



**25<sup>th</sup>**  
year

## **Company Overview**





# About Us

# CLIMACS

ACS Klima is one of the leading HVAC Systems manufacturer company;

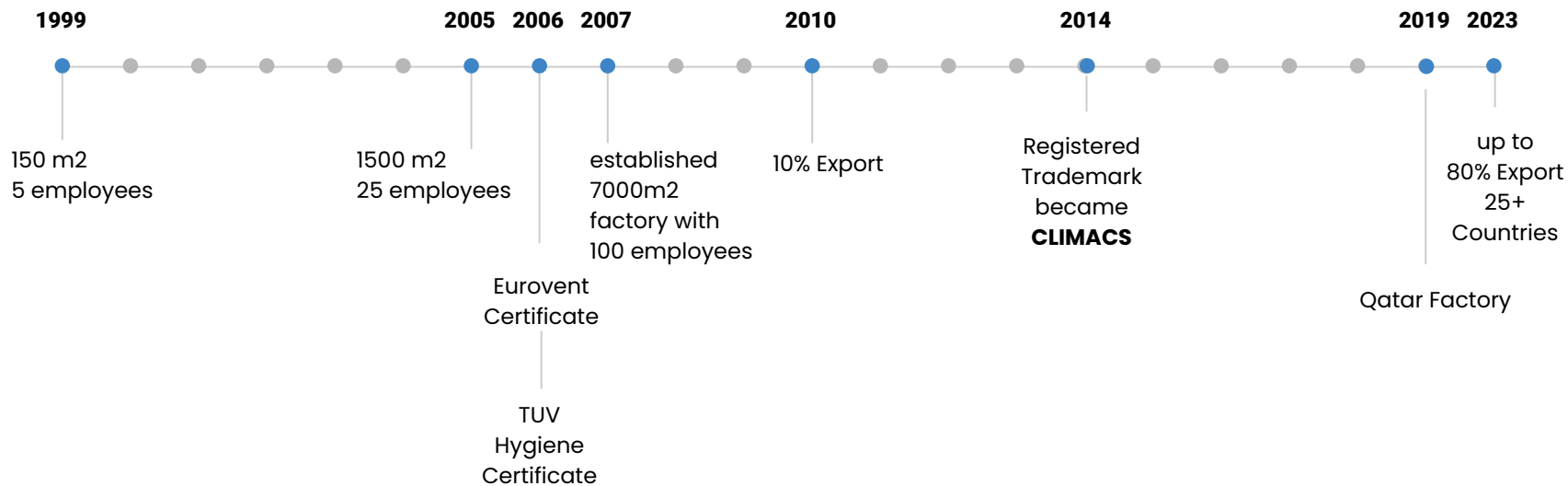
- Founded 1999 in Turkey
- Registered Trademark - **CLIMACS**
- 6000m<sup>2</sup> total covered area in **Turkey**
- 3000m<sup>2</sup> covered area in **Qatar** + 30 employees
- 20 Distributors around the world
- Export to 25+ countries
- 90+ employees





# Milestones

# CLIMACS





# Our Mission

CLIMACS

“

To meet expectations by combining advanced technology with efficiency, *saving energy for future generations* with our *ecologically-safe units*.

”



## Our Vision

CLIMACS

“

To become *pioneers* of *custom made HVAC manufacturer* of the world.

”



## ***Creativity***

Creative design and custom production options.

## ***Sustainability***

Responsible production principle, respecting the environment.

## ***Consistency***

High quality consistent production without compromise.

## ***Innovation***

Innovative research and development team brings out high quality.



# Key Advantages

**CLIMACS**

## ***Custom Made***

Providing custom and special solutions for all HVAC projects.

## ***Quality***

Production according to global and European standards.

## ***Solution Oriented***

Experienced engineers generate solutions to all necessary needs.

## ***After Sale Service***

Full warranty and spare parts with after sale services.



# System Certificates

CLIMACS

*"The integrity of system and service"*

is the exact idea that reflects our philosophy of quality.

