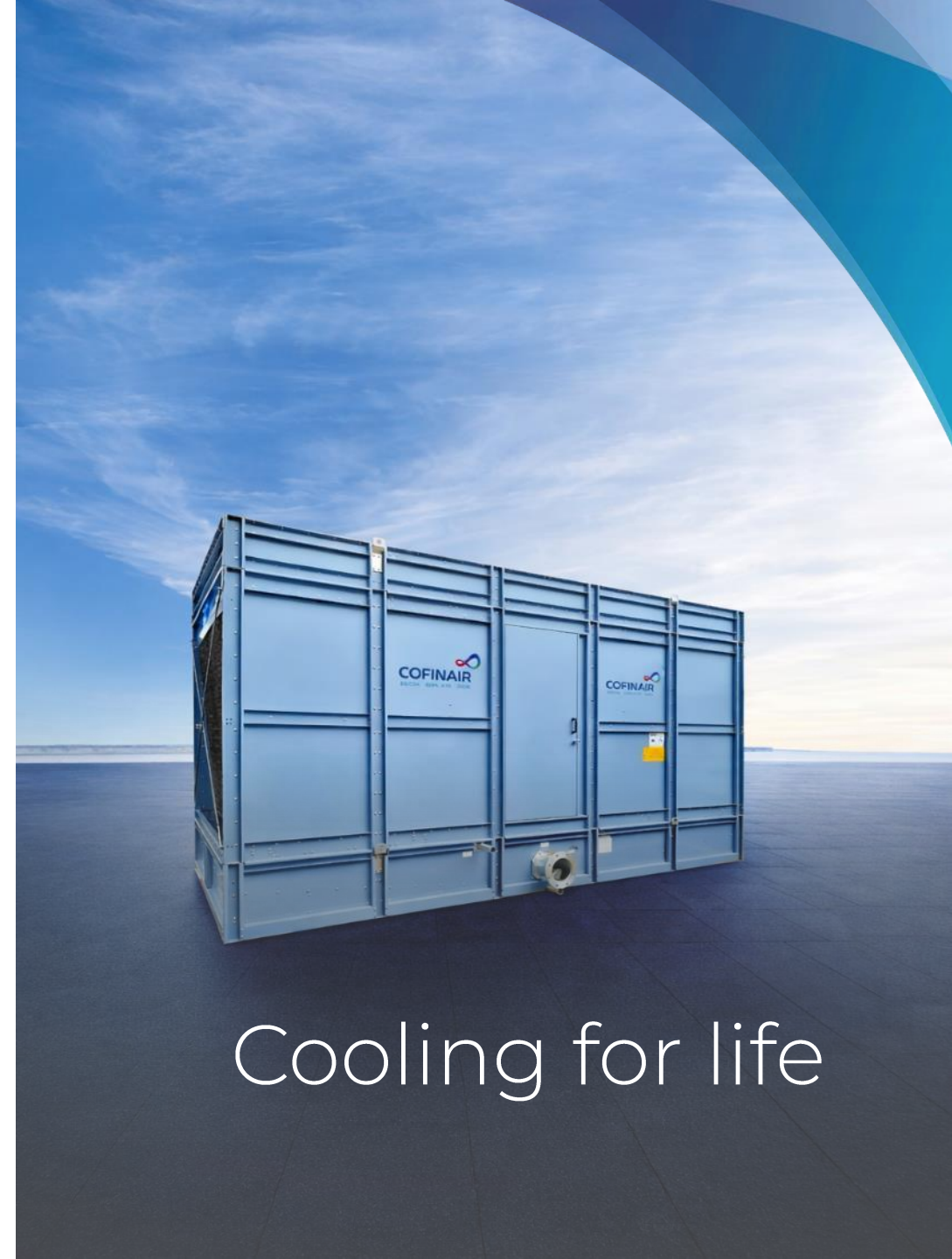


CROSS FLOW RANGE TMX SERIES



Cooling for life

INDEX

➤	Presentation of the COFINAIR Group	04
➤	Presentation – TMX Cooling Tower	11
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THE GROUP

KEY FIGURES

PRODUCTS

SERVICES

APPLICATIONS

CERTIFICATIONS

COFINAIR GROUP PRESENTATION

01

COFINAIR GROUP



- › More than 60 years of experience in the manufacturing and marketing of **cooling towers**, evaporative condensers, and adiabatic coolers for industrial processes and HVAC installations.



