

Dry coolers RDDS and RDDL

Series RDDS and RDDL are consisting of dry coolers with double row of axial fans, suitable to be used in refrigeration, air conditioning and process cooling installations.

Thanks wide range of models with different noise level and dimensions this range of dry coolers fulfill every customer needs.

They are available for both horizontal and vertical installation and with special fans for high air temperature applications.



Capacity range from 62 to 1270 kW (operating conditions EN1048)

Casing

The frame design provides high rigidity.

Casing manufactured from galvanized steel powder painted colour RAL 9002, corrosion resistant.

All rivets and bolts are in stainless steel AISI 304.

Heat exchanger

Heat exchanger is equipped with suspending tubes system that avoid the contact between tubes and frame and it provides full protection of the heat exchanger against vibrations and thermal expansions.

The coil is realized with copper pipes and aluminium fins.

PS 16 bar and TS -40 / +120 °C, according to standard PED 2014/68/EU.

Fans

High efficiency fans provide high performances with limited power consumption. They are complete of thermal protection, protection grid according to EN ISO 13857, dynamically and statically balanced and according to ErP directive.

AC and EC fans are available with diameter 800 and 910 mm with motors with external rotor, insulation class F, standard protection degree IP 54 (EN 60529).

Noise level from 30 dB(A) at 10 m (EN 13487).

Standards

The products are designed and manufactured according to following EU Directive:

- PED 2014/68/UE
- 2006/42/CE (Machinery Directive)
- 2014/35/UE (LVD Directive)
- 2014/30/UE (EMC Directive)

Options

- Fins spacing 2,1 – 2,3 – 2,5 – 3,0 – 4,0 – 4,5 mm
- Special fans for application with high static residual pressure
- ATEX fan
- Stainless steel pipes AISI 304 or AISI 316L
- Plane aluminium fins for easier cleaning
- Copper fins
- Stainless steel fins AISI 304 o AISI 316L
- Epoxy coated Aluminium fins
- Protective coating on coil
- Vertical air flow installation kit
- Vibration dampers
- Switch off for fans
- Controllers for AC and EC fans speed regulation
- AC and EC fans wiring
- Casing with special painting
- Stainless steel casing AISI 304 or AISI 316L
- Adiabatic system "Spray System"

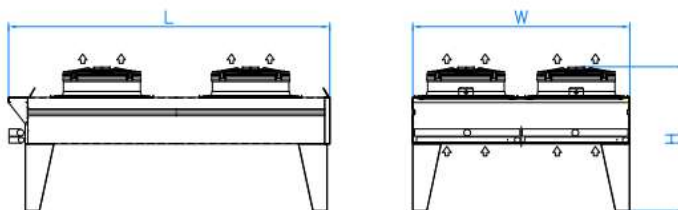
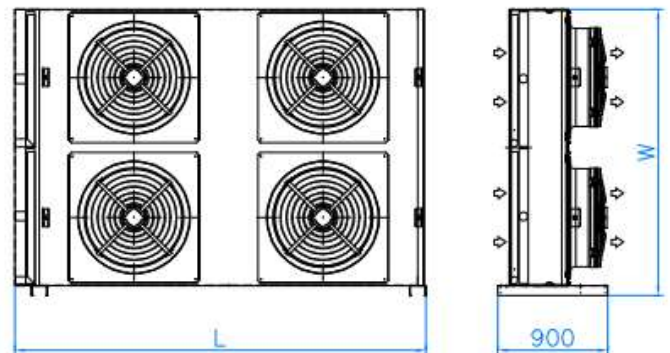
Code key

R	D	D	L	080	6	C	4	D	V
1	2	3	4	5	6	7	8	9	10

1. Refteco
2. Dry cooler
3. Double row of fans
4. Length of coil (S = short, L = long)
5. Fan diameter (mm)
6. Number of fans
7. Size of coil (number of rows)
8. Poles number of fans
9. Fans connection (D = triangle, Y = star, S = single phase)
10. Air flow direction (V = vertical, H = horizontal)

Dimensions

Number of fans	Dimensions RDDS (mm)		
	L	W	H
4	3365	2344	1496
6	4915	2344	1496
8	6465	2344	1496
10	8015	2344	1496
12	9565	2344	1496
14	11115	2344	1496



Number of fans	Dimensions RDDDL (mm)		
	L	W	H
4	4065	2344	1496
6	5965	2344	1496
8	7865	2344	1496
10	9765	2344	1496
12	11665	2344	1496

Warranty

Products are granted, against any construction defect, for 24 months from shipping date. Damage caused by normal wear, corrosion, faulty assembly or maintenance are excluded.