 <b>UNICERT</b> ISO 9001	 <b>UNICERT</b> OHSAS 18001	 <b>UNICERT</b> ISO 14001	 <b>UNICERT</b> ISO 10002
<b>ISO 9001</b> <i>Quality Management System Certificate</i>	<b>OHSAS 18001</b> <i>Occupational Health and Safety Management System Certificate</i>	<b>ISO 14001</b> <i>Environmental Management System Certificate</i>	<b>ISO 10002</b> <i>Customer Satisfaction Management System Certificate</i>



# Product Certificates

# CLIMACS



*in progress*





# Distributors

# CLIMACS

## *Europe*

Serbia, Romania, Ukraine,  
Malta, Albania, Cyprus

## *Middle East*

UAE, Qatar, Kuwait, Egypt  
Iraq, Iran, Israel

## *Asia*

Russia, Pakistan

## *North Africa & Africa*

Libya, Tunisia, Morocco,  
Ethiopia





# Product Range

# CLIMACS

- Air Handling Unit
- Fresh Air Handling Unit
- AHU with rotary wheel & plate HRU
- Hygienic AHU
- Packaged Type Hygienic AHU
- Pool Dehumidifying Unit
- Pool Heat Pump
- Rooftop Package Unit
- Condensing Units
- FCU – Fan Coil Units
- HRU – Heat Recovery Unit
- ERV – Energy Recovery Unit
- Ecology Units
- Exhaust Fans
- MARINACS–Marine Air Conditioning





# Seminar & Exhibitions



**ASHRAE Seminar, 2018**  
*Doha, Qatar*



**HVAC Workshop, Qatar**  
*North Atlantic University*



**HVAC Seminar, Cyprus**  
*Cyprus International University*

ASHRAE Seminar  
2018, Qatar





# Seminar & Exhibitions



## **MCE Exhibition**

*Milan, Italy*



## **ISH Exhibition**

*Frankfurt, Germany*



## **Chillventa (2024)**

*Nürnberg, Germany*





# Seminar & Exhibitions



**Aquatherm Exhibition**  
*Tashkent, Uzbekistan*



**HVAC Convention**  
*Bucharest, Romania*



**SODEX**  
*Istanbul, Turkiye*





# Seminar & Exhibitions

**38+**  
exhibition

NAME OF THE EXHIBITION	DATE OF PARTICIPATION
SODEX - İSTANBUL	2000-2002-2004-2006-2008-2010-2012-2014-2016
SODEX - ANTALYA	2001-2003-2005-2007-2009
TESCON - İZMİR	2013
ISH - İSTANBUL	2009
KIEV	2009
MOSCOW	2010
ISH TEHRAN	2015-2016
TURKMENISTAN	2016
AZERBAIJAN	2016
ALGERIA	2016
ISH FRANKFURT	2017-2019-2023
ROMANIA	2015-2016-2023
MCE MILANO	2016-2018-2022-2024
ISRAEL	PARTICIPATION OF A DISTRIBUTOR
TUNISIA	PARTICIPATION OF A DISTRIBUTOR
SAUDI ARABIA	PARTICIPATION OF A DISTRIBUTOR
UZBEKISTAN	2023



# Awards

# CLIMACS



Advanced Technology, Awarded Performance

## International Stevie Awards

With 3 awards, we took our place among the 2023 winners of the Stevie MENA Awards, which is considered the Oscar of the business world



• EXCELLENCE IN  
INNOVATION IN  
MANUFACTURING  
INDUSTRIES



MOST VALUABLE PRODUCT  
INNOVATION IN CUSTOMER  
SERVICE MANAGEMENT,  
PLANNING & PRACTICE

watch on [youtube](#)



# Educations

CLIMACS

- Reading Tech. Drawings
- Electric & Gas Metal Arc Welding
- AHU Assembling
- Panel Assembling
- Sheet Blanking, Bending & Sheet Works
- Profile Blanking
- Electric Works
- Start-up & Commissioning
- Disassembly / Assembly
- Working & Behaviour on Site
- Quality System
- Occupational Safety
- First Aid System