- › **75 M€** in revenue in 2025
 - › Including 20% from exports



- › **Production sites** in France, Italy, and Germany.



- › **Dedicated Service teams** across all three countries and for export markets.



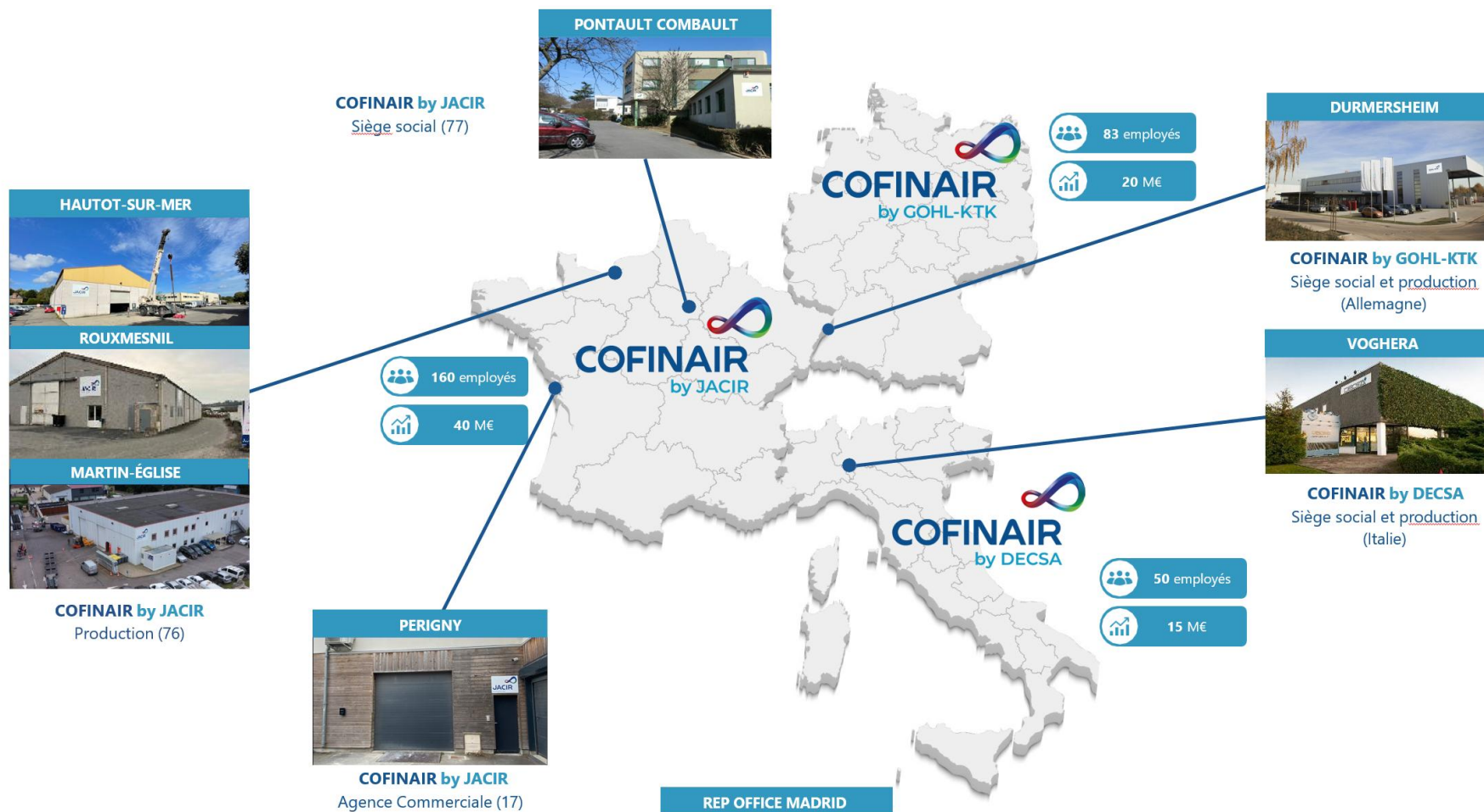
- › **300 employees** across Europe



- › **40 distributors** across Europe, the Middle East and Africa
 - › Direct presence in more than 100 countries, with over 80,000 units delivered.



