2026/2027

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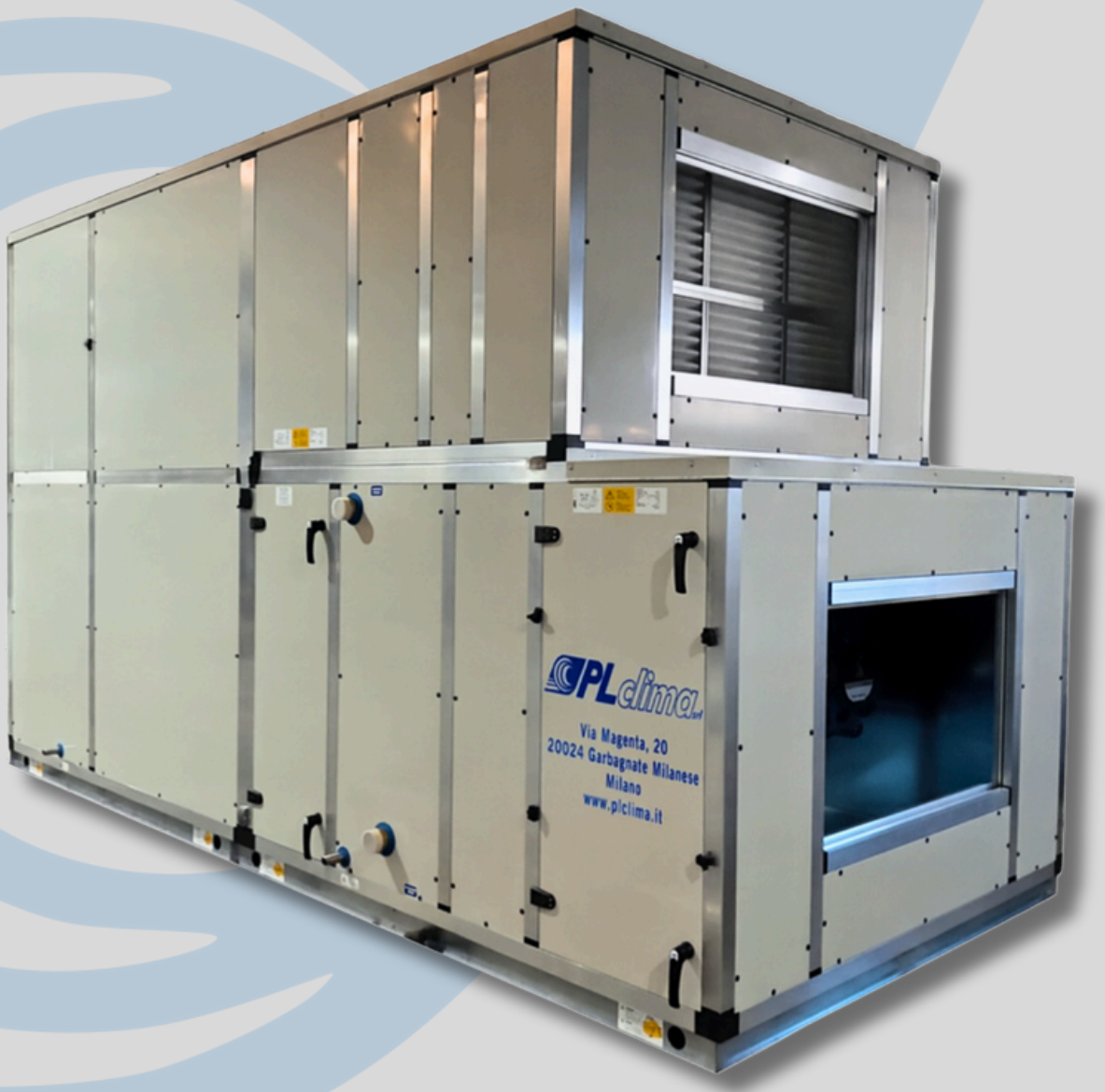
AIR HANDLING SOLUTIONS

# TMC Series

Air Handling Units

have nominal air flow rates ranging from 1.000 to 100.000 m³/h.




