Uniflair
Room Cooling

e-Catalog 2025

High-efficiency room air conditioners

vers 1.0

se.com

Life Is On Schneider Electric

DX or **CW**?
Help me to choose

DX
Direct expansion
› range

CW
Chilled Water
› range

DX
Cooling version
Help me to choose

Uniflair
Room Cooling

Schneider Mission

Our mission is to be your digital partner for Sustainability and Efficiency

IMPACT Company

What we offer

We drive digital transformation by integrating world-leading process and energy technologies, end-point to cloud connecting products, controls, software and services, across the entire lifecycle, enabling integrated company management, for homes, buildings, data centers, infrastructure and industries.

Why we do it

We believe access to energy and digital is a basic human right. Our generation is facing a tectonic shift in energy transition and industrial revolution catalysed by a more electric world. Electricity is the most efficient and best vector for decarbonization; combined with circular economy approach solutions, we aim to achieve climate-positive impact as part of the United Nations Sustainable Development Goals.

Where we operate

We are one integrated company. We are the most local of global companies. Our multi-hub approach is a key element to offer improved resiliency, agility and proximity to our customers and suppliers.

We are an impact company

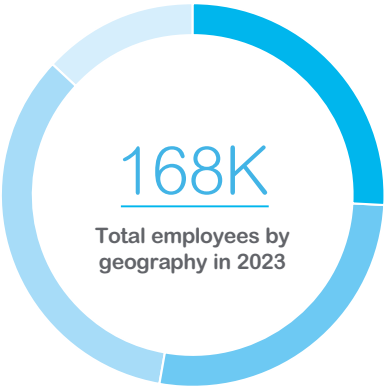
This means sustainability is at the core of everything we do, in line with our purpose.

Our four hubs

Our business

100+
Countries

€35.9bn
Revenue by geography in 2023



168K
Total employees by geography in 2023

34%	North America	24%
25%	Western Europe	26%
28%	Asia Pacific	37%
13%	Rest of the World	13%

Schneider Mission

A future worth investing in

Our position in accelerating markets

Schneider Electric's positioning for a sustainable future focuses on an All-Digital, All-Electric world, deploying its technologies into accelerating markets, to answer customer needs of sustainability and resiliency. The world is at an inflection point. Supported by all stakeholders, including governments, businesses, investors, customers and civil society, we are opening the way to a radically different future.

Digital for efficiency
Eliminate waste, drive efficiency and optimize from plant to plug

+

Electrification for decarbonization
Most efficient energy and the best vector of decarbonization

=

SUSTAINABLE WORLD greener and smarter

Our unique operating model

We leverage our unique operating model to deliver on our mission.

The Integrated Company

It allows us to provide our customers with a complete plug and play and seamless integrated solution.

Multi-hub

Multi-hub is a key element to offer improved resiliency, agility, proximity with our customers and suppliers.

The Impact Company

Sustainability is at the core of everything we do, in line with our purpose.

Open

We are advocates of open standards and partnership ecosystems. Harnessing one data platform for the next level of EcoStruxure openness.

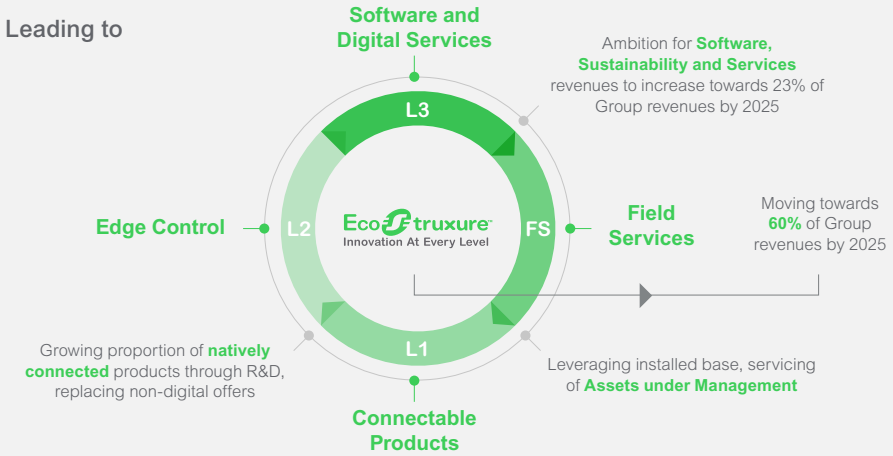
Our sustainable innovation

The **Environment Data Program** by Schneider Electric is how we categorize, measure, and compare the environmental attributes and footprint of our products.

The Environment Data Program uses a science-based methodology that provide transparent acess to different types of environmental data for all Schneider products Schneider is committed to full transparency with its ecosystem regarding environmental impact of its products.

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data Program



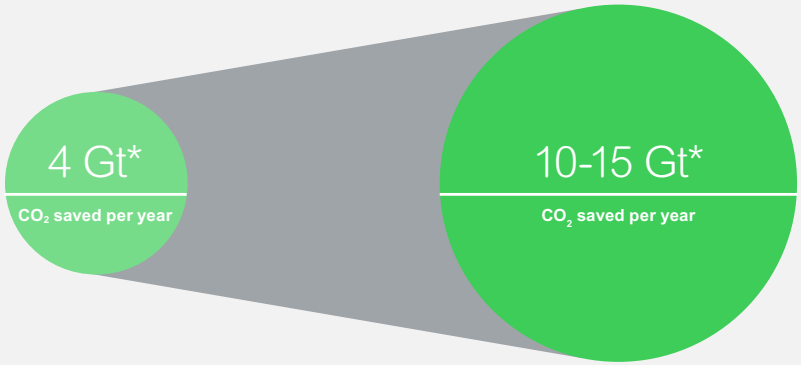
Business

Market trends - All Digital, All Electric

Our position in accelerating markets

At Schneider Electric, we believe an All Digital, All Electric world is key to limiting the global temperature increase to the 1.5°C trajectory needed to slow climate change and enable a resilient future. The energy crisis in Europe shows that decarbonization is a strategic imperative to ensuring stability today and not limited to ensuring a resilient world in the far future. In fact, the medium-term objective of reaching carbon neutrality to fight climate change fully aligns with the short-term objective of energy security. We are at an inflection point. We **need** to build a more **sustainable** and **resilient** world.

We need to save 3x more and 3x faster CO_2 emissions by 2030



Current pledged savings, post COP26, by 2030 leading to ~2.7° rise

Minimum required savings by 2030 to limit to 1.5° rise

Source: Schneider Electric™ Research Institute Scenario: Back to 2050

DIGITAL For Efficiency + **ELECTRIC** For Decarbonization = **SUSTAINABLE** Smart & Green

What we do

Data Centers of the Future

Data centers are the lifeblood for the digital world, from large cloud centers to small micro ones. They must be sustainable, resilient, efficient, and adaptive to meet the changing demands of technology.

Critical attributes of evolving data centers

Sustainable

Sustainability in data centers involves creating direct customer benefits and accounting for emissions from the entire supply chain. Robust data is crucial for a sustainable solution for both the organization and its customers.

Resilient

By reducing exposure to hazards and risks to minimize unplanned downtime. Monitoring and data analysis helps data center teams proactively avoid uptime threats and maintain business continuity.

