHRI-certified Tecam Coil Software according to Standard 410, and tested by AHRI accredited laboratory in the United States of America.



Chilled Water Precision Units

	Ph - Hz - Volt	MBH	DISCHARGE
5PWD 02	3-60-220	24	UPPER/LOWER
5PWD 03	3-60-220	36	UPPER/LOWER
5PWD 04	3-60-220 /460	48	UPPER/LOWER
5PWD 06	3-60-220 /460	60	UPPER/LOWER
5PWD 08	3-60-220 /460	90	UPPER/LOWER
5PWD 12	3-60-220 /460	120	UPPER/LOWER
5PWD 16	3-60-220 /460	180	UPPER/LOWER
5PWD 20	3-60-220 /460	240	UPPER/LOWER
5PWD 30	3-60-220 /460	360	UPPER/LOWER

Carel electronic controller

Direct expansion precision units Computer and Telephony Rooms - Laboratories

	COMPR.	Ph - Hz - Volt	MBH	DISCHARGE
5PZA/W 02	ROTATIVE	1-60-220 /460	24	UPPER/LOWER
5PZA/W 03	SCROLL(1)	1-60-220 /460	36	UPPER/LOWER
5PZA/W 04	SCROLL(1)	3-60-220 /460	48	UPPER/LOWER
5PZA/W 06	SCROLL(2)	3-60-220 /460	60	UPPER/LOWER
5PZA/W 08	SCROLL(2)	3-60-220 /460	90	UPPER/LOWER
5PZA/W 12	SCROLL(2)	3-60-220 /460	120	UPPER/LOWER
5PZA/W 16	SCROLL(2)	3-60-220 /460	180	UPPER/LOWER
5PZA/W 20	SCROLL(2)	3-60-220 /460	240	UPPER/LOWER
5PZA/W 30	SCROLL(2)	3-60-220 /460	360	UPPER/LOWER

5PZA: High efficiency R410A coolant

5PZW: Water condensed package equipment, R410A coolant



5PCA Precision unit Inverter

Small areas of: Telecommunications, Data Centers, Laboratories and Call Centers

Telecommunications, Data Centers, Laboratories and Call Centers
Equipment designed to offer a strict temperature and humidity control. It is installed in false ceilings. It is equipped with BMS connectivity and remote monitoring. It works with R410A coolant which is environmentally friendly.

Beneficios:

- INVERTER System
- High Efficiency Inverter Compressor
- Plenum Fan / EC Motor
- Electronic expansion valve
- Electrical resistors
- Analog humidification
- Pressure transducers
- High efficiency evaporator coil
- Electrostatic powder coating
- Square steel pipe chassis
- Easy installation in false ceiling

MODEL	5PCA*						
	12	18	24	30	36	48	60
CAPACITY (MBTU/H)	12000	18000	24000	30000	36000	48000	60000
VOLTAGE/PH/HZ	220VAC/ 1Ph/ 60Hz			220VAC/ 1Ph-3Ph / 60Hz			
NOMINAL AIR FLOW (CFM)	600		1200		1500	2000	2500
FANS (QUANTITY)	1		2		1		
HUMIDIFIER	3 Lb /Hr			6,6 Lb/Hr			
RESISTANCE	2 x 1300 W			3 x 1300 W		4 x 1300 W	
DISCHARGE CONNECTION	3/8		1/2		1/2		
LIQUID CONNECTION	3/8			3/8			
DIMENSIONS (A) LENGTH (IN)	53,35			1,3			
DIMENSIONS (B) WIDTH (IN)	28,3			46,35		6,3	
DIMENSIONS (C) HEIGHT (IN)	24,82			8,2			

Carel electronic controllers

CPCO



PCO5



WATER CHILLERS

Tecam offers its customers and users in the commercial, hotel, and industrial sectors, a solution for every need, with high quality and environmentally friendly water-cooling units, designs made with selected materials within international specification standards, generating enough reliability and security that you are acquiring the best product in the market.

Available in capacities from 3 to 60 TR of air condensation with horizontal or vertical discharge or water condensation.