***All trainings are periodically planned by experts***





# References

**CLIMACS**

# 400+ Hospitals



**Targoviste Hospital**

*Romania*



**Shifa Hospital**

*Pakistan*



**Mediclinic Al Ain Hospital**

*Dubai*



# References

**CLIMACS**

# 400+ Hospitals



**Kurmitola Hospital**

*Bangladesh*



**Erbil International Hospital**

*Iraq*



**Pucioasa Hospital**

*Romania*



## References

CLIMACS

# 400+ Hospitals



**Balıkesir State Hospital**

*1100 beds, Turkey*



**Konya Meram Hospital**

*900 beds, Turkey*



**Samsun State Hospital**

*900 beds, Turkey*



## References

CLIMACS

# 400+ Hospitals



**Adiyaman State Hospital**

*400 beds, Turkey*



**Van 100. Yıl State Hospital**

*400 beds, Turkey*



**Tuzla State Hospital**

*400 beds, Turkey*



# References

**CLIMACS**

# 350+ Hotels

*Luxury Hotels*



**River Hotel**

Georgia



**Hala Hotel**

Qatar



**Lord's Palace Hotel**

Cyprus



# References

**CLIMACS**

**350+ Hotels**

*Luxury Hotels*



**Rixos Grand Ankara**

Ankara, Turkey



**Cratos Premium Hotel**

Cyprus



**Ramada Plaza Hotel**

Antalya, Turkey



# References

**CLIMACS**

# 350+ Hotels

*Luxury Hotels*



**Cornelia Diamond**

Antalya, Turkey



**Salamis Hotel**

Cyprus, Turkey



**Royal Holiday Hotel**

Antalya, Turkey



## 200+ University & Government Buildings



**Politechnica University** Romania



**MCAST-College of Arts** Malta



**Lusail Surgi Art Center** Qatar



**Bahcesehir University** Cyprus



**Cazarma Borcea** Romania



**Pioneer Camp** Qatar



## 200+ University & Government Buildings



AFAD Ankara Gov.



Giresun Stadium Complex



Ufuk University- Ankara



TUIK-Ankara Gov.



Hatay EXPO



EPDK-Ankara Gov.



## 200+ University & Government Buildings



Kırklareli University-Turkiye



Ufuk University- Turkiye



Karabük University- Turkiye



Alaaddin Keykubat University- Turkiye



## Some of Pharmaceutical Projects



**GlaxoSmithKline**

Pakistan



**Belmedpreparaty Pharma**

Belarus



**Alexandria Pharma**

Egypt



## Some of Pharmaceutical Projects



**KZP Pharma**  
Iran



**Sterilizzazione Macedo**  
Macedonia



**Pharmadox Phase 1 and 2**  
Malta



## Commercial Projects



**Talabat** Sharjah-UAE



**Starbucks** Dubai-UAE



**Focsani Cinema** Romania



**Talabat Kitchen** Dubai-UAE



**Bucharest Hypodrome**  
Romania



**Theatre Building** Germany

# CLIMACS

## PRODUCTS OVERVIEW



# Air Handling Unit

**CLIMACS**



Fresh AHU

Hygienic AHU

Packaged Hygienic AHU

AHU with Heat Recovery

Pool Dehumidifier





# Air Handling Unit

**CLIMACS**



## ***Capacity***

Range from 1000m<sup>3</sup>/h to 100000m<sup>3</sup>/h

## ***Flexible Design***

Custom manufacturing even for the most complex projects.

## ***Low Energy Cost***

Increase energy saving and lower the costs with high performance.

## ***Efficient Operation***

Efficient and stable performance in all climate conditions.



# Air Handling Unit

Selecting and Designing Air Handling Unit with  
Selection Software approved by Eurovent  
Certification