LOCATIONS & STRUCTURE



PRODUCTS OVERVIEW



Counterflow open cooling towers



Evaporative/adiabatic condenser



Adiabatic cooler



Counterflow closed cooling towers



Crossflow open cooling towers

- These cooling technologies are recognized as the most **efficient** in terms of **energy performance** and **environmental protection**.

SERVICES



FIELDS OF APPLICATION

- Application Areas:
 - Air Conditioning
 - Industrial Refrigeration
 - Industrial Process Cooling
 - Power Generation
- New Target Markets:
 - Data Centers
 - Gigafactories
 - Hydrogen (H₂)
 - CO₂ Capture



CERTIFICATIONS & LABELS



VISION, MISSION & VALUES

VISION

Shaping a cooler future for generations to come, from innovative solutions to dedicated services accross the entire life cycle.



VISION



MISSION

VALUES

Your project, our concern.
From our engaged teams
to the sustainable and reliable
solution you need!



VALUES

VALUES

Customer Orientation
| Innovation
| Trust & Collaboration



PRINCIPLE

ADVANTAGES

ACCESSIBILITY

CASING &
MATERIALS

AXIAL FANS

WET DECK FILL

INSPECTION HATCH

WATER DISTRIBUTION
SYSTEM

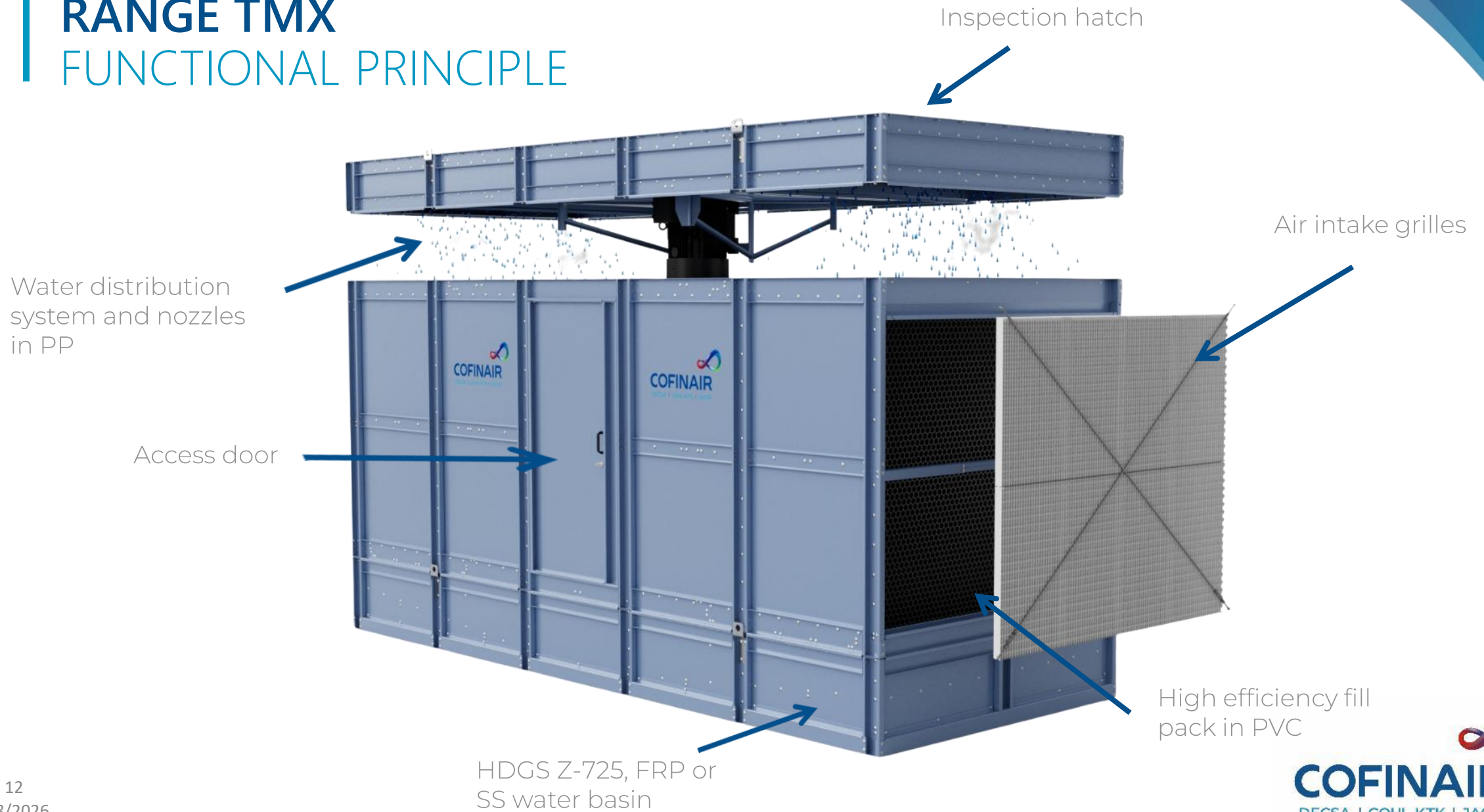
TRANSPORT

TMX COOLING TOWER PRESENTATION

02

RANGE TMX

FUNCTIONAL PRINCIPLE



RANGE TMX

FUNCTIONAL PRINCIPLE



RANGE TMX

ADVANTAGES

- › **High cooling capacity**
- › **Lower energy consumption** (low static pressure & gravity-fed distribution)
- › Easy access & simplified maintenance – **Direct access to the exchange section**
- › High capacity in a compact footprint - **Double-deck design** increases capacity without extra space.
- › High-efficiency large-diameter **fans**
- › **Flexible performance** under variable thermal loads
- › Optimized high-performance fill system



RANGE TMX

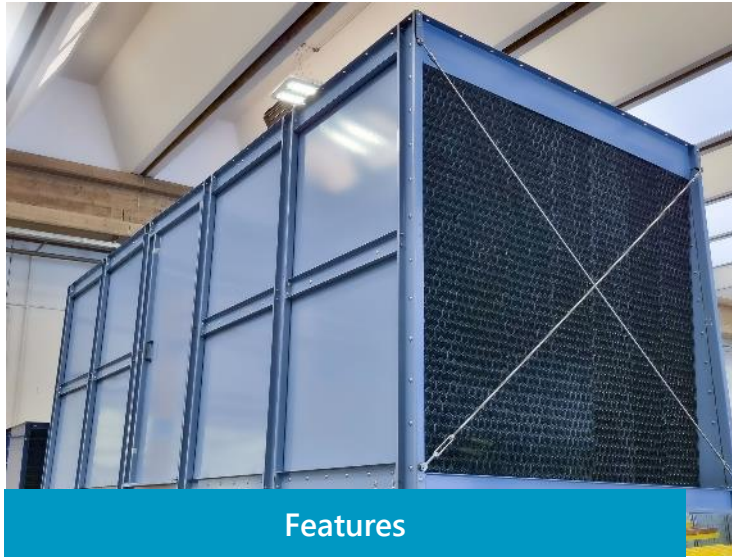
ACCESSIBILITY

- Completely safe access for inspection and maintenance
- Wide access door for quick and unobstructed access
- Optimized interior design for quick and easy cleaning



RANGE TMX

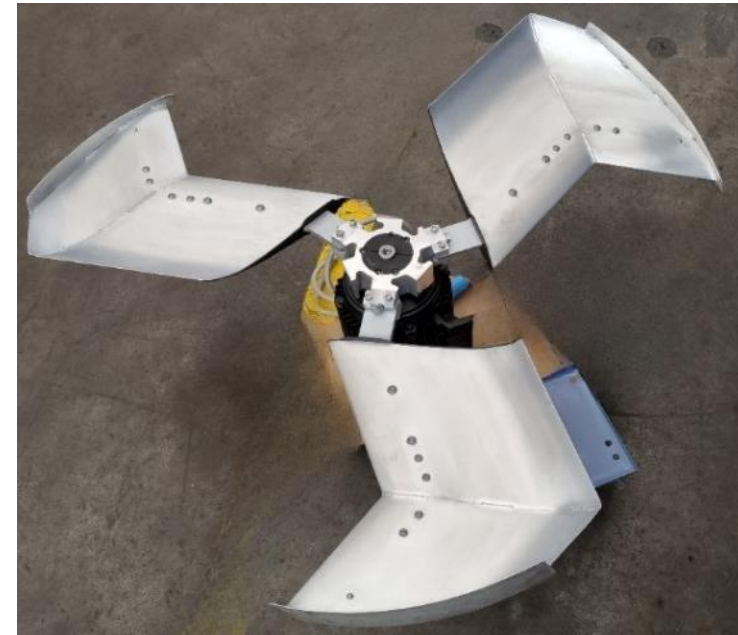
CASING AND MATERIALS



- Frame made of Hot Dip **Galvanized Steel Z-725** or SS
- Panels made of **HDGS Z-725, FRP, or SS**
- The machine can be further protected with **COFI COATING PLUS** coating