Chillers with capacities from 3 to 15 TR are manufactured with imported Tube-Tube coaxial evaporators and chillers with capacities from 20 to 60 TR are manufactured with imported shell and tube evaporators.

These high-efficiency units operate with environmentally friendly R-410A coolant and can be installed in gardens or terraces.

Chillers for air conditioning



7EEBE

Water Chiller

Air condensation - Horizontal
- Carel Controller

Designed for solutions with high efficiency and environmentally friendly R-410A coolant requirements. It includes an electronic controller for a more precise management of the inlet and outlet water temperature, also allowing its monitoring through network supervisors. Optionally it can be supplied with an electronic expansion valve and water pump. Product for residential, commercial, and industrial applications.



Benefits:

- High efficiency
- Optimum component performance, ensuring balanced operation, low condensation pressures
Low noise level
- Easy installation and service
- Light and compact units
- Coverage from 3 to 5 tons of refrigeration

	COMPR.	Ph - Hz - Volt	MBH
7EEBE 36	SCROLL	1-60-220	36
7EEBE 48	SCROLL	1-60-220	48
7EEBE 60	SCROLL	1/3-60-220 / 460	60



7EVZB

Water Chiller

Air condensation - Vertical
- Carel Controller

The Harmony line for water chillers works with environmentally friendly R-410A coolant with high efficiency in commercial and industrial applications.

This line of water chillers includes the latest technological innovations in scroll compressors, low-noise fans, microprocessor control, fin-tube condensers, and hydronic module.

Benefits:

- High efficiency
- It can be equipped with a hydronic module installed inside the equipment, which saves external space and makes installation easier
- Tube-Tube Evaporators
- Due to its small size and lightweight, with the aid of optional dollies or rolling platforms, it can be transported and positioned at the required location

	COMPR.	TIPO	Ph - Hz - Volt	MBH
7EVZB 36	SCROLL	HERMET	1-60-220	36
7EVZB 48	SCROLL	HERMET	1-60-220	48
7EVZB 60	SCROLL	HERMET	1/3-60-220 / 460	60

Optional: tank, pump, wheels

7EZTR

Water Chiller

High efficiency - Air condensation
- Carel Controller - 7.5 to 10 TR

Line created for solutions with environmentally friendly R-410A coolant requirements and high-efficiency in hotel, commercial and industrial applications. This line of water chillers includes the latest technological innovations which offer a wide variety of options and solutions to meet the most demanding requirements and quality standards, such as ozone-friendly coolants, scroll compressors, low-noise fans, Carel microprocessor control and fin and tube condensers (optional Microchannel)



Benefits:

- Its reduced size and low height allowing it to blend in with any architectural style
- Quick access to any of its internal components is possible thanks to its easily removable panels
- Coaxial Tube-Tube Evaporators in capacities from 7.5 to 15 TR
- Can handle the heat load in a more efficient and flexible way, especially in variable load application
- The axial fans used in 7EZT water chillers are manufactured and tested in LAU Industries' engineering laboratory

	COMPR.	TYPE	Ph - Hz - Volt	MBH
7EZTR 08	SCROLL	HERMET	3-60-220 / 460	90
7EZTR 10	SCROLL	HERMET	3-60-220 / 460	120

7EZER

Water Chiller

High efficiency - Air condensation
- Carel Controller - 15 to 30 TR

The 7EZER Water Chillers have been specially designed to achieve high-efficiency rates, using high-performance components with low energy consumption and environmentally friendly R-410A coolant, reducing the generation of impacts that may affect the environment.