Efficient

More and more data centers are incorporating human resources and cost aspects such as CapEx in total cost of ownership (TCO). Intelligent sensors and digital services will drive more efficient operations.

Adaptive

Speed and precision in delivering goods and services is a new business success threshold. Data centers must adjust to changing customer demands. Agile designs enable data centers to pivot and scale quickly. Meeting these demands is crucial for business success.

Up to

20%

reduction in energy usage(1).

Around

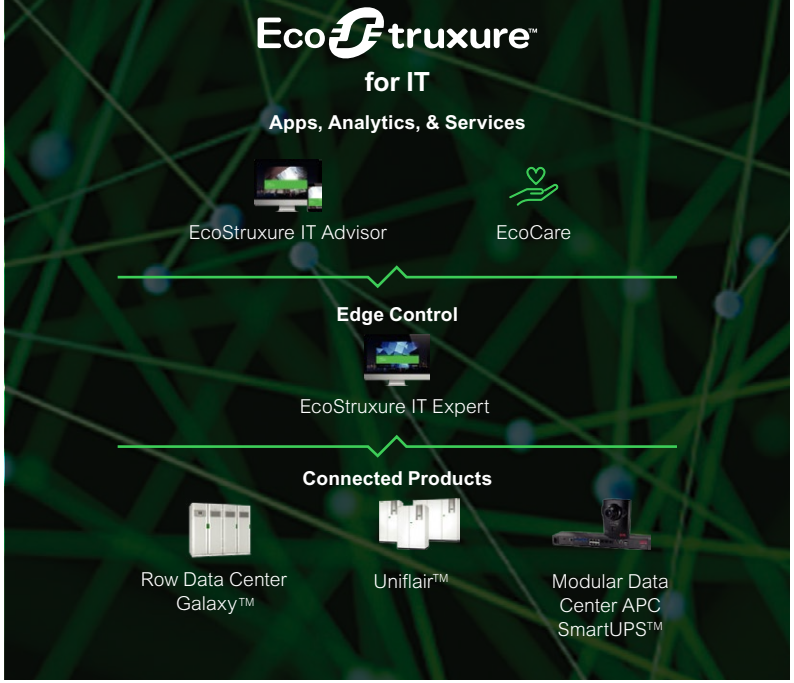
15%

reduction in maintenance costs(1).

EcoDataCenter

EcoDataCenter believes it has a responsibility to be socially and environmentally accountable when it comes to new data centers – which drives its very mission statement. Located in Falun, Sweden, they operate with an emphasis on climate- positive solutions for clients, communities, and the environment.

- Four GalaxyTM VX UPS's operating at 99% efficiency can support 3,750kW of customer load in the data center.
- Connected sensor and meter monitoring allows greater facility temperature control.
- The data center achieves new levels of efficiency, with an EER of 132 and a PUE of 1.15 by reusing low-grade waste heat.



(1) https://www.se.com/ww/en/work/campaign/life-is-on/case-study/tanishq.jsp

Schneider Mission

Our 2025 sustainability commitments

With less than 10 years left to reach the 17 United Nations Sustainable Development Goals (SDGs), Schneider Electric has accelerated its impact and is making new, bold commitments to drive meaningful impact within the framework of its business activity. Schneider Electric's 6 long-term commitments are to:

Act for a climate-positive world

by continuously investing in and developing innovative solutions that deliver immediate and lasting decarbonization in line with our carbon pledge.

Be efficient with resources

by behaving responsibly and making the most of digital technology to preserve our planet.

Live up to our principles of trust

by upholding ourselves and all around us to high social, governance, and ethical standards.

Create equal opportunities

by ensuring all employees are uniquely valued in an inclusive environment to develop and contribute their best

Harness the power of all generations

by fostering learning, upskilling, and development for each generation, paving the way for the next.

Empower local communities

by promoting local initiatives and enabling individuals and partners to make sustainability a reality for all.

2021 – 2025
SCHNEIDER
SUSTAINABILITY
IMPACT

1. **Focused**
   on material issues
2. **Disrupting**
   the status quo
3. **Transparent**
   quarterly disclosure
4. **Robust**
   assured by an independent third party
5. **Rewarding**
   employees for performance

Cybersecurity

Schneider Electric approach, and commitment

Schneider Electric is the global leader in the digital transformation of energy management and industrial automation, integrating world-leading process and energy technologies for homes, buildings, **Data Centers**, critical infrastructure, and industries.
With a digital footprint that spans the globe, the company's risk landscape is constantly evolving and requires ongoing protection against cybersecurity threats and attacks. Therefore **Cybersecurity, Product Security and Data Protection** are integral to Schneider Electric's business strategy and the digital transformation journeys of its customers. Schneider Electric is committed to providing solutions that support your needs for cybersecurity protection across all business types and industries. We apply a rigorous mindset, policies, and methodologies in the development of our products and the implementation of our solutions. Skilled and certified professionals provide vendor-agnostic services to help you assess your risk, implement cyber-specific solutions, and maintain your defenses over time at your location.
Schneider Electric recognizes that the Security of its offerings and its ability to safe guard its customers' data while complying with regulations is key to building sustainable relationships.
To reach the highest level of trustworthiness, the company continuously enhances its security posture through **five** core pillars:

Cybersecurity fundamentals and awareness management

Discover more

Taking an Enterprise-Wide Risk-Based Approach management

Discover more

Raising the bar on Cyber Defense, Threat Intelligence, and Incident or Crisis Response management

Discover more

Raising Building Trust along the Supply Chain, and with the Installed Base management

Discover more

Meeting Customer and Authority Expectations management

Discover more

The company is committed to doing business responsibly and with integrity, earning and sustaining Trust in its products, systems, and services. Mitigating risks stemming from developing threats is the result of continuous dialogue and cooperation with governments, suppliers, and customers, growing resilience through collaboration.