Compliant with The Eco-Design Directive ErP  
2016 & 2018

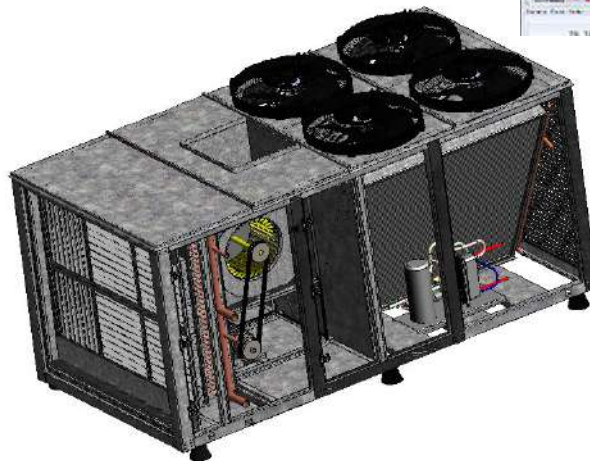
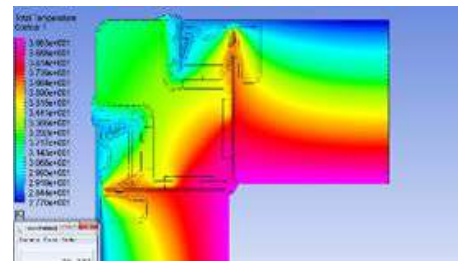
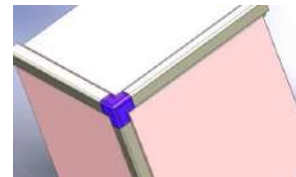
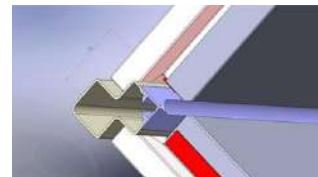




# AHU Structure Features

CLIMACS

- **Eurovent certified** 50 mm panel thickness
- Rockwool & Polyurethane insulation options
- **1080 hours Salt Spray Test** by 3rd party test company
- Corrosion protection painting option for marine applications
- ANSYS fluent software for analysing;
  - Mechanical test
  - Thermal bridging test
  - Thermal transmittance test
- Patented K Profile design
- Casing with thermal break profile





# AHU Fan Features

CLIMACS



Direct Drive Plug Fan with AC or EC application  
e.g. LEED, green building concepts.



Belt Drive Radial Fan

## Wide Range of Air Flow & Pressure

- 100 Pa – 2000 Pa
- 1000 m<sup>3</sup>/h – 100000 m<sup>3</sup>/h

ebmpapst

NICOTRA Gebhardt



# AHU Coil Features

**CLIMACS**

- Hot /Cold Water, Steam, DX types
- Copper Tube - Aluminum fins
- Copper Tube - Copper Fins
- Epoxy Coated Fin option
- Blygold & Heresite coating options





# AHU Heat Recovery Features

CLIMACS



## Cross Flow Heat Exchanger

- Aluminum plate type
- Efficiency up to 65% for a single pass
- Efficiency 85% for two-stage arrangements



## Counter Flow Heat Exchanger

- Aluminum plate type
- High efficiency up to 90%
- Compact design



# AHU Heat Recovery Features

**CLIMACS**



## **Rotary Type Heat Exchanger**

- Condensation, enthalpy or sorption rotor
- Efficiencies are up to 90%



## **Horseshoe & Heat Pipe Type**



# AHU Filter Features

**CLIMACS**



**Bag Filter**



**Compact Filter**



**HEPA Filter**



**Carbon Cartridge Filter**





# Fresh Air Handling Unit

CLIMACS

## Features

- %100 Fresh Air
- Heat Recovery Option for energy saving
- Hot / Cold Water, % 100 Fresh Air **DX Coil** applications
- Customized working logic acc. to project requirements with PLC Software **ACSMART**





# Hygienic AHU

CLIMACS

## Features

- 50 mm rockwool insulation
- Hygienic requirements for DIN 1946-4 & VDI 6022
- TÜV SÜD Hygiene Certificate
- Eurovent Certificate
- Stainless steel inner sheet and drain pan
- Direct Drive Plug Fans
- Smooth inner surface