Benefits:

- The reduced size and low height allow it to blend in with any architectural style
Can handle the heat load in a more efficient and flexible way, especially in variable load application
The axial fans used in 7EZT water chillers are manufactured and tested in LAU Industries' engineering laboratory
- Quick access to any of its internal components is possible thanks to its easily removable panels
- Shell and tube evaporators in capacities from 20 to 30 TR
- Can handle the heat load more efficiently and flexibly, especially in variable load applications
- The axial fans used in 7EZER water chillers are manufactured and tested in LAU Industries' engineering laboratory

	COMPR.	TYPE	Ph - Hz - Volt	MBH
7EZER 15	SCROLL	HERMET	3-60-220 / 460	180
7EZER 20	SCROLL	HERMET	3-60-220 / 460	240
7EZER 25	SCROLL	HERMET	3-60-220 / 460	300
7EZER30	SCROLL	HERMET	3-60-220 / 460	360

7EZDR

Water Chiller

High efficiency - Air condensation
- Carel Controller - 40 to 60 TR

The 7EZDR water chiller can be supplied with a hydronic module for installation external to the equipment but controlled from the machine's electronic controller. It controls the start-up of the equipment, the water pump, and the supply and return temperature. Additionally, it protects the equipment and reports alarms. Its small size allows it to blend in with any architectural style. Its easily removable panels allow quick access to any of its components inside the unit. A wide range of models and capacities are available with two or four compressors connected in tandem. 2 circuits and several accessories. The 7EZDR water cooler can be installed on the floor, in a garden or on a terrace in such a way that it allows you to freely discharge the air vertically.

Beneficios:

- It offers maximum energy savings thanks to its electronic control technology and energy-efficient components.
- Flexibility: with 1 or 2 compressors installed in each independent circuit, the 7EZDR units can handle the heat load in a more efficient and flexible way, especially in variable load applications.
- Optional: Chiller with Modine Luvata corrosion protection.

	COMPRESSOR	TYPE	Ph-Hz-Volt	MBH
7EZDR 40	SCROLL (4)	TANDEM (2+2)	3-60-220/460	480000
7EZDR 50	SCROLL (4)	TANDEM (2+2)	3-60-220/460	600000
7EZDR 60	SCROLL (4)	TANDEM (2+2)	3-60-220/460	720000



7EWTE

Water Chiller

High efficiency - Water condensation
- Carel Controller - 7.5 to 60 TR

Units specially designed for the commercial (hotels, offices, shopping malls) and industrial sectors (cooling of machinery, injection molds, lamination rolls, cooling jackets) and for any other use requiring chilled water. The unit is built in a single body consisting of 4 basic parts: compressor, evaporator, control center and condenser.

Benefits:

- Maximum profitability in terms of performance and efficiency, as well as operation and maintenance costs.
- The evaporator and condenser are coaxial Tube-Tube type in capacities from 7.5 to 15 TR; and Shell-Tube type in capacities from 20 to 60 TR are manufactured in high quality steel and copper tubing with corrugated surface for better heat transfer.



	COMPR.	TYPE	Ph-Hz VOLT	MBH
7EWT 08	SCROLL(1)	HERMET	3-60-220 / 460	90
7EWT 10	SCROLL(1)	HERMET	3-60-220 / 460	120
7EWT 12	SCROLL(1)	HERMET	3-60-220 / 460	150
7EWT 15	SCROLL(1)	HERMET	3-60-220 / 460	180
7EWT 20	SCROLL(2)	HERMET	3-60-220 / 460	240
7EWT 25	SCROLL(2)	HERMET	3-60-220 / 460	300
7EWT 30	SCROLL(2)	HERMET	3-60-220 / 460	360
7EWT 40	SCROLL(4)	HERMET	3-60-220 / 460	480
7EWT 50	SCROLL(4)	HERMET	3-60-220 / 460	600
7EWT 60	SCROLL(4)	HERMET	3-60-220 / 460	720

COILS

Line dedicated to the hotel, commercial, industrial, and transportation sectors. They provide a solution for every need. High quality, designs with selected materials within internationally specified parameters, which generates reliability and security knowing that the best product in the market is being acquired. Tecam manufactures coils for special applications on sizes, or for replacement of existing equipment.

Tecam is the first Colombian company to obtain AHRI certification under standard 410 for its forced air-cooling coils, for applications with R410A coolant gas and chilled water.

Coils



2CX-2CW-2CU

Coils

Direct expansion - Chilled water
- Hot water

Manufactured in imported copper tubing and die-cut aluminum fins with the exclusive "Opti-Finn" system for optimum heat transfer and high energy efficiency.