The TMC series air handling units represent a comprehensive and industrialized solution, offering a unified system for the year-round air conditioning of various applications aimed at managing thermo-hygrometric comfort and air quality

ISO 9001 BUREAU VERITAS Certification

ACCREDIA

ErP READY

www.plclima.it

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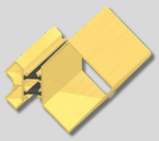
# COMPONENT CHARACTERISTICS

## Profile

- Single wall
- Double wall
- Thermal break
- Anodized
- Rounded
- Sanitisable

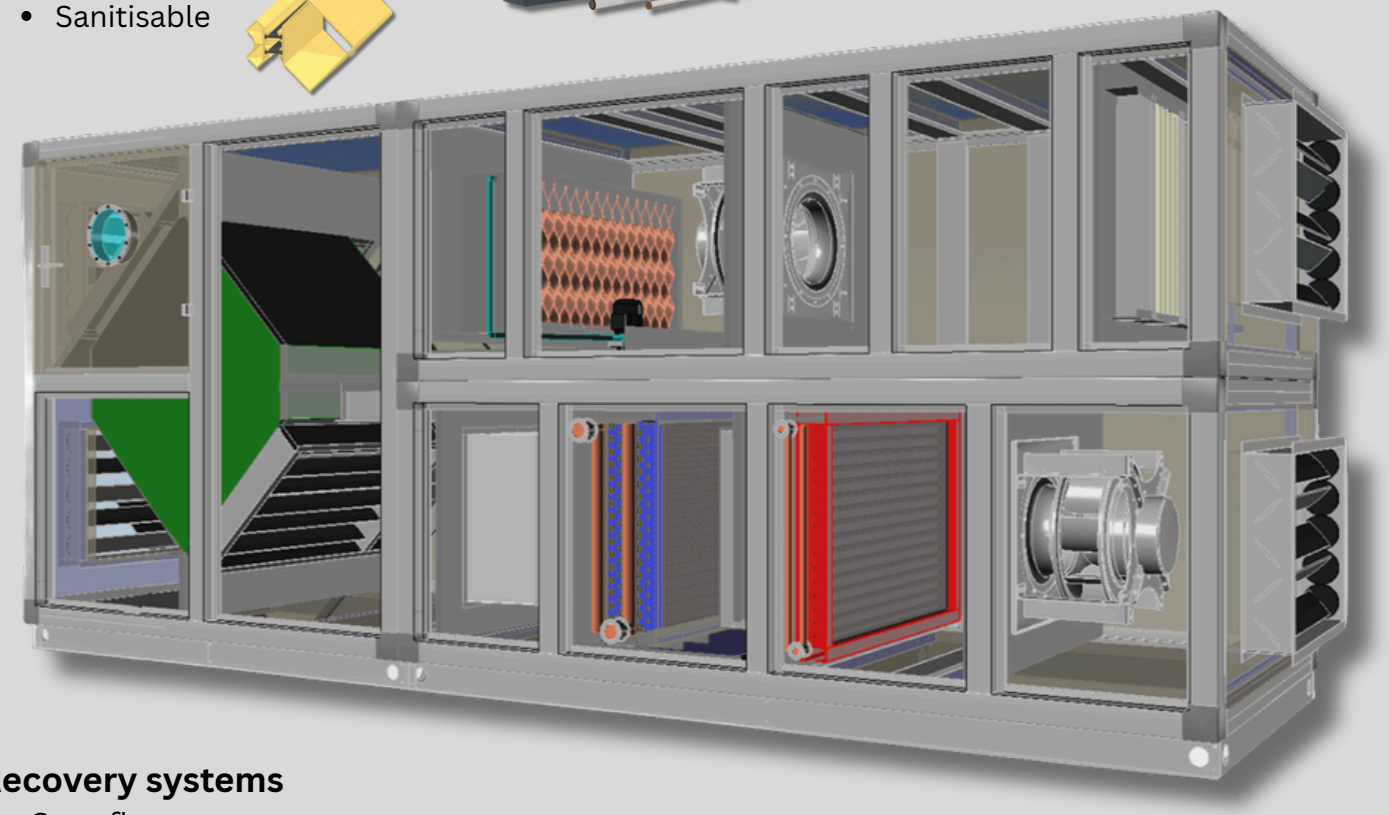


## Humidification

- Adiabatic evaporative pad
- Isotherm with immersed electrode
- High pressure

## Filters

A comprehensive array of filters engineered to guarantee optimal efficiency and air quality, spanning from cell to pocket models.