# Packaged Hygienic AHU

CLIMACS

## Features

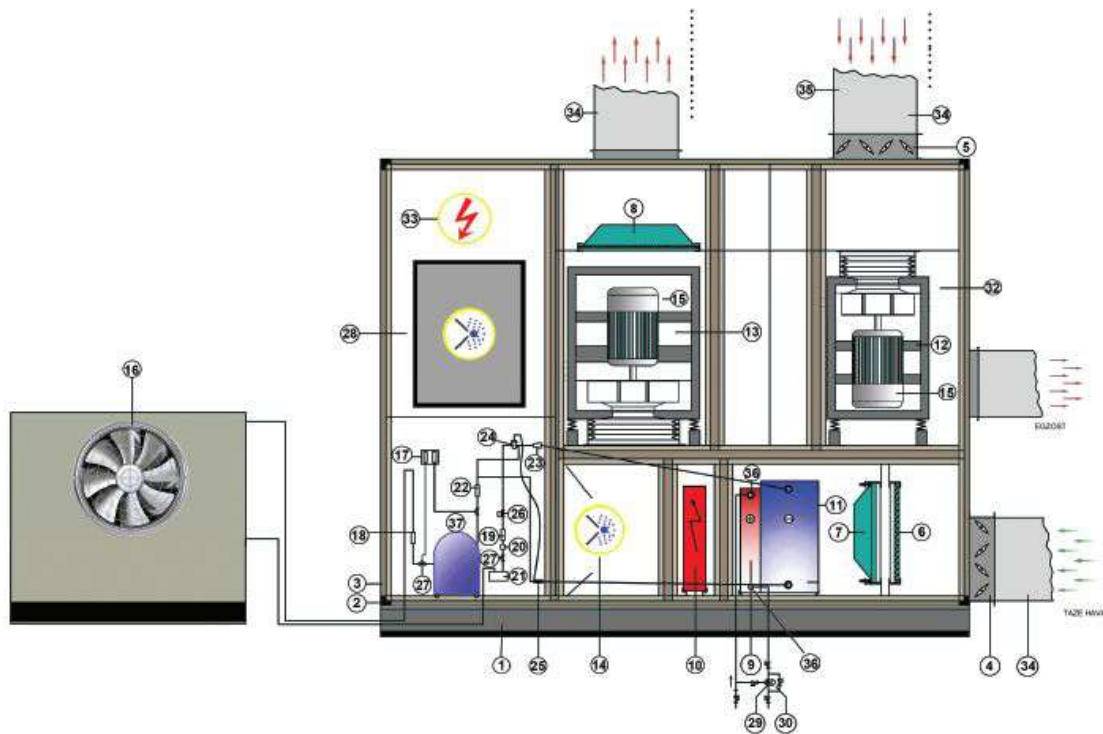
- Compact design
- 50 mm rockwool insulation
- Hygienic requirements for DIN 1946-4 & VDI 6022
- TÜV SÜD Hygiene Certificate
- Eurovent Certificate
- Stainless steel inner sheet and drain pan
- Direct Drive Plug Fans
- Smooth inner surface
- Well-adapted Hygienic AHU with Automatic Control and Condensing Unit
- Custom made working logic with PLC Software (ACSMART) as per indoor requirements.





# Package Hygienic Diagram

# CLIMACS



1. Base Stand
2. Edge Bracket
3. Framework
4. Fresh Air Damper
5. Exhaust Damper
6. G4 Filter
7. F7 Filter
8. F9 Filter
9. Heating Exchanger
10. Electric Heater
11. Evaporator
12. Supply Fan
13. Return Fan
14. Steam Humidifier Compartment
15. Electric Motor
16. Condenser
17. Low/High Pressure Indicator
18. Vibration Absorber
19. Dryer
20. Refrigerant Sight Glass
21. Receiver
22. Vibration Absorber
23. Distributor
24. Thermostatic Expansion Valve
25. Thermostatic Expansion Valve Bulb
26. Solenoid Valve
27. Servicing Valve
28. Steam Humidifying Unit
29. Way Valve
30. Way Valve Motor
31. Differential Pressure Switch (Filter Pollution)
32. Differential Pressure Switch (Belt Rupture)
33. Power and Automation Board
34. Duct Type Temperature Sensor
35. Humidity Sensor
36. Dip Type Temperature Sensor
37. Compressor



# Pool Dehumidifying Unit

# CLIMACS

## Features

Pool Dehumidifying Units provide comfortable and healthy temperature and humidity at swimming pool area for people and contribute the service life of buildings.