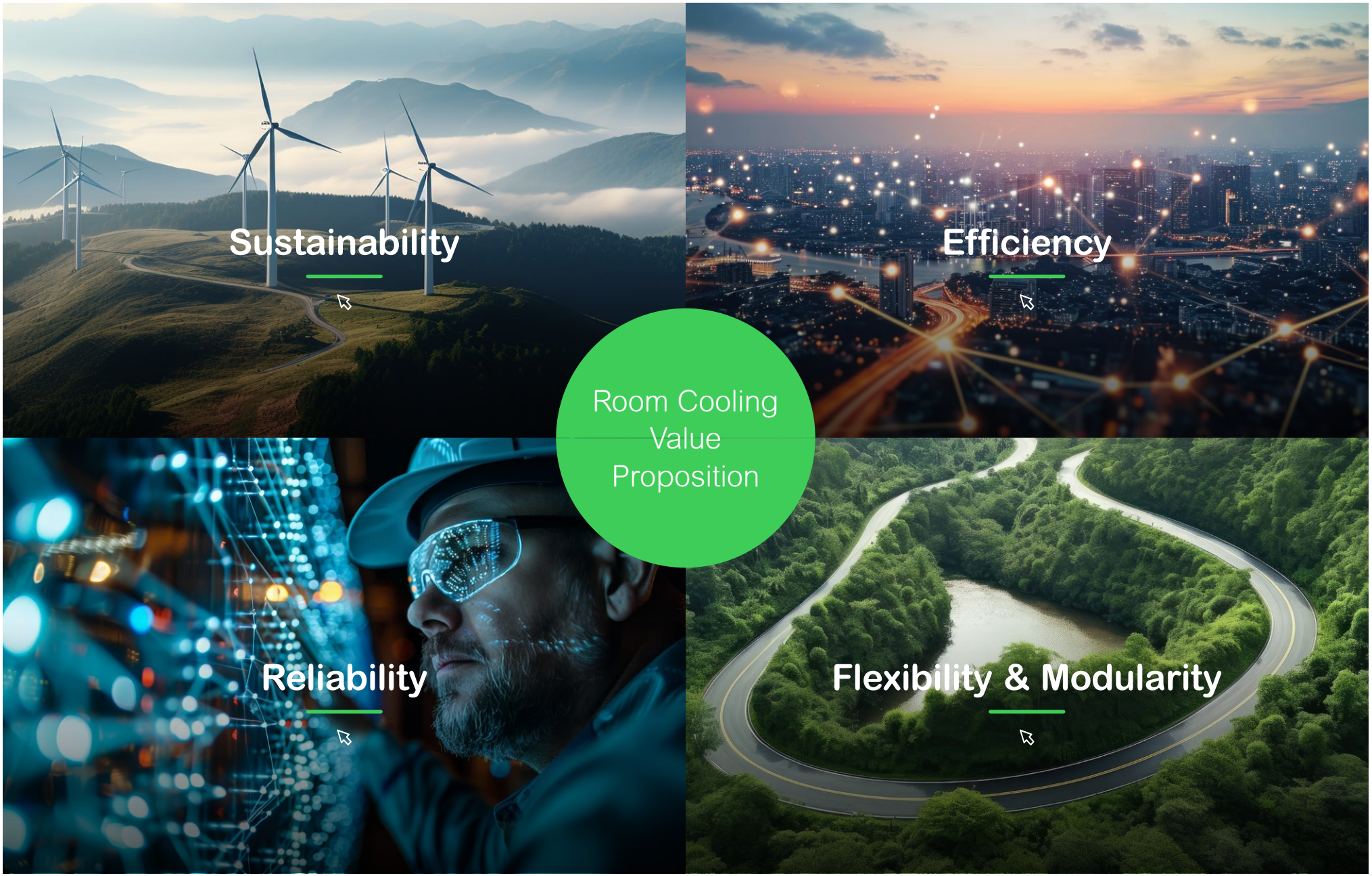
Cooling units incorporate advanced cybersecurity standards,
"We take care seriously of our Customer's needs to become the right Security Partner"

- **Application security**
- **Data privacy**
- **Product security**

To learn more

Cybersecurity and Data Protection

EcoStruxure IT Security


Sustainability
Efficiency
Room Cooling Value Proposition
Reliability
Flexibility & Modularity

Sustainability

The development that meets the needs of the present, without compromising the ability of future generations to meet their own needs.

At Schneider Electric, we are committed to providing innovative and sustainable solutions that help organizations reduce their environmental impact and operational costs. Our Uniflair Room Cooling units are designed with eco-efficiency in mind, utilizing advanced technologies to minimize energy consumption while maintaining peak performance.

Green refrigerant

Refrigerant

R410A R454B

Electronic expansion valves

EEVs

Discover more

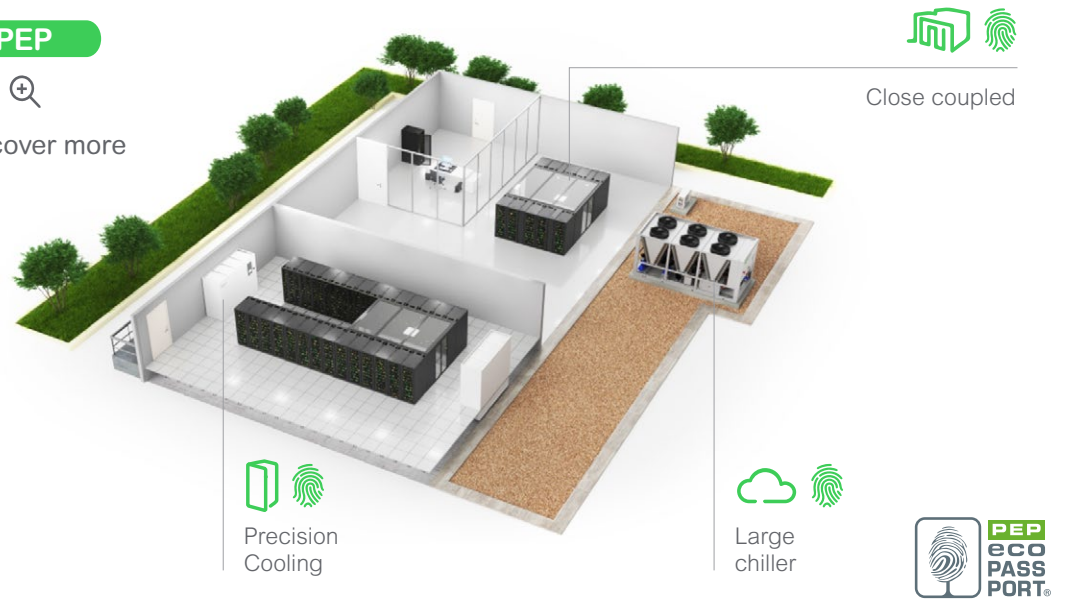
High pressure	R410A	R454B
Toxicity	Lower (A)	Lower (A)
GWP	2088	466
Athmosferic life	17 years	3.6 years

PEP

The most sustainable cooling portfolio

PEP

Discover more



Efficiency

Up to 40% of a data center's energy is used for cooling. That's why efficiency is crucial in data center cooling and precision air conditioning.

Uniflair room air conditioners are designed with the awareness that low energy consumption is the result of an exhaustive analysis, from the choice of components to the constant refinement of design solutions.

Smart airflow management

Discover more

Direct and indirect free-cooling

Discover more

High Temperature design

Benefit

Discover more

Latest generation of technology

- EC fans
- VSD compressors
- On-off multi-refrigerant compressors
- Pressure independent and balancing control valve with integrated flow meter

Reliability

A fundamental requirement for each data center is to guarantee continuous operation. Reliability is achieved thanks to the design and implementation of cooling systems that are intrinsically reliable and incorporate an appropriate level of redundancy. System reliability is based upon several basic considerations, such as a dual source of cooling and electrical power.

Uniflair units ensure reliability also through:

- Monitoring of all components.
- Precise and clear display of any malfunctions or abnormal operating conditions.
- Management of emergency conditions with ability to maintain basic cooling requirements.

360° monitoring

Discover more

Infrastructure management

EcoStruxure™
Innovation At Every Level

Discover more

Witnessing test

Discover more

Continuous cooling availability

Discover more

Flexibility & modularity

A modular design is a data center architecture that consists of standardized and interchangeable components that can be easily deployed, configured, and replaced.

A modular design can enhance data center scalability and flexibility, as it allows to add or remove capacity as needed, without disrupting the existing infrastructure or requiring major renovations. Flexibility and modularity can improve data center efficiency, reliability and security, and enables better monitoring and management of the data center resources.

