

Evaporators and air coolers REDB, RBDB and RGDB

Series R_DB is consisting of evaporators and air coolers for installation in banana ripening cold rooms with airbag.

Thank high static pressure and, on request, with reversible fans, units for banana ripening grant homogeneous temperature and distribution in the cold room and uniform ripening of banana. Units are equipped, as standard, with lights, circular electric heaters to heat air. Moreover, fans panel are hinged to make easy the access to internal side.

These units are available with different type of refrigerants:

- Dry expansion evaporators HFC
- Air coolers for no frost solutions



Capacity range from 5 to 32 kW

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 (rippled for REDB to grant high efficiency and optimal evaporation, smooth for RDBF, diam. 16 mm and minimum thickness 0,3 mm) and aluminium fins.

Evaporators HFC: PS 30 bar and TS -40 / +120 °C, according to standards PED 2014/68/EU.

Air coolers: PS 16 bar and TS -40 / +120 °C, according to standards 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 fans are available with diameter 500 and 560 mm with normalized motors, insulation class F, standard protection degree IP 55 (EN 60529).

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

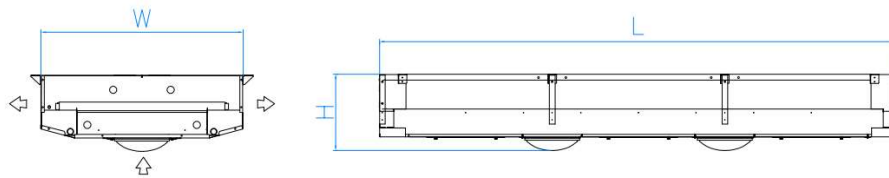
- Fins spacing 4,5 – 5,0 mm
- Stainless steel fins AISI 304 or AISI 316L
- Epoxy coated aluminum fins
- Protective coating on coil
- Reversible fans
- Rotating fans 180 °
- Vertical side panels
- Horizontal side panels

Code key

R	G	D	B	056	2	C	45	A	4	D
1	2	3	4	5	6	7	8	9	10	11

1. Refteco
2. Type of refrigerant (E = HFC, G = glycol, B = CO2)
3. Double flow
4. Banana
5. Fan diameter (mm)
6. Number of fans
7. Size of coil (number of rows)
8. Fins spacing (mm)
9. Type of defrost (A = air)
10. Poles number of fans
11. Fans connection (D = triangle, Y = star)

Dimensions



Model	Dimensions (mm)		
	L	W	H
0502	2400	1400	530
0503	3600	1400	530
0504	4800	1400	530
0505	6000	1400	530
0506	7200	1400	530
0562	2400	1400	650
0563	3600	1400	650
0564	4800	1400	650
0565	6000	1400	650
0566	7200	1400	650

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.