***Controlling and monitoring possibility by Touch screen panel placed inside swimming pool .***

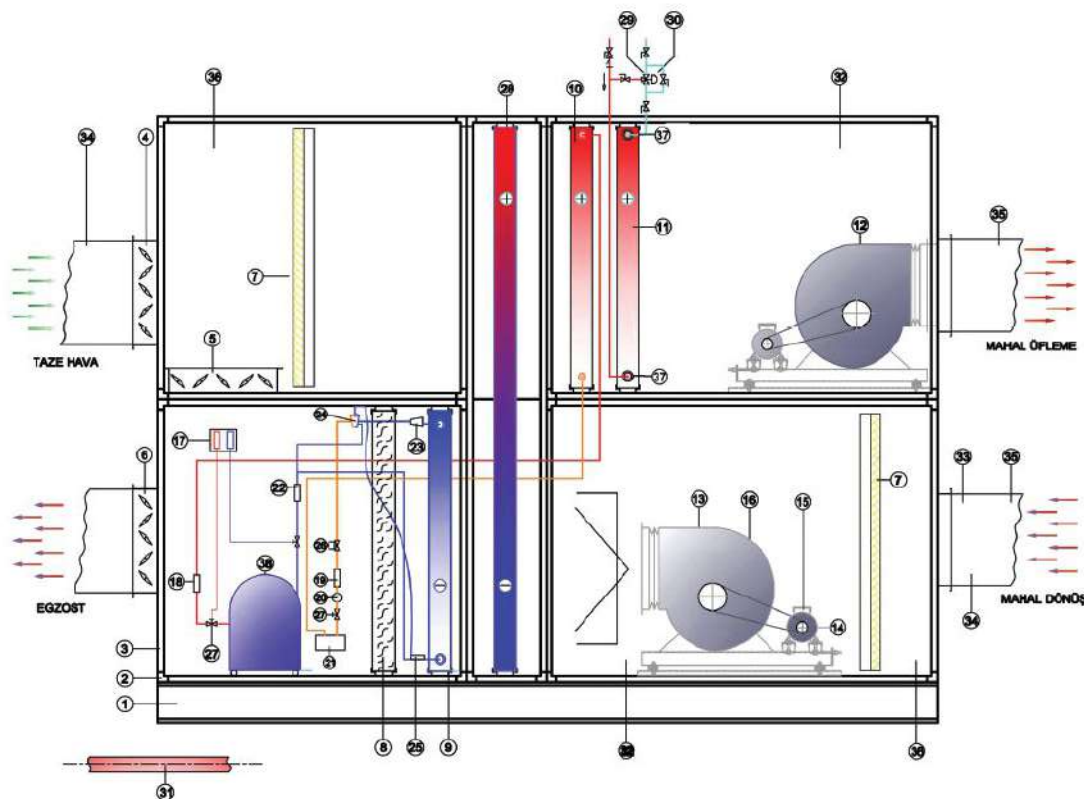
***Energy saving with ACSmart Software***





# Pool Dehumidifying Diagram

# CLIMACS



1. Base
2. Corner Piece
3. Framework
4. Fresh Air Damper
5. Mixing Damper
6. Exhaust Air Damper
7. G4 Filter
8. Drop Eliminator
9. Evaporator Coil
10. Condenser Coil
11. Heating Coil
12. Supply Fan
13. Exhaust Fan
14. Pulley
15. Electric Motor
16. Belt
17. Low/High Pressure Switch
18. Vibration Isolator
19. Drier
20. Sightglass
21. Receiver
22. Vibration Isolator
23. Distributor
24. Thermostatic Expansion Valve
25. Thermostatic Expansion Valve Bulb
26. Solenoid Valve
27. Expansion Valve
28. Heat Pipe
29. Three-way Valve
30. Three-way Valve Actuator
31. Return Water Temperature Immersion Sensor
32. Air Flow Pressure Switch (Broken Fan Belt)
33. Air Quality Sensor
34. Humidity Sensor
35. Duct Type Temperature Sensor
36. Dirt Filter Pressure Switch
37. Temperature Immersion Sensor
38. Compressor



# Pool Heat Pump

AIR TO WATER

CLIMACS

## Features

- Custom-made production with a single device and high capacities up to 500 kw
- Energy efficient and environmentally friendly
- Pool Heating
- Hybrid working principle
- Not affected by outside weather conditions
- Fast Response Time and Silent Operation
- Uninterrupted Power
- High COP
- Low energy cost and space saving