Easy maintenance

The ease of maintenance of Uniflair units is a fundamental factor in reducing operating costs and avoiding downtime.

Flexibility

Cooling systems that can be implemented over time and that adapts automatically to the load conditions of the room

Tailored solutions

A wide range of Uniflair cooling units is available to address the specific needs of various data center typologies and architectures.
From standard equipment to completely customized solutions, to perfectly fit our customer requirements.

Compact dimensions and easy installation

The high cost of space in high-tech environments, requires precision air conditioning to have the smallest possible footprint and a full-frontal component access to enable units to be installed next to each other or next to other equipment.

Multiple configurations, options & accessories

To meet specific cooling requirements and ensure high efficiency, Uniflair units offer multiple configurations and accessories for optimal airflow control, humidity management, reliable power supply, and intelligent sensors.

Classification

DX Direct expansion

Direct Expansion system means the conditioned air shall be cooled directly using refrigerant gas and heat rejection is achieved by air removing heat via air-cooled condensers or by water circulating through water-cooled condensers.

go to DX Range

CW Chilled Water

Chilled Water precision air conditioner means the conditioned air shall be cooled indirectly using chilled water circulating through chilled water cooling coil. The chilled water is normally obtained from IT chillers.

more info about chiller

go to CW Range

Reading Guide

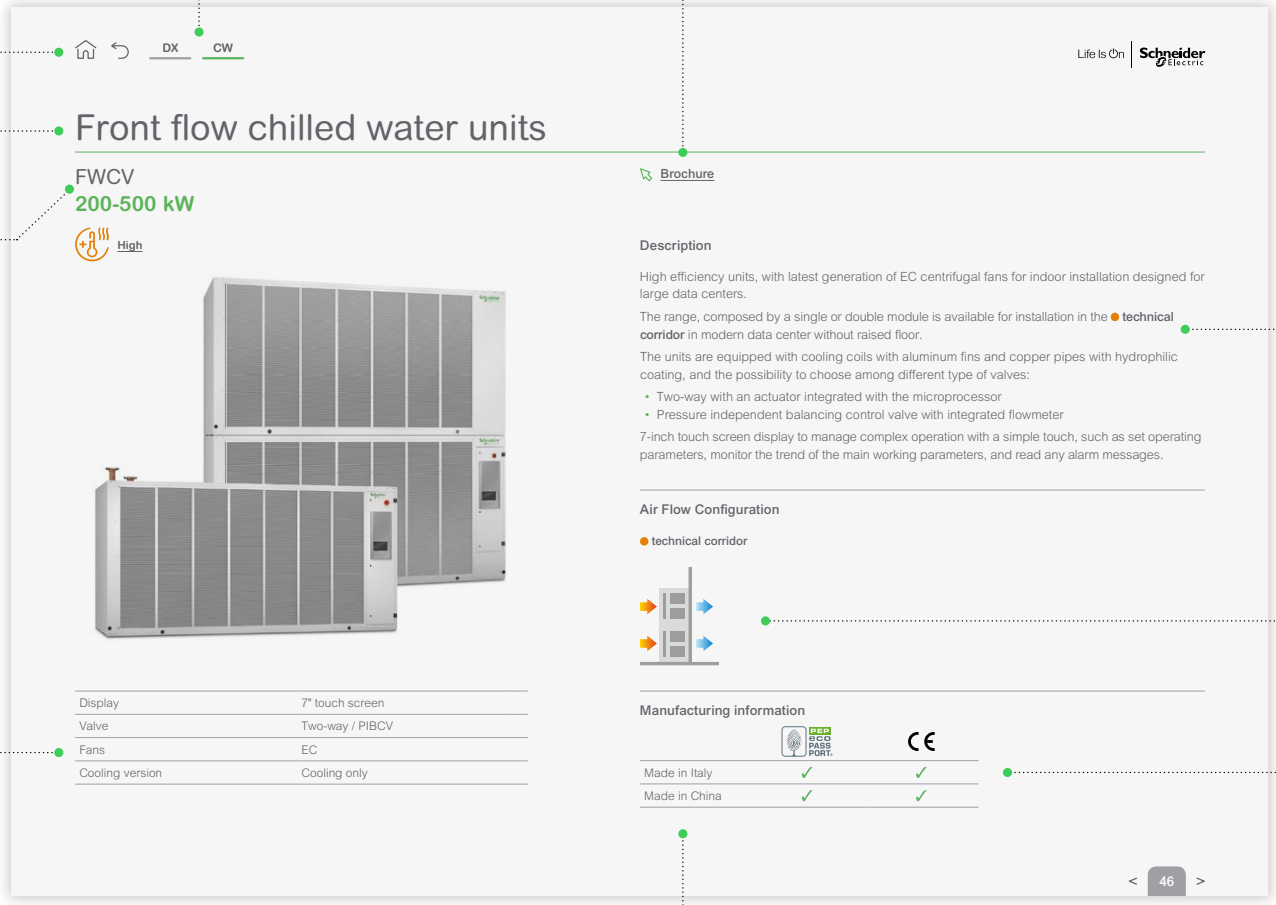
Quick navigation to Series's main pages

Link to download Series brochure

Home Button and Previous View

Version type

Series name



Features

Possible configuration

Technical Data of the Series

Certification information

Manufacturing information

DX Direct expansion

Air-cooled

Water-cooled

Twin cool

Indirect free-cooling

DX Direct expansion

Range overview

Compare features and choose
the model that best suits your needs






Features	S-	T-	L-	L-	I-	I-
Capacity range	5-20 kW	20-100 kW	20-50 kW	50-140 kW	20-50 kW	50-150 kW
Display	4.3” touchscreen	Semigraphic	7” touchscreen	7” touchscreen	7” touchscreen	7” touchscreen
Compressor	Fixed speed	Fixed speed	Fixed speed	Fixed speed	Variable speed	Variable speed
Refrigerant	R410A	R410A	R410A / R454B	R410A	R410A / R454B	R410A
Cooling version						
Air-cooled	go to version	go to version	go to version	go to version	go to version	go to version
Water-cooled		go to version		go to version		go to version
Twin cool		go to version				
Indirect free-cooling		go to version		go to version		go to version

Compressor

ON-OFF VS VSD

ON-OFF Fixed speed compressors

Key benifits

- Multi-refrigerant
- Lower capital cost
- Lower maintenance and repair costs
- Most efficient in applications with a consistent demand
- IDV The IDVs adapt the effort of the motor to the pressure conditions in the system opening when condensing pressure and pressure ratio (part-load) fall below the built-in optimization point of the scroll

VSD Variable speed compressors

Key benifits

- Low power consumption and quiter operations at partial load
- The higher captial cost is offset by the lower energy consumption
- Lower starting current
- Longer life-cycle

Cooling version

Air cooled

Room cooling unit with external remote air-cooled condenser.

go to models

Twin cool

Room cooling units designed for primary operation in chilled water mode and with redundant direct expansion refrigerant circuit (water cooled or air-cooled) to ensure complete cooling redundancy.

go to models

Water cooled

Room cooling unit with brazed plate water condenser inside the indoor unit suitable for operation with dry-cooler or connected to cooling tower.

go to models

Indirect free cooling

Uniflair Indirect Free Cooling units are designed to leverage on free cooling operation, using the mechanical cooling (compressors) only when really required to maintain the temperature set point and to match the cooling demand.