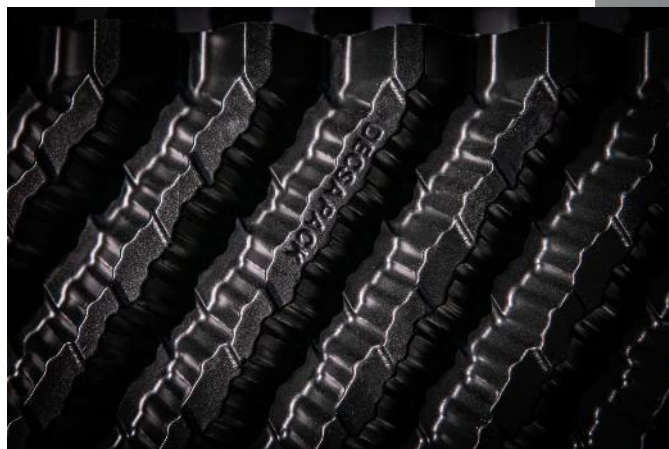
RANGE TMX

AXIAL FANS



- › **L/G optimization** → optimization of power consumption and operating costs
- › **Low noise operation** thanks to optimized peripheral speed
- › **Aluminum airfoil blades**

RANGE TMX WET DECK FILL



- **Modular PVC fill pack (19 mm wave)** → easy replacement and maintenance
- **Double-deck design with stacked heat exchange sections** → greater linearity in relation to thermal capacity
- **High efficiency and accessibility** → validated performance and easy internal inspection

RANGE TMX

INSPECTION HATCH

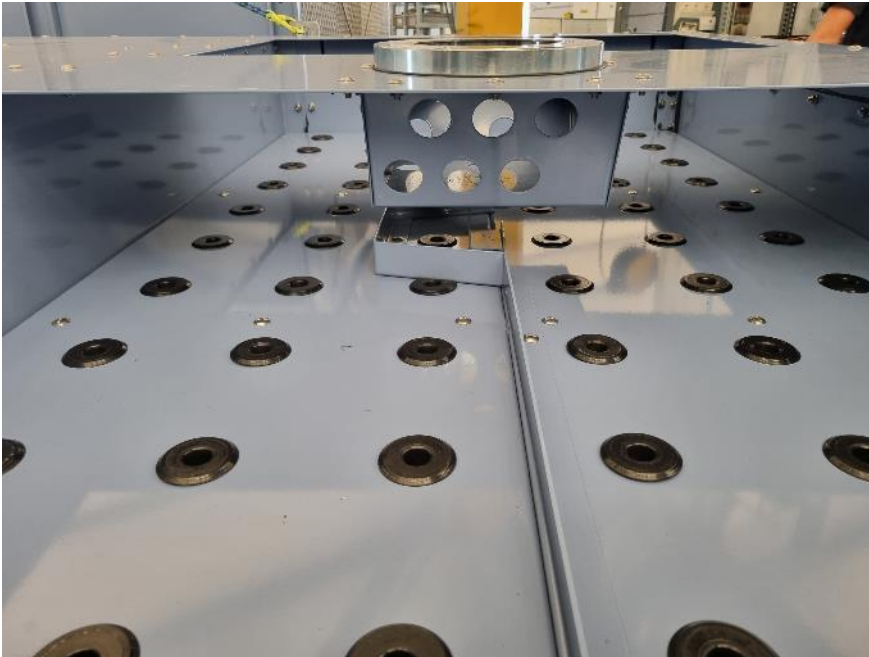


- Large inspection hatch for **direct access to internal components**
- Quick inspection and maintenance **without the need for disassembly**
- Secure closure and sturdy construction for maximum operational reliability



RANGE TMX

WATER DISTRIBUTION SYSTEM



Features

- › Distribution system with tanks and spray nozzles at the top of the tower ensuring **uniform water distribution over the entire heat-exchange surface** while minimising fouling and clogging
- › Designed for **easy access, quick cleaning and efficient flushing** → reduced maintenance requirements, improved durability and lower operating costs
- › Water spray nozzles **automatically adapt** to flow variations (with diaphragm for flow rate adjustment) ensuring stable and reliable operation under all load conditions