# Package Rooftop Unit

CLIMACS



ACS PRODUCTION OVERVIEW



NICOTRA | Gebhardt



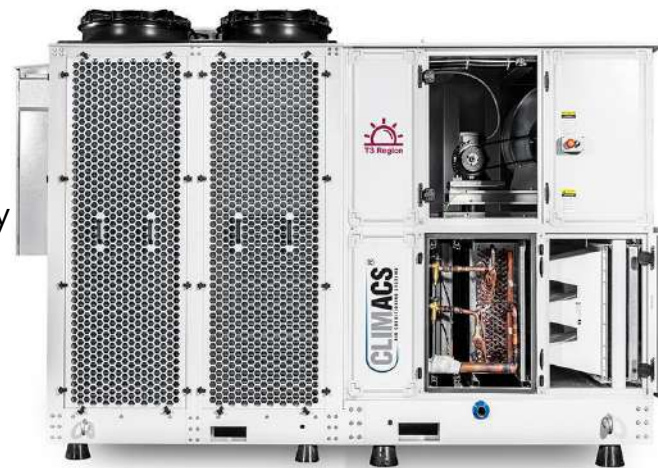


# Package Rooftop Unit

# CLIMACS

## Features

- Available 15 models
- Designed for 46 °C - 8 kw (2,3 TR) - 500 kw (142 TR) cooling capacity
- Designed to operate in a wide range 5 °C - 56 °C
- Eurovent Certified Casing for Evaporator side
- 50 mm panel thickness rockwool
- Custom made manufacturing possibility
- High-efficiency scroll compressors
- Independent (single) refrigeration circuits
- R-410A, R-407C refrigerant





# Condensing Unit

CLIMACS

## Features

Follows the same features with rooftop working as the stand alone unit with AHUs

- High-efficiency scroll compressors
- Independent refrigeration circuits
- 8 - 500 kw cooling capacity
- R-410A, R-407C refrigerant
- Designed to operate in a wide range 5 °C - 56 °C





# HRU Heat Recovery Unit

CLIMACS

## Features

Heat recovery units are preferred for energy saving at locations where need fresh air

Ceiling mounted fresh air unit with:

- High-Efficient plate type heat exchanger
- Direct drive AC or EC fan options
- 3 step fan speed control
- Electric Heater can be provided





# Energy Recovery Unit

CLIMACS

## Features

Energy recovery ventilation (ERV) is the energy recovery process in residential and commercial HVAC systems that exchanges the energy contained in exhausted air of a building or conditioned space, using it to treat the incoming outdoor ventilation air.

- High-Efficient plate type heat exchanger
- Improved indoor air quality
- Direct drive AC or EC fan options
- High-efficiency & silence scroll compressors





### Features

- G2 Stainless Steel Oil (Grease) Trap Filter
- Odour and smoke removal system
- Activated carbon type cartridge filter
- Suitable for Kitchen exhaust and laboratory exhaust
- Suitable for indoor or outdoor installation
- Optional HEPA Filter Module
- Optional electrostatic filter
- Environmental friendly filtration exhaust system





# Exhaust Fans

CLIMACS

## Features

The unit can be designed with low or high suction/blowing capacity depends on the need.

## Optional Filter types;

- Class G-4 pre-filter for dust
- Metal filter for oil & dust
- Carbon filter for odour





# Fan Coils

CLIMACS

## Features

- Produced in two different series each composed of 8 different sizes as 2-pipe & 4-pipe.
  - Silent & High efficient fans
  - EU-2 pre filter
- 
- Wide usage range (commercial, residential and public facilities)
  - Designed to meet the air conditioning requirement
  - Suitable for concealing to ceiling and connecting to duct.
  - Easy installation and maintenance

