

# AERMEC



## CDR & WDR

V-SHAPED UNIT

2 ROW OF FANS

AIR COOLED CONDENSED UNIT | DRY COOLER UNIT



CDR condenser and WDR dry cooler's serie meet equipment's power requirements. They are available from 4 up to 10 fans both version AC and EC.

### AIR CONDENSER AND LIQUID COOLERS WITH AXIAL FANS

- Configuration: 2 heat exchangers V-shape arranged
- 2 independent circuits
- 2 fans row
- Wide range of capacity
- 56 models available as condenser
- 56 models available as dry coolers
- Fan diameter: 800 mm
- Number of fans: from 4 to 10
- Devided ventilation vane

### CONSTRUCTION CHARACTERISTICS

They are realized with technologies and material which guarantee strength against atmospheric agents.

High efficiency finned block heat exchangers realized with copper tubes and alluminium fins. New generation axial fans with 800 mm diameter both available version AC and EC chosen for minimizing the energy consumption. Standard unit are supplied with cabled fans and electrical box with clamps.

### AVAILABLE FANS

BTD: 6-poles with delta connection

BTY: 6-poles with star connection

STD: 8-poles with delta connection

STY: 8-poles with star connection

ETD: 12-poles with delta connection

ETY: 12-poles with star connection

CTB: fan motor EC high-power

CTE: fan motor EC low noise level

MODELS								
Model	Main switch	Switch for each motor	Switchboard	Phase cut regulatori	Controller EC	Inverter	Probe	Anti-vibration device
CDR-WDR BTD	✓	✓	✓	✓		✓	✓	✓
CDR-WDR BTY	✓	✓	✓	✓		✓	✓	✓
CDR-WDR STD	✓	✓	✓	✓		✓	✓	✓
CDR-WDR STY	✓	✓	✓	✓		✓	✓	✓
CDR-WDR ETD	✓	✓	✓	✓		✓	✓	✓
CDR-WDR ETY	✓	✓	✓	✓		✓	✓	✓
CDR-WDR CTB	✓	✓	✓		✓		✓	✓
CDR-WDR CTE	✓	✓	✓		✓		✓	✓

### ACCESSORIES

CDR and WDR unit could be equipped with main switch, switchboard, cut phase fan speed regulator (with 1 set point or 2 set point) or inverter with shielded cables, EC controller and temperature sensor, pressure sensor or 0-10V signal.

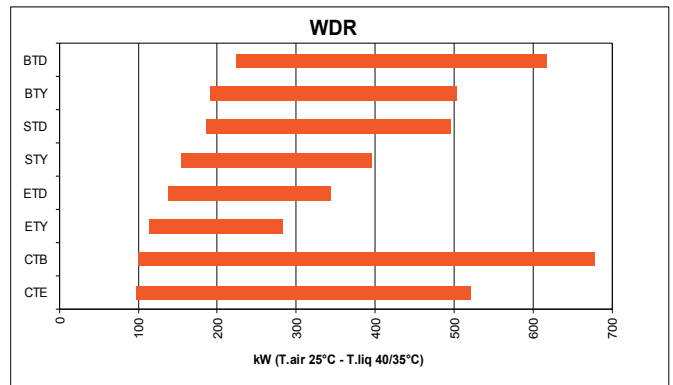
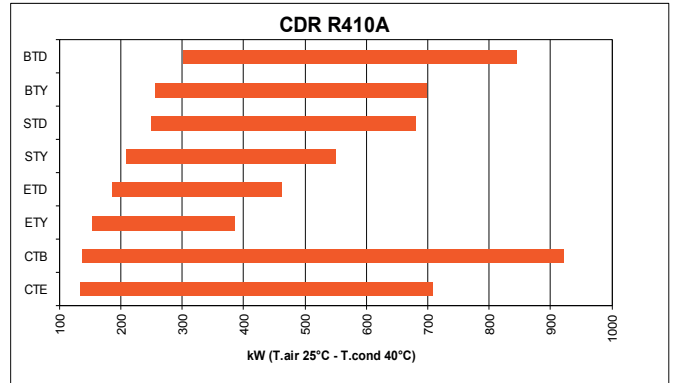
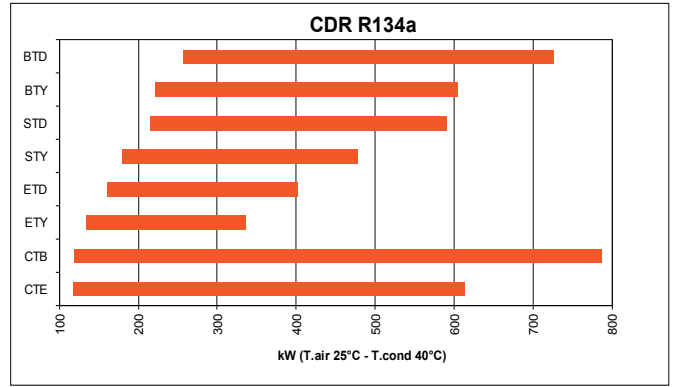
All fan motors could be equipped with switch for each motor. Anti-vibration device are also available for reducing machine's vibrations and only for dry coolers flanges in order to simplify hydraulic connection.