Discover more

go to models

DX Direct expansion

Air-cooled

Air cooled units

SDAV / SUAV
5-20 kW

Brochure

Description

High efficiency compact units, with forward-curved or centrifugal fans for indoor installation designed for small data centers.

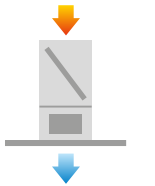
The range, available in ● **downflow** and ● **upflow** configuration, is equipped with a scroll compressor and coupled with an external air-cooled condenser CAP

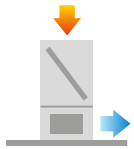
The integrated mainboard monitors and optimizes any operating condition, improving efficiency and guaranteeing reliability. A 4.3-inch display to allow firmware upload and data download and unit operation monitoring.

Display	4.3" touch screen
Compressor	Scroll fixed speed
Fans	EC
Outdoor condenser	CAP
Refrigerant	R410A

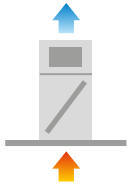
Air Flow Configuration

● downflow





● upflow



Manufacturing information

	PEP eco PASS PORT	CE
Made in Italy	✓	✓
Made in China	✓	✓

Air cooled units

TDAV / TUAV
20-100 kW

Brochure

Description

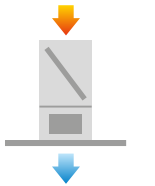
High efficiency compact units, with latest EC centrifugal fans for indoor installation designed for small and medium data centers.

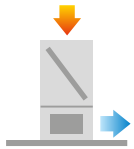
The range, available in ● **downflow** and ● **upflow** configuration, is equipped with scroll compressors and coupled with an external air-cooled condenser CAP

Advanced microprocessor and semi-graphic display to monitor and optimize any operating condition, improving efficiency and guaranteeing reliability.

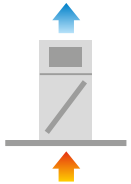
Air Flow Configuration

● downflow





● upflow



Display	Semigraphics Local User Terminal
Compressor	Scroll fixed speed
Fans	EC
Outdoor condenser	CAP
Refrigerant	R410A

Manufacturing information

	PEP ecoPASSPORT	CE
Made in Italy	✓	✓
Made in China	✓	✓

Air cooled units

LDAV / LUAV
20-50 kW

Brochure

Description

High efficiency compact units, with latest generation of EC centrifugal fans for indoor installation designed for small and medium data centers.

The range, available in ● **downflow** and ● **upflow** configuration, is equipped with fixed speed scroll compressors and coupled with an external air-cooled condenser CAT

7-inch touch screen display to manage complex operation with a simple touch, such as set operating parameters, monitor the trend of the main working parameters, and read any alarm messages.

Air Flow Configuration

● downflow ● upflow

Display	7" touch screen
Compressor	Scroll fixed speed
Fans	EC
Outdoor condenser	CAT
Refrigerant	R410A
	R454B

Manufacturing information

	PEP ecoPASSPORT	CE
Made in Italy	✓	✓

Air cooled units

LDAV / LUAV
50-140 kW

Brochure

Description

High efficiency compact units, with latest generation of EC centrifugal fans for indoor installation designed for medium and large data centers.

The range, available in ● **downflow** and ● **upflow** configuration, is equipped with fixed speed scroll compressors and coupled with an external air-cooled condenser OCC

7-inch touch screen display to manage complex operation with a simple touch, such as set operating parameters, monitor the trend of the main working parameters, and read any alarm messages.

Air Flow Configuration

● downflow ● upflow

Display	7" touch screen
Compressor	Scroll fixed speed
Fans	EC
Outdoor condenser	OCC
Refrigerant	R410A
	R454B

Manufacturing information

	PEP ecoPASSPORT	CE
Made in Italy	✓	✓
Made in China	✓	

Air cooled units

IDAV / IUAV
20-50 kW

Brochure

Description

High efficiency compact units, with latest generation of EC centrifugal fans for indoor installation designed for small and medium data centers.

The range, available in ● **downflow** and ● **upflow** configuration, is equipped with brushless variable speed scroll compressors and coupled with an external air-cooled condenser CAT

7-inch touch screen display to manage complex operation with a simple touch, such as set operating parameters, monitor the trend of the main working parameters, and read any alarm messages.

Air Flow Configuration

● downflow ● upflow

Display	7" touch screen
Compressor	Scroll variable speed
Fans	EC
Outdoor condenser	CAT
Refrigerant	R410A
	R454B

Manufacturing information

	PEP eco PASS PORT	CE
Made in Italy	✓	✓
Made in China	✓	✓

Air cooled units

IDAV / IUAV / IXAV

50-150 kW

Brochure

Description

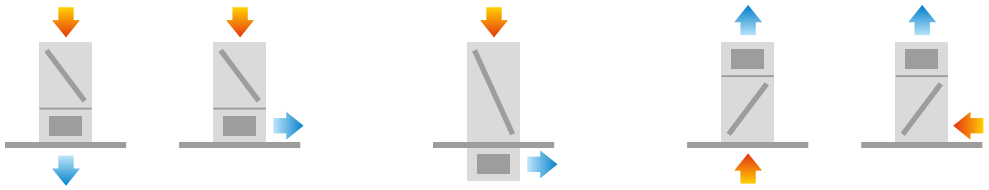
High efficiency compact units, with latest generation of EC centrifugal fans for indoor installation designed for medium and large data centers.

The range, available in ● **downflow**, ● **underfloor** and ● **upflow** configuration, is equipped with brushless variable speed scroll compressors and coupled with an external air-cooled condenser OCC

7-inch touch screen display to manage complex operation with a simple touch, such as set operating parameters, monitor the trend of the main working parameters, and read any alarm messages.

Air Flow Configuration

● downflow ● underfloor ● upflow



Display	7" touch screen
Compressor	Scroll variable speed
Fans	EC
Outdoor condenser	OCC
Refrigerant	R410A
	R454B On request

Manufacturing information

	PEP ecopassport	CE
Made in Italy	✓	✓
Made in China	✓	

DX Direct expansion

Water cooled

Water cooled units

TDWV / TUWV
20-100 kW

Brochure

Description

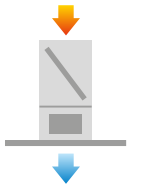
High efficiency compact units, with latest EC centrifugal fans for indoor installation designed for small and medium data centers.

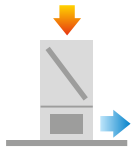
The range, available in ● **downflow** and ● **upflow** configuration, is equipped with a scroll compressor and an internal brazed plate condenser coupled with an external dry-cooler RAL or a cooling tower.

Advanced microprocessor and semi-graphic display to monitor and optimize any operating condition, improving efficiency and guaranteeing reliability.