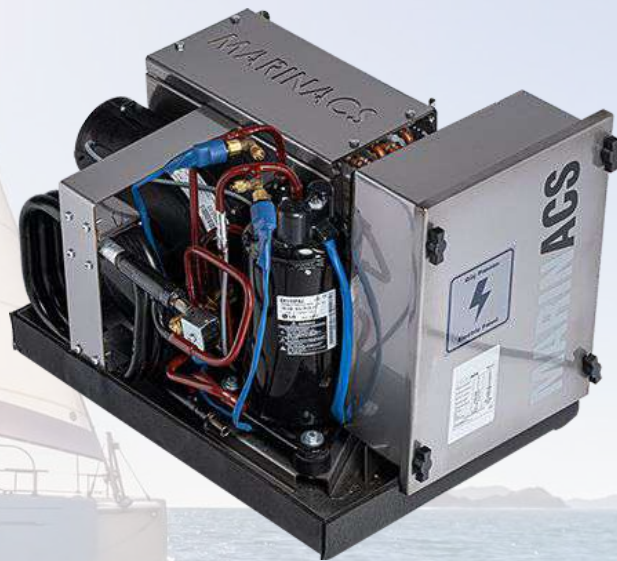




# MARINACS

- Air conditioning systems for use on boats & yachts
- Maintaining comfort and livability onboard
- Engineered to meet the challenging cooling demands of maritime environments
- Compact design to allow installation in tight spaces
- Water cooled \ Sea water usage from the boat's plumbing system to cool the refrigerant.
- Energy-saving features to minimize power consumption
- Integrated control systems for adjusting settings and monitoring performance
- Vibration resistance
- Corrosion resistance
- Durable construction for exposure to saltwater, UV radiation and other elements

## MARINE AIR CONDITIONING





# ACSmart

ACSMART is an automation system managing HVAC system according to the information received from sensors with high precision.

MCC and DDC displays in compliance with CE and IEC norms

- Easy connection and application
- High precision
- Compliance with standards
- Compliance and continuity
- Brand reliability
- Technical support
- Optional Protection classes
- User and environment friendly
- Flexibility

# CLIMACS



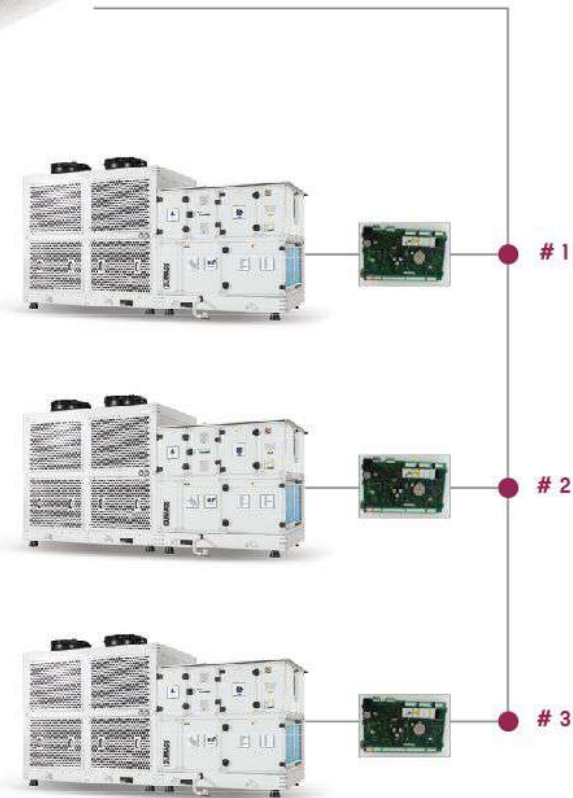


# Automation Features

# CLIMACS



- Multiple units can be connected to BOSS device supervisory control
- Web interface can be accessed by smartphone, tablet, pc
- Easy connection to BMS with modbus, can be converted to Bacnet , KNX etc.





# Test Room

- **Performance test** like air flow, heating, cooling capacity with current ambient temperature at Test Room.
- **L1 classified air leakage test** device according to Eurovent Standards
- **Electrical safety test**
- **Visual inspection, mechanical check, run test**
- Remotely connecting possibility for clients to observe the display during the FAT Procedure.
- Approval of the units



## CLIMACS





## After Sale Services, Warranty & Spare Parts

**2**

**years  
warranty**

**10**

**years  
spare parts**

**7/24**

**Technical Support**



# Contact

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**25<sup>th</sup>**  
**year**