

Dry coolers RDS, RDSX, RDL and RDLX

Series RDS, RDSXD, RDL and RDLX are consisting of dry coolers with single 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 fulfil every customer needs.

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



Capacity range from 9 to 640 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 500, 630, 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)

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.

Options

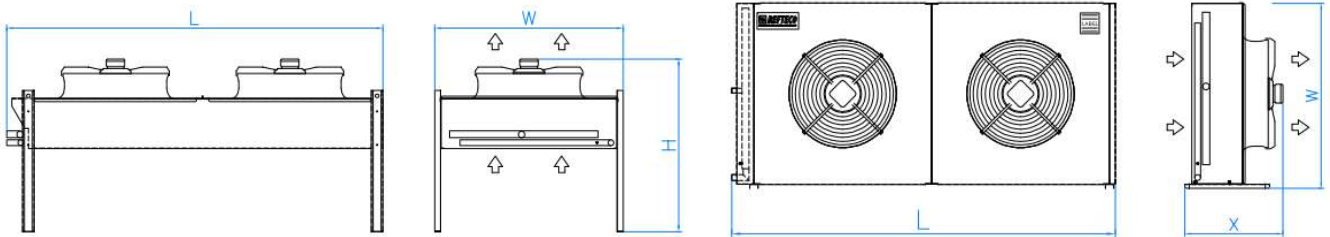
- Fins spacing 2,1 – 2,3 – 2,5 – 3,0 – 4,0 – 4,5 mm
- Special fans for application with high static residual pressure
- ATEX fan
- Stainless steel pipes AISI 304 or AISI 316L
- Plane aluminium fins for easier cleaning
- Copper fins
- Stainless steel fins AISI 304 o AISI 316L
- Epoxy coated Aluminium 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	LX	080	6	C	4	D	V
1	2	3	4	5	6	7	8	9

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

Dimensions



Model	Dimensions (mm)			
	L		H	X
	S – SX / L – LX	S – L / SX – LX		
RDS 0351	750	643	691	337
RDS 0352	1300	643	691	337
RDS 0353	1845	643	691	337
RDS 0501	976	883	836	476
RDS 0502	1786	883	836	476
RDS 0503	2596	883	836	476
RDS 0504	3406	883	836	476
RDS 0631	1216	1133	1039	579
RDS 0632	2266	1133	1039	579
RDS 0633	3316	1133	1039	579
RDS 0634	4366	1133	1039	579
RD_ 0801- RD_ 09_1	1825 / 2175	1213 / 1753	1499	840
RD_ 0802 – RD_ 09_2	3375 / 4075	1213 / 1753	1499	840
RD_ 0803 – RD_ 09_3	4925 / 5975	1213 / 1753	1499	840
RD_ 0804 – RD_ 09_4	6475 / 7875	1213 / 1753	1499	840
RD_ 0805 – RD_ 09_5	8025 / -	1213 / -	1499	840