RANGE TMX TRANSPORT



- Transportable by standard trucks



- Containerizable design depending on model

DOUBLE DECK

DOUBLE-DECK CONFIGURATION

03

RANGE TMX

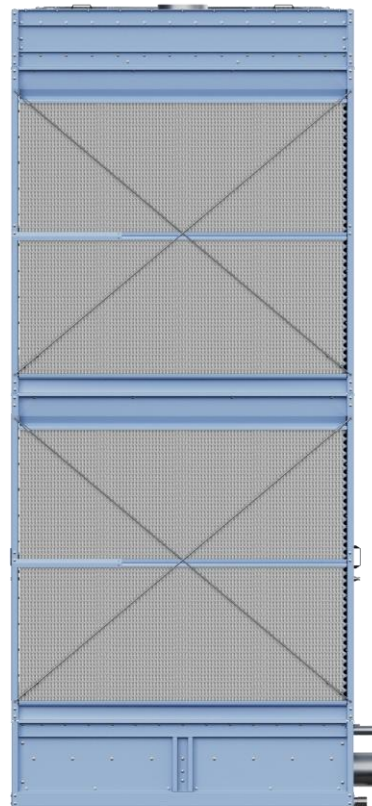
DOUBLE-DECK REALIZATION

Features

- › **Double-deck** configuration to increase overall capacity
- › Higher thermal output **without increasing the footprint**
- › Space optimization **for installations with dimensional constraints**



RANGE TMX DOUBLE-DECK REALIZATION



OVERVIEW

COATING PLUS

AXILENT FANS

WATER TREATMENT

ANTI-FREEZE
SYSTEM

OPTIONS

04

RANGE TMX

OPTIONS OVERVIEW

OPTIONS

- Coating PLUS for enhanced corrosion protection
- Anti-freeze heater with safety thermostat

ENVIRONMENTAL OPTIONS

- Low-noise axial fans for noise-sensitive environments
- Water treatment system for controlled water quality

ELECTRICAL OPTIONS

- Water level control (float valve or electronic sensors)
- ON/OFF safety switch with lockable position
- Junction box for simplified electrical connections
- Vibration switch for equipment protection
- Remote monitoring system (pressure, temperature, vibration)
- Water level control via multi-probe system with solenoid valve for improved reliability

RANGE TMX OPTION | COATING PLUS

Description

- To prevent issues from weather and circulating water, a protective treatment can be applied to the cooling tower.

Features

ECONOMIC & ENVIRONMENTAL BENEFITS

- Competitive cost vs AISI 304 towers
- Lower water consumption (higher cycles of concentration)
- Reduced chemical use → lower environmental impact

SAFETY BENEFITS

- Reduced use of chemicals
- Limited biofilm formation



RANGE TMX OPTION | COATING PLUS

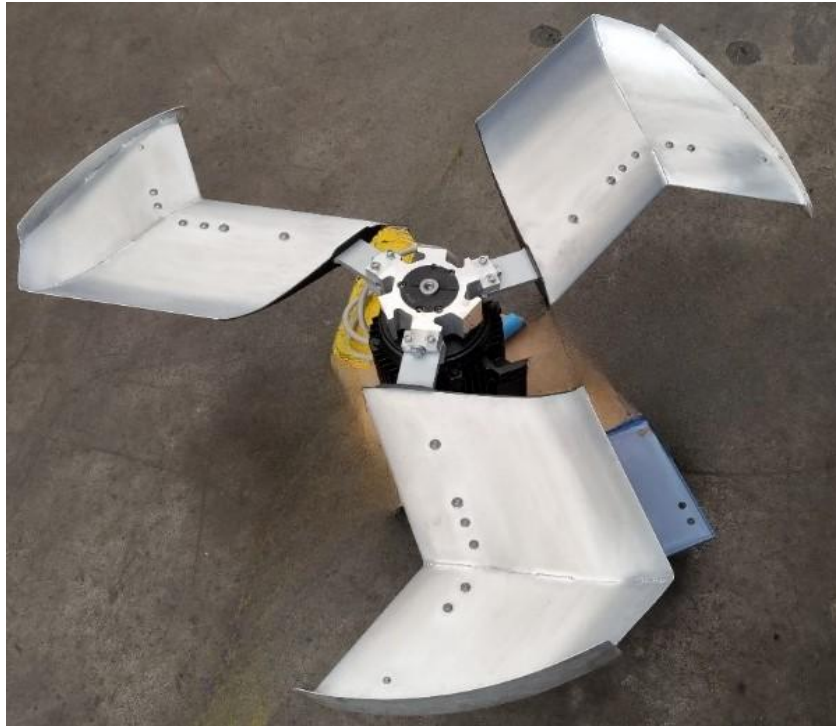
Advantages

- › Enhanced internal and external **protection against aggressive process water and weathering**
- › Extended service life
- › High degree of **abrasion resistance** to any solids in the process water



