

WDR

Dry Cooler

Cooling capacity 90 ÷ 430 kW

- V-Shape model with double row of fans
- Ideal machine to manage two-circuit systems completely independently and precisely
- Very solid and reliable structure
- Maximum height clearance 2.2 mt



GENERAL FEATURES

- V-Shape model with double row of fans;
- Very solid and reliable structure;
- Maximum height clearance 2.2 mt;
- can be transported via container;

FEATURES

Structure

- They are designed for outdoor installation and therefore manufactured with technologies and materials that guarantee resistance to atmospheric agents;
- Coils with compact staggered geometry, copper pipes and corrugated or mechanically expanded aluminium louvers;
- The version with polyurethane resin pre-painted louvers is also available for greater resistance to corrosion in aggressive environments;
- All coils are tested at a maximum pressure of 16 bar;
- The shoulders of the coils are integrated into the structure and designed to avoid any pipe breakage due to vibrations related to transport or functioning;
- Copper collectors with threaded brass connections or flanged on request, adequately protected for transport;
- Adiabatic "Spray System" systems with running water nozzles (cheaper but less efficient);
- Aluminium "Adiabatic Panels" system with closed water management and control system (very efficient system with a 10% maximum amount of evaporated water).

Fans

- Latest generation axial fans all compliant with ErP regulation and IP54;
- All machines are supplied with wired and tested fans;
- Fans diameter \varnothing : 800 mm;
- All fans with three-phase motors (T) there can be from 4 to 10 per machine;
- Different sound levels: standard (B), silenced (S) or extra-silenced (E);

- The motors can have AC or EC technology;
- For three-phase AC motors it is possible to choose the electrical type of connection: star (Y) or delta (D).

CONTROL

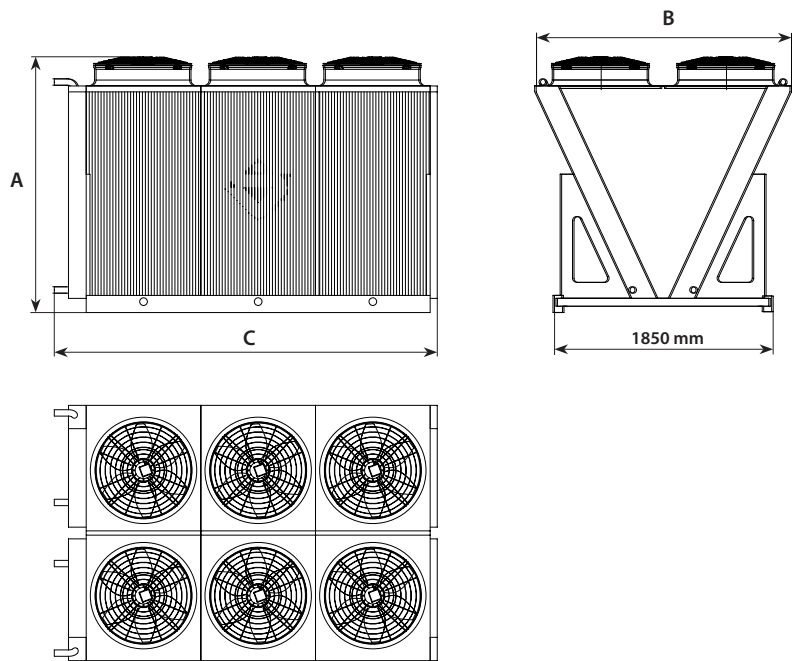
- The electrical panel with terminal board or adjustment is always present and can be installed on the collector side (standard) or on the opposite side;
- The regulators used are of high efficiency and low consumption;
- The types of available adjustments are: phase cut for AC fans and with electronic processor for EC fans;
- The two banks can be managed separately with independent electric control board and adjustment (ideal solution for two-circuit systems)

ACCESSORIES

Several accessories are available:

1. Anti-vibration supports;
2. Coil connection kit;
3. Additional disconnectors for each motor;
4. Remote switch-on/switch-off management kit;
5. Resistance kit (if temperature $\leq -20^{\circ}\text{C}$);
6. UV lamp kit (only for adiabatic "Spray System" system).

DIMENSIONS



		WDR*8043	WDR*8044	WDR*8063	WDR*8064	WDR*8083	WDR*8084	WDR*8103	WDR*8104
Dimensions and weights									
A	mm	2150	2150	2150	2150	2150	2150	2150	2150
B	mm	2160	2160	2160	2160	2160	2160	2160	2160
C	mm	2150	2150	3120	3120	4090	4090	5060	5060
Empty weight	kg	725	798	1098	1216	1425	1571	1776	1958

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