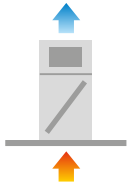
Air Flow Configuration

● downflow





● upflow



Display	Semigraphics Local User Terminal
Compressor	Scroll fixed speed
Fans	EC
Outdoor dry-cooler	RAL
Refrigerant	R410A

Manufacturing information

	PEP eco PASS PORT	CE
Made in Italy	✓	✓
Made in China	✓	

Water cooled units

LDWV

70-140 kW

Brochure

Description

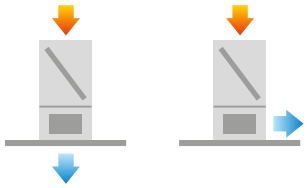
High efficiency compact units, with latest generation of EC centrifugal fans for indoor installation designed for medium and large data centers.

The range, available only in ● **downflow** configuration, is equipped with a scroll compressor and an internal brazed plate condenser coupled with an external dry-cooler RAL or a cooling tower.

7-inch touch screen display to manage complex operation with a simple touch, such as set operating parameters, monitor the trend of the main working parameters, and read any alarm messages.

Air Flow Configuration

● **downflow**



Display	7" touch screen
Compressor	Scroll fixed speed
Fans	EC
Outdoor dry-cooler	RAL
Refrigerant	R410A

Manufacturing information

	PEP ecopassport	CE
Made in Italy	✓	✓
Made in China	✓	

Water cooled units

IDWV / IUWV / IXWV
50-150 kW

Display	7" touch screen
Compressor	Scroll variable speed
Fans	EC
Outdoor dry-cooler	RAL
Refrigerant	R410A

Brochure

Description

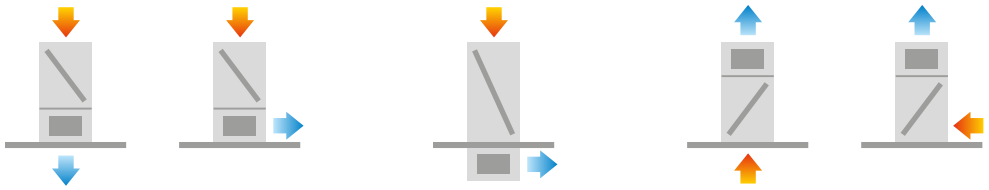
High efficiency compact units, with latest generation of EC centrifugal fans for indoor installation designed for medium and large data centers.

The range, available in ● **downflow**, ● **underfloor** and ● **upflow** configuration, is equipped with a brushless variable speed scroll compressor and an internal brazed plate condenser coupled with an external dry-cooler RAL or a cooling tower.

7-inch touch screen display to manage complex operation with a simple touch, such as set operating parameters, monitor the trend of the main working parameters, and read any alarm messages.

Air Flow Configuration

● downflow ● underfloor ● upflow



Manufacturing information

	PEP ecopassport	CE
Made in Italy	✓	✓
Made in China	✓	

DX Direct expansion

Twin cool

Twin cool units

TDDV / TUDV / TDTV / TUTV
20-100 kW

Brochure TDDV-TUDV Brochure TDTV-TUTV

Description

High efficiency compact units, with latest EC centrifugal fans for indoor installation designed for small and medium data centers.

The range, available in ● **downflow** and ● **upflow** configuration, equipped with scroll compressors can be ordered in 2 different versions:

Air-cooled
Coupled with an external air-cooled condenser CAP

Water-cooled
Equipped with an internal brazed plate condenser and coupled with an external dry-cooler RAL

Advanced microprocessor and semi-graphic display to monitor and optimize any operating condition, improving efficiency and guaranteeing reliability.

Air Flow Configuration

● downflow ● upflow

Display	Semigraphics Local User Terminal
Compressor	Scroll fixed speed
Fans	EC
Outdoor condenser / dry cooler	CAP / RAL
Refrigerant	R410A

Manufacturing information

	PEP eco PASS PORT	CE
Made in Italy	✓	✓
Made in China	✓	

DX Direct expansion

Indirect free cooling

Indirect free cooling

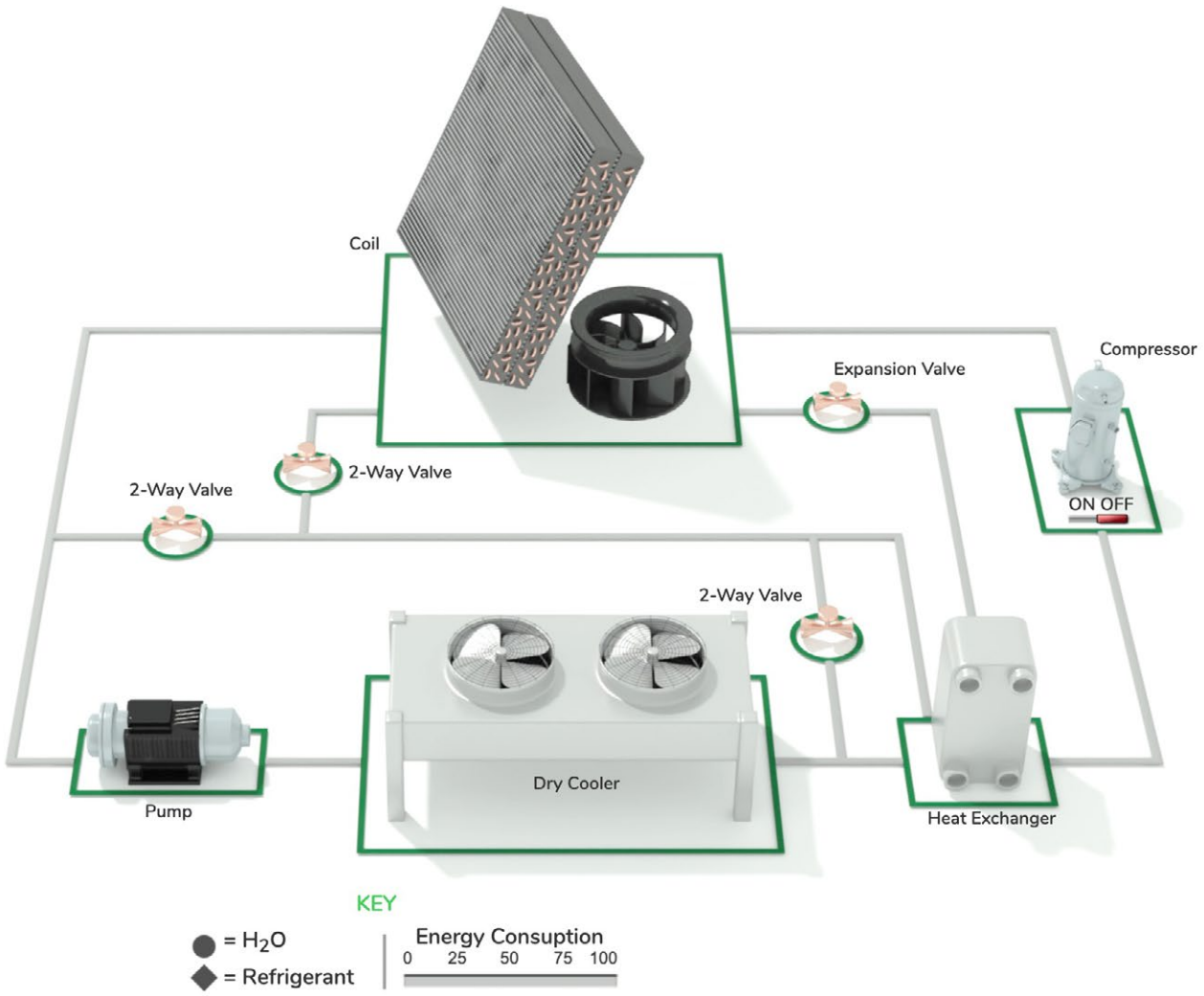
Room cooling units designed for indirect free-cooling operation and equipped with direct expansion water-cooled refrigerant circuit to assist free cooling and to grant 100% cooling backup.