RANGE TMX

AXILENT FANS AND AXILENT PLUS FANS



Compared to a standard fan, the
**Axilent fan reduces noise by
approximately 4–5 dB(A)**



**Low noise operation for sensitive
environments**

RANGE TMX OPTION | WATER TREATMENT

Description

- › System for the automatic dosing of chemicals in evaporative towers.

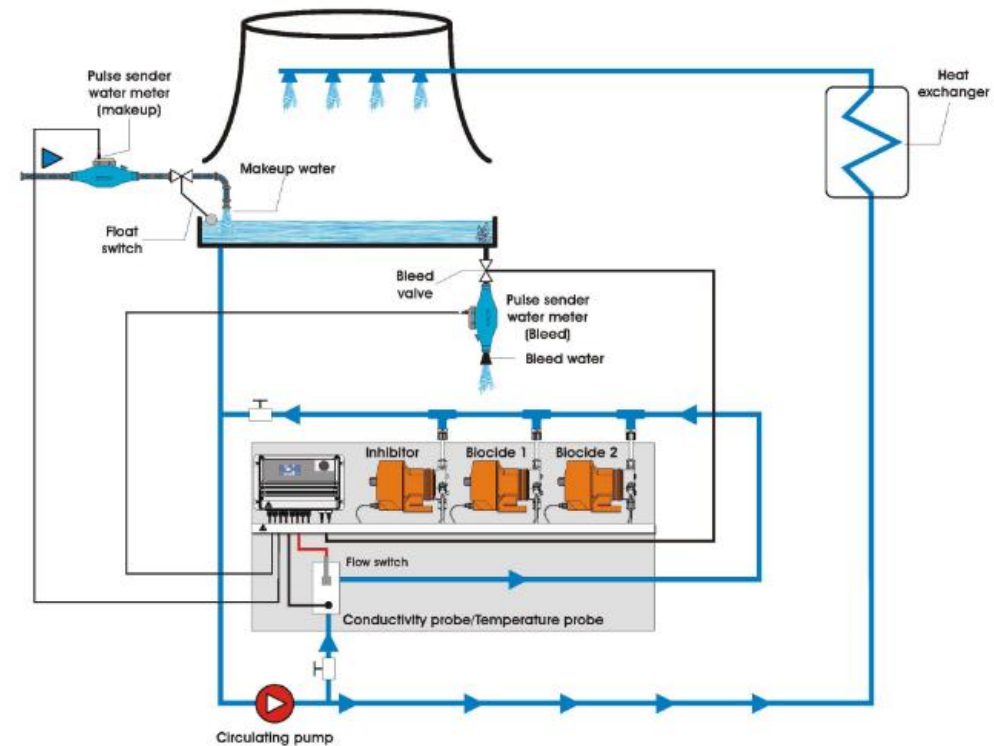
Features

Parameter Monitoring

- › Ph, Hardness, Conductivity (dissolved salts)

Main Components

- › MTOWER
- › Pulse counter
- › Drain solenoid valve
- › Conductivity probe



RANGE TMX

OPTION | ANTI-FREEZE SYSTEM

Description

- Heating system installed in the water tank to prevent water freezing and ensure safe operation in low-temperature conditions.

Features

- Prevents water freezing in low-temperature installations
- Installed in the basin to protect critical components
- Power range up to 8 kW depending on ambient conditions
- Integrated safety thermostat for automatic temperature control



Antifreeze heater



Heater



Thermostat

05

| CTI CERTIFICATION

CTI Certification

The TMX Series is covered by **CTI** (Cooling Technology Institute) **certification**. The certification confirms that the declared thermal performance has been independently verified in accordance with CTI Standard STD-201(21).



Certified Performance

Independent verification of the declared thermal performance.

Greater Design Reliability

Greater confidence in system selection and sizing.

Periodic Verification

Certification is maintained through annual performance reverification.

THANK YOU FOR YOUR ATTENTION