Applications:

- Condensers
- AHRI 410 certified evaporators
- Cooling Coils
- Heating Coils

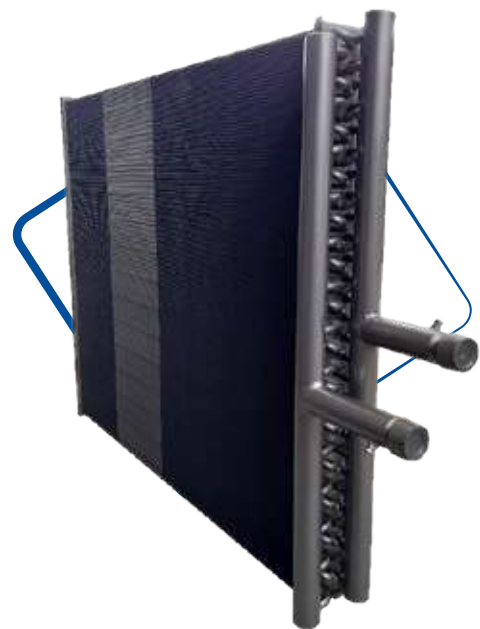
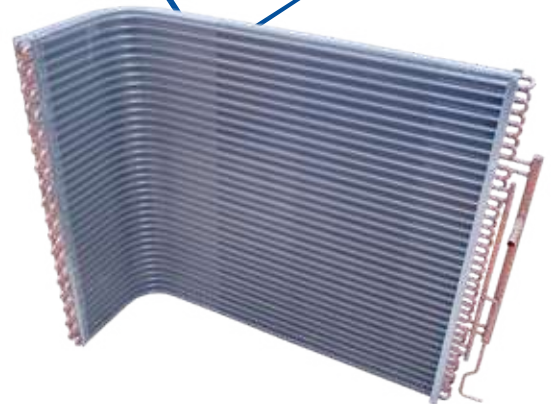
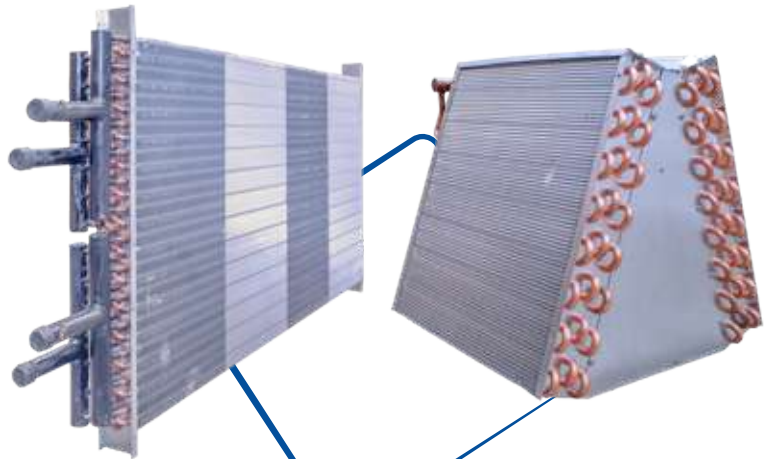
	COPPER PIPE	FINS INCH	FOIL ALUMINUM	ROW
2CX= Expansion	3/8 - 1/2	6-20	0,0050	2-12
2CW= Chilled water	1/2	6-20	0,0050	2-12
2CU = Water	1/2	6-20	0,0050	2-8

Optional: Anti-corrosion treatment for application in saline environments

Optional:

Corrosion protection service is offered through the application of Modine/ Luvata paint imported from the USA.

This paint offers protection against corrosive elements in the environment, while not affecting heat transfer.



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**THE COMFORT
EXPERIENCE IN
YOUR PROJECT**
Is Felt



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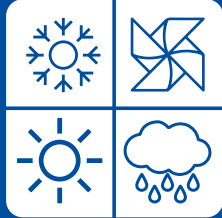
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