**CAPACITY**

In air condenser unit power range with refrigerant R134a is from 33 up to 224 tons (ambient air temperature +77°F, average condensing temperature +104°F according to EN 327)

In air condenseer unit power range with refrigerant R410A is from 133 up to 920 tons (ambient air temperature +77°F, average condensing temperature +104°F according to EN 327)

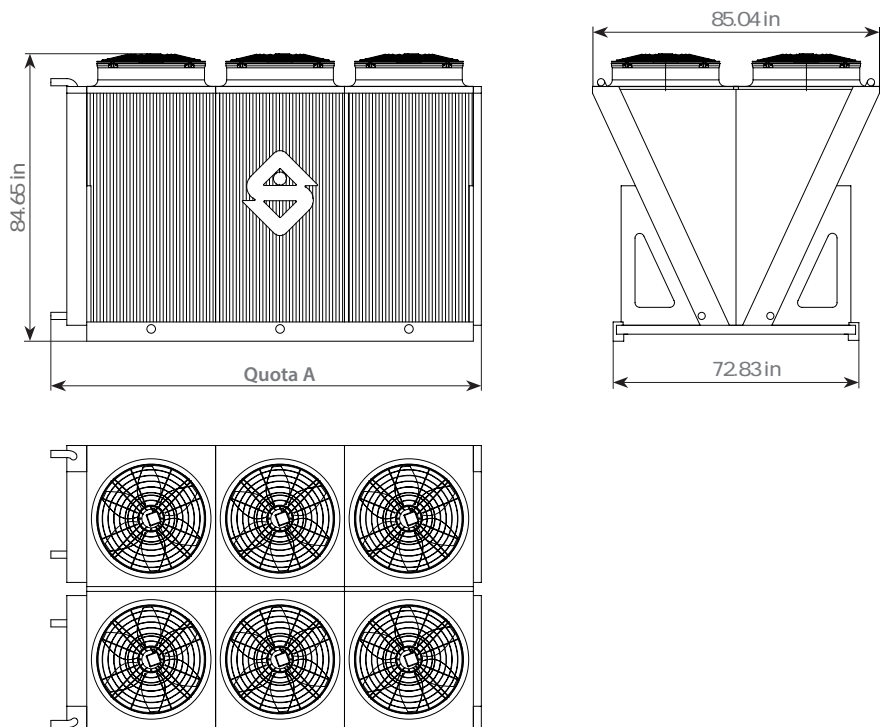
In dry cooler unit power range with ethylene glycol 30% is from 27 up to 193 tons (ambient air temperature +77°F, inlet liquid temperature +104°F outlet liquid temperature +95°F according to EN 1048)



**TECHNICAL DRAWING**

**Quota A**

- CDR/WDR° 8044 89.37 in
- CDR/WDR° 8064 127.56 in
- CDR/WDR° 8084 165.75 in
- CDR/WDR° 8104 203.94 in



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