## Recovery systems

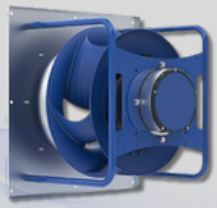
- Crossflows
- Rotary
- Closed-circuit hydronic batteries

## Air treatment coils

- Hydronic
- Gas
- Electric

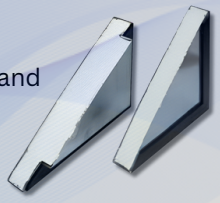
## Fans

- Plugfan EC brushless
- Plugfan AC
- Double suction



## Sandwich panels

- Thicknesses: 25 mm, 42 mm, 45 mm, and 62 mm
- Materials: galvanized steel, pre-painted aluminum, stainless steel and Aluzinc
- Insulation: polyurethane foam or mineral wool
- Thermal cutting



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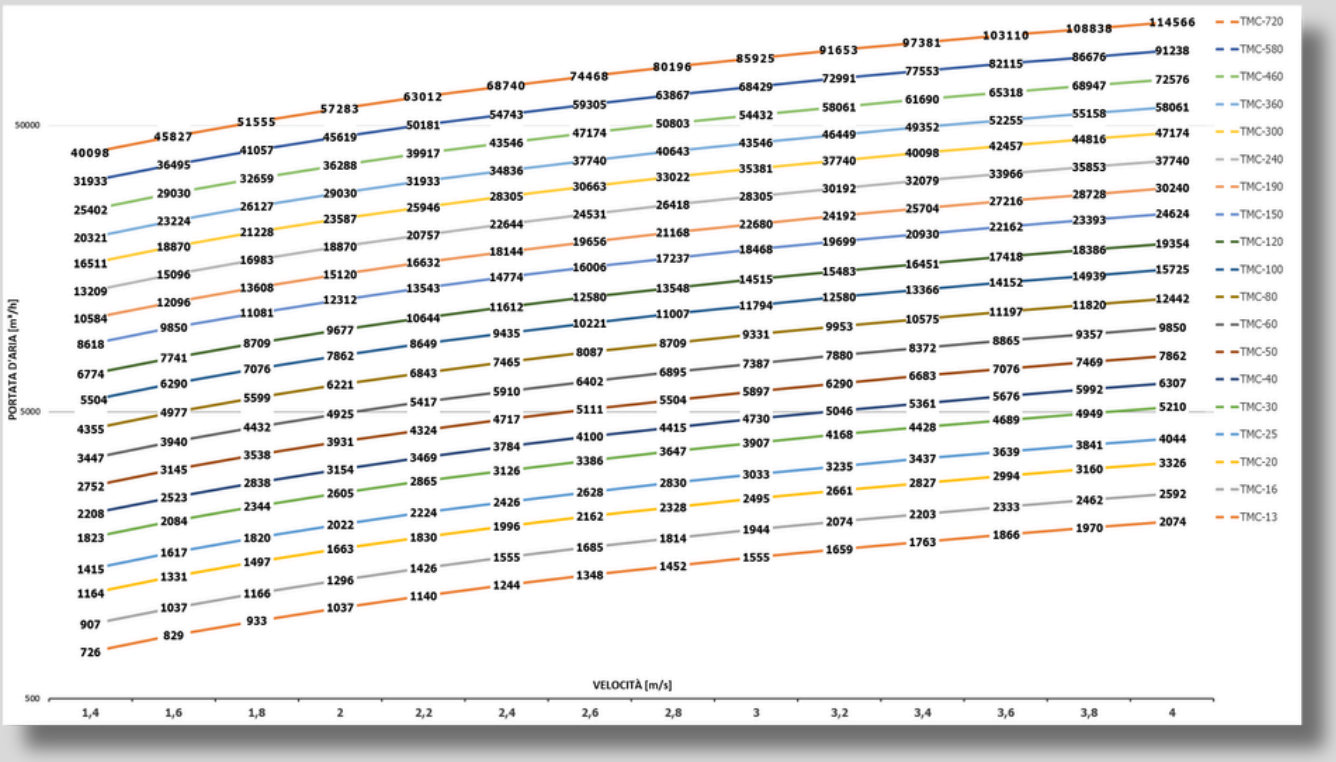
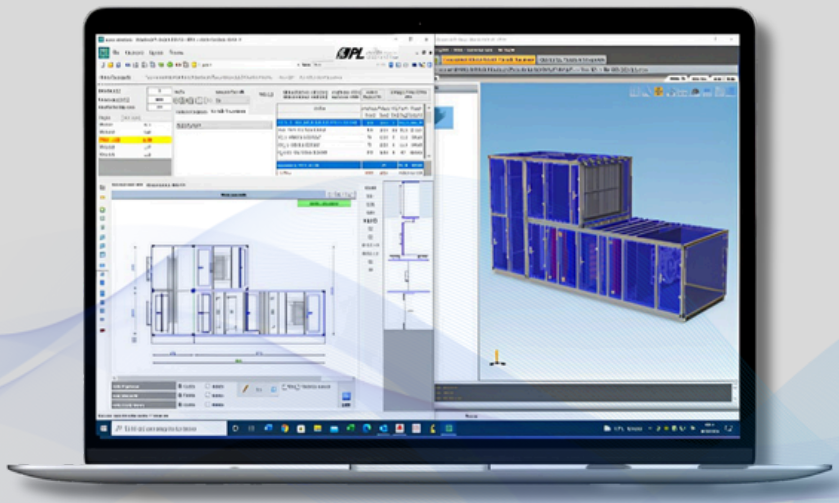
# PERFORMANCE