Control Panel

Operation mode

- OFF
- SUMMER
- MID-SEASON
- WINTER

OFF



Watch the video

Use the control panel to see how it works

Indirect free cooling units

TDEV / TUEV
20-100 kW

Brochure

Description

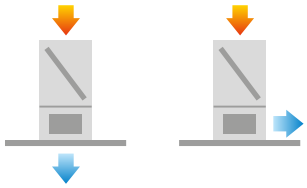
High efficiency compact units, with latest EC centrifugal fans for indoor installation designed for small and medium data centers.

The range, available in ● **downflow** and ● **upflow** configuration, equipped with scroll compressors and an internal brazed plate condenser to be coupled with an external dry-cooler RAL

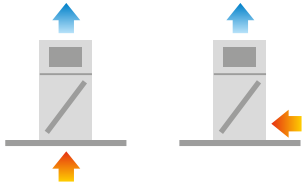
Advanced microprocessor and semi-graphic display to monitor and optimize any operating condition, improving efficiency and guaranteeing reliability.

Air Flow Configuration

● downflow



● upflow



Display	Semigraphics Local User Terminal
Compressor	Scroll fixed speed
Fans	EC
Outdoor dry-cooler	RAL
Refrigerant	R410A

Manufacturing information

	PEP eco PASS PORT	CE
Made in Italy	✓	✓
Made in China	✓	

Indirect free cooling units

LDEV
70-100 kW

Brochure

Description

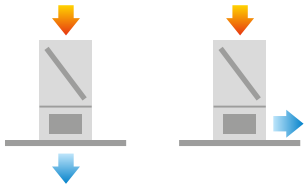
High efficiency compact units, with latest generation of EC centrifugal fans for indoor installation designed for medium and large data centers.

The range, available only in ● **downflow** configuration, is equipped with fixed speed scroll compressors and an internal brazed plate condenser to be coupled with an external dry-cooler RAL or a cooling tower.

7-inch touch screen display to manage complex operation with a simple touch, such as set operating parameters, monitor the trend of the main working parameters, and read any alarm messages.

Air Flow Configuration

● downflow



Display	7" touch screen
Compressor	Scroll fixed speed
Fans	EC
Outdoor condenser	RAL
Refrigerant	R410A

Manufacturing information

	PEP ecoPASSPORT	CE
Made in Italy	✓	✓
Made in China	✓	

Indirect free cooling units

IDEV / IUEV / IXEV

50-150 kW

Display	7" touch screen
Compressor	Scroll variable speed
Fans	EC
Outdoor condenser	RAL
Refrigerant	R410A

Brochure

Description

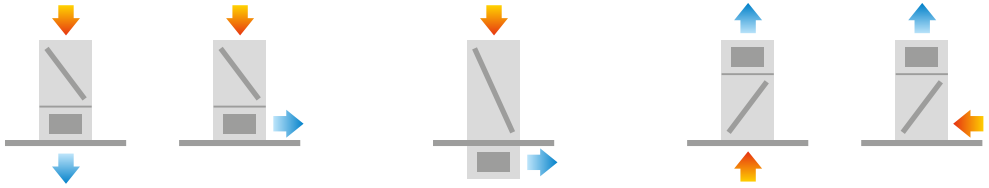
High efficiency compact units, with latest generation of EC centrifugal fans for indoor installation designed for medium and large data centers.

The range, available in ● **downflow**, ● **underfloor** and ● **upflow** configuration, is equipped with brushless variable speed scroll compressors and an internal brazed plate condenser to be coupled with an external dry-cooler RAL or a cooling tower.

7-inch touch screen display to manage complex operation with a simple touch, such as set operating parameters, monitor the trend of the main working parameters, and read any alarm messages.

Air Flow Configuration

● downflow ● underfloor ● upflow



Manufacturing information

	PEP eco PASS PORT	CE
Made in Italy	✓	✓
Made in China	✓	

CW Chilled Water

Floor mounted

Underfloor

Front flow

CW Chilled water

Range overview

Compare features and choose
the model that best suits your needs






Features	S-	L-	HD	HX	FX	FW
Capacity range	5-20 kW	20-170 kW	30-200 kW	130-250 kW	130-250 kW	200-500 kW
Display	4.3” touchscreen	7” touchscreen	7” touchscreen	7” touchscreen	7” touchscreen	7” touchscreen
Design	Low/Med T	Low/Med T High T	Low/Med T High T	High T	High T	High T
Valves	Two-way Three-way	Two-way Three-way PIBCV	Two-way Three-way PIBCV	Two-way PIBCV	Two-way PIBCV	Two-way PIBCV
Configuration						
Floor mounted	go to version	go to version				
Underfloor			go to version	go to version		
Front flow					go to version	go to version

Room Cooling

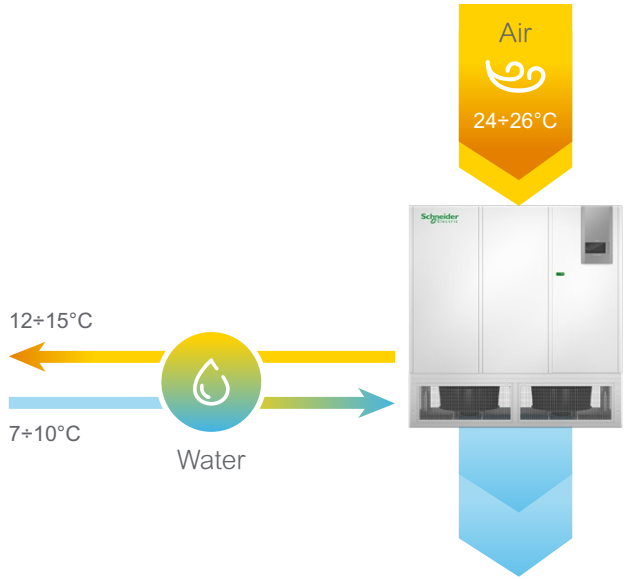
Chilled water / High temperature VS med temperature

Open chart

LOW/MED Temperature

Chilled water-cooling units
with specifical design to operate with:

- low/medium water temperature
- high water flow rates

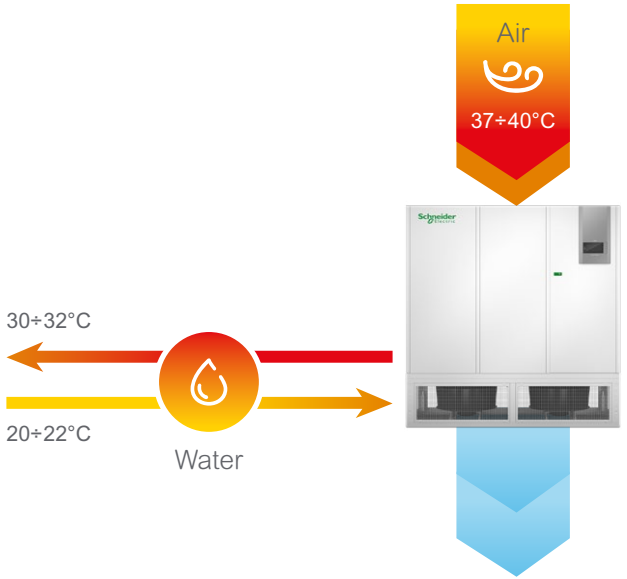


Generally used in traditional Data Centers

HIGH Temperature

Chilled water-cooling units
with specifical design to operate with:

- High water and air temperatures
- 10÷12°C water delta T



The right solution for modern and future Data Centers

Floor mounted chilled water units

SDCV / SUCV

5-20 kW

Low/Med

Brochure

Description

High efficiency compact units, with forward-curved or centrifugal fans for indoor installation designed for mission critical applications.

The range, available in ● **downflow** and ● **upflow** configuration, is equipped with a cooling coil with aluminum fins and copper pipes with hydrophilic coating, and a two-way or three-way valve with an actuator integrated with the microprocessor.

The integrated mainboard monitors and optimizes any operating condition, improving efficiency and guaranteeing reliability. A 4.3-inch display to allow firmware upload and data download and unit operation monitoring.

Display	4.3"
Valve	Two-way / Three-way
Fans	EC
Cooling version	Cooling only
	Cooling and humidification
	Cooling and dehumidification

Air Flow Configuration

● downflow ● upflow

Manufacturing information

	PEP ecopassport	CE
Made in Italy	✓	✓
Made in China	✓	✓

Floor mounted chilled water units

LDCV / LUCV

20-170 kW

Low/Med High

Display	7" touch screen
Valve	Two-way / Three-way / PIBCV
Fans	EC
Cooling version	Cooling only
	Cooling and humidification
	Cooling and dehumidification

Brochure

Description

High efficiency compact units, with latest generation of EC centrifugal fans for indoor installation designed for medium and large data centers.

The range, available in ● **downflow** and ● **upflow** configuration, is equipped with a single or dual cooling coil with aluminum fins and copper pipes with hydrophilic coating, and the possibility to choose among different type of valves:

- Two-way or three-way valve with an actuator integrated with the microprocessor.
- Pressure independent balancing control valve.

7-inch touch screen display to manage complex operation with a simple touch, such as set operating parameters, monitor the trend of the main working parameters, and read any alarm messages.

Air Flow Configuration

● downflow ● upflow

Manufacturing information

	PEP ecopassport	CE
Made in Italy	✓	✓
Made in China	✓	✓

Underfloor chilled water units

HDCV

30-200 kW

Low/Med High

Display	7" touch screen
Valve	Two-way / Three-way / PIBCV
Fans	EC
Cooling version	Cooling only
	Cooling and humidification
	Cooling and dehumidification

Brochure

Description

High efficiency compact units, with latest generation of EC centrifugal fans for indoor installation designed for medium and large data centers.

The range, composed by a cooling coil module and a fan module shipped separately, is available in ● **underfloor** configuration, but with the possibility to be installed ● **directly in the hard floor**.

The units are equipped with a single or dual cooling coil with aluminum fins and copper pipes with hydrophilic coating, and the possibility to choose among different type of valves:

- Two-way or three-way valve with an actuator integrated with the microprocessor
- Pressure independent balancing control valve

7-inch touch screen display to manage complex operation with a simple touch, such as set operating parameters, monitor the trend of the main working parameters, and read any alarm messages.

Air Flow Configuration

● underfloor ● directly in the hard floor

Manufacturing information

	PEP ecopassport	CE
Made in Italy	✓	✓
Made in China	✓	✓

Underfloor chilled water units

HXCV

130-250 kW

High

Brochure

Description

High efficiency compact units, with latest generation of EC centrifugal fans for indoor installation designed for medium and large data centers.

The range, composed by a cooling coil module and a fan module shipped separately, is available in ● **underfloor** configuration, but with the possibility to be installed ● **directly in the hard floor**.

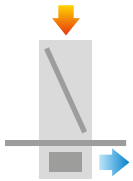
The units are equipped with a single or dual cooling coil with aluminum fins and copper pipes with hydrophilic coating, and the possibility to choose among different type of valves:

- Two-way or three-way valve with an actuator integrated with the microprocessor
- Pressure independent balancing control valve with integrated flowmeter

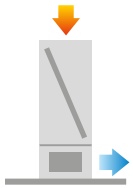
7-inch touch screen display to manage complex operation with a simple touch, such as set operating parameters, monitor the trend of the main working parameters, and read any alarm messages.

Air Flow Configuration

● underfloor



● directly in the hard floor



Display	7" touch screen
Valve	Two-way / Three-way / PIBCV
Fans	EC
Cooling version	Cooling only
	Cooling and humidification
	Cooling and dehumidification

Manufacturing information

	PEP eco PASS PORT	CE
Made in Italy	✓	✓
Made in China	✓	✓

Front flow chilled water units

FXCV

130-250 kW

High

Display	7" touch screen
Valve	Two-way / PIBCV
Fans	EC
Cooling version	Cooling only

Brochure

Description

High efficiency compact units, with latest generation of EC centrifugal fans for indoor installation designed for medium and large data centers.

The range, composed by a cooling coil module and a fan module shipped separately, is available in 2 different versions for installation without raised floor, in the ● **white space** or in the ● **technical corridor.**

The units are equipped with a cooling coil with aluminum fins and copper pipes with hydrophilic coating, and the possibility to choose among different type of valves:

- Two-way with an actuator integrated with the microprocessor
- Pressure independent balancing control valve with integrated flowmeter

7-inch touch screen display to manage complex operation with a simple touch, such as set operating parameters, monitor the trend of the main working parameters, and read any alarm messages.

Air Flow Configuration

● white space ● technical corridor

Manufacturing information

	PEP ecoPASSPORT	CE
Made in Italy	✓	✓
Made in China	✓	✓

Front flow chilled water units

FWCV

200-500 kW

High

Brochure

Description

High efficiency units, with latest generation of EC centrifugal fans for indoor installation designed for large data centers.

The range, composed by a single or double module is available for installation in the ● **technical corridor** in modern data center without raised floor.

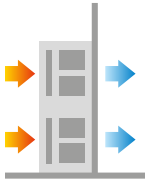
The units are equipped with cooling coils with aluminum fins and copper pipes with hydrophilic coating, and the possibility to choose among different type of valves:

- Two-way with an actuator integrated with the microprocessor
- Pressure independent balancing control valve with integrated flowmeter

7-inch touch screen display to manage complex operation with a simple touch, such as set operating parameters, monitor the trend of the main working parameters, and read any alarm messages.

Air Flow Configuration

● technical corridor



Display	7" touch screen
Valve	Two-way / PIBCV
Fans	EC
Cooling version	Cooling only

Manufacturing information

	PEP eco PASS PORT	CE
Made in Italy	✓	✓
Made in China	✓	✓

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