In addition to the 19 standardized models, we manufacture units tailored to accommodate any airflow requirement.
From compact ventilation systems to extensive industrial setups, each model ensures efficiency, reliability, and consistent performance.




## Selection software

Our software enables the creation of tailored offers that meet the diverse technical requirements of designers across various applications.
We ensure optimal flexibility in the selection and sizing of AHUs, accompanied by prompt and dependable calculations.
The output comprises comprehensive technical data sheets, performance metrics, and precise, professional estimates, prepared for dissemination to the end customer and integration into projects.



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# COMMAND, CONTROL AND REGULATION SYSTEMS

Upon request, the air handling units may be fitted with an electrical panel featuring integrated regulation, sensors, and field instruments for the management of the AHU.

The programmable logic controller (PLC) installed on the machine can be:

- Parametric, featuring easily configurable default settings.
- Freely programmable, to accommodate intricate and tailored requirements.

For power management, we offer a specialized IP 65 electrical panel that guarantees safe and dependable control of all AHU components.

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# OUR ACCOMPLISHMENTS

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# COMPLIANCE AND CERTIFICATIONS

Our machines are designed and produced in complete accordance with European regulations that ensure safety, efficiency, and sustainability:

Bureau Veritas Certification

PL CLIMA S.R.L.

Via Augusto Anfossi 36 - 20135 Milano (MI) - Italy
Sede oggetto di Certificazione:
Via Magenta, 20 - 20024 GARBAGNATE MILANESE (MI) - Italy

*Bureau Veritas Certification Holding SAS - Italy Branch certifica che il sistema di gestione dell'organizzazione sopra indicata è stato valutato e giudicato conforme ai requisiti della norma di sistema di gestione seguente*

**ISO 9001:2015**

*Campo di applicazione*

Progettazione e produzione di apparecchiature per il riscaldamento e il condizionamento dell'aria.
IAF:18

| | |
|---|---|
| Data della certificazione originale: | 07-Marzo-2019 |
| Data di scadenza precedente ciclo di certificazione: | 06-Marzo-2025 |
| Data dell'Audit di certificazione / rinnovo: | 27-Giugno-2025 |
| Data d'inizio del presente ciclo di certificazione: | 11-Luglio-2025 |
| Soggetto al continuo e soddisfacente mantenimento del sistema di gestione questo certificato è valido fino al: | 06-Marzo-2028 |

Certificato Numero: IT344169 Versione: 1 Data di emissione: 11-Luglio-2025

*Signed on behalf of BVCH SAS – Italy Branch*

*Indirizzo dell'organismo di certificazione: Viale Monza, 347 - 20126 Milano (MI) Italia*
*Ufficio locale: Viale Monza, 347 - 20126 Milano (MI) Italia*

Ulteriori chiarimenti sul campo di applicazione di questo certificato e sui requisiti applicabili della norma del sistema di gestione possono essere ottenuti consultando l'organizzazione.
Per controllare la validità di questo certificato fare doppio click sul QR CODE o scansionarlo con apposita App

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- UNI EN 12100 standard (Safety of Machinery - General Principles for Design - Risk Assessment and Mitigation)
- Machinery Directive 2006/42/EC
- Low Voltage Directive 2006/95/EC
- EMC Directive 2014/30/EU
- ERP Directive 2009/125/EC (Ecodesign Requirements for Energy-Related Products)
- Regulation (EU) No. 327/2011 (motor-driven fans with power ratings from 125 W to 500 kW)
- Regulation (EU) No. 1253/2014 (ventilation units – ecodesign)

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PL clima srl
Via Borsellino 33, 20024
Garbagnate Milanese (MI)
Tel: +39 029953923
info@plclima.it
www.plclima.it

WEBSITE