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General features : RDF4250

RDF range unit coolers have been designed to be installed inside cold rooms suited for fresh and frozen goods storage

The main feature of this range is of throwing air from both sides; this allow the unit cooler to be placed in the middle of the cold room ceiling giving a uniform air flow and, as a result, the best product conservation

RDF range is available in two different fan diameters and three types of fin spacing according to the needed application

The ED version is supplied with mounted defrosting heaters and is suitable for being used at low temperature applications

The range consists of two types of coils , both made of aluminium fins and copper tube: 3/8" tube size with a geomet

The model types having 250 mm fan diameter are fitted with a coil of 4,5 mm / 9 mm fin spacing, suited for applications with a cold room temperature (Tc) from -30°C to +10°C

The coils are tested with nitrogen at a pressure of 25 bar.

The fan motor models in use have the following features:

Manufactured following EN 60335-1 laws, with internal thermal protection

Fan diameter 250mm

Power supply 230-240V/1/50-60Hz

IP42 protection rate

Operating temperature from -40°C to +40°C

B insulation class

Electrics made in conformity with 2006/95/CE Low Tension directive

The housing is made of aluminium

The manufacturing solutions used give the housing strength and guarantee the absence of vibrations during the functioning.

Screws, washers and nuts are made of stainless steel



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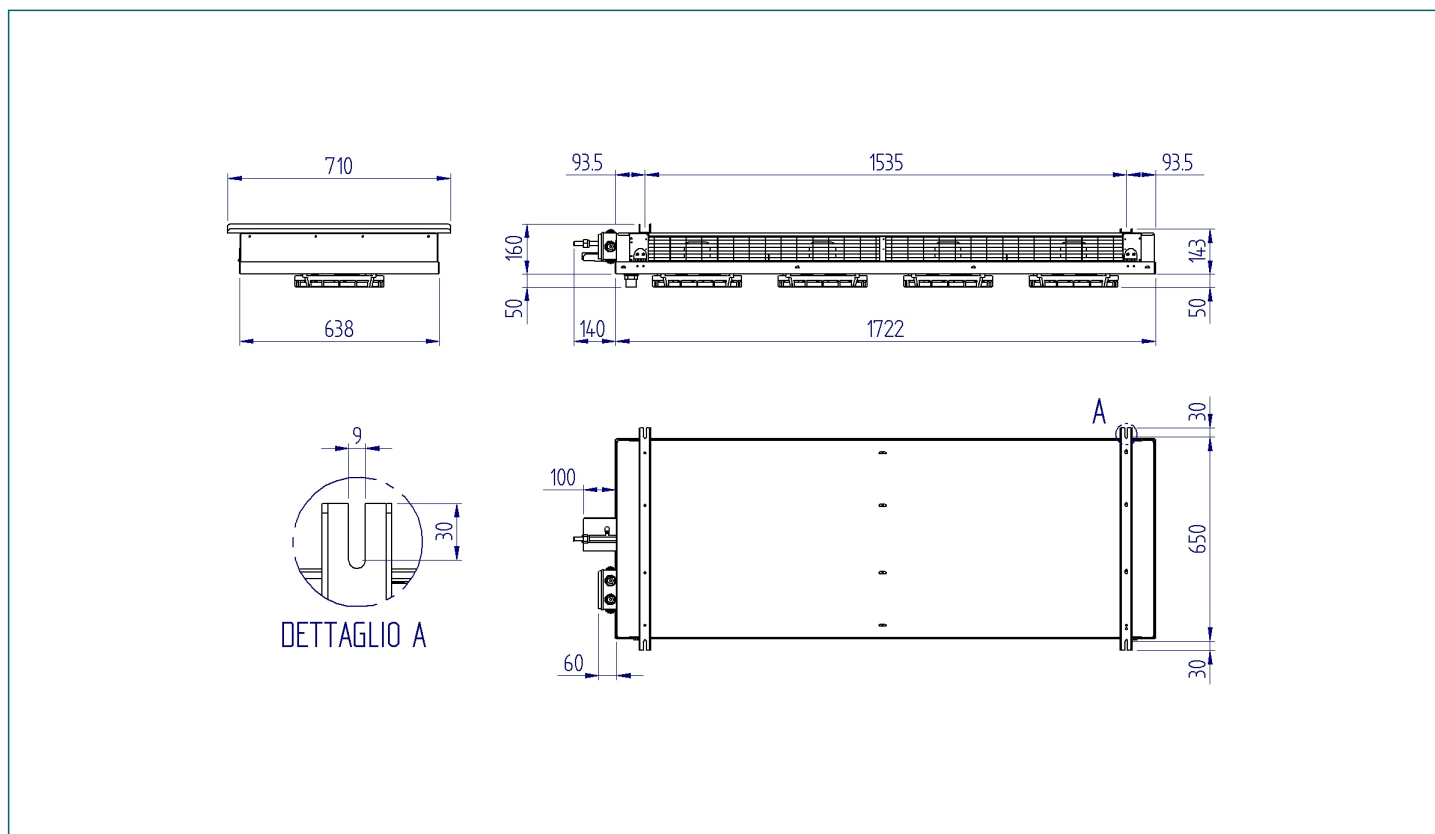
Product file : Unit coolers

Code	RDF4250ED
Model	Ceiling unit c. dual air flow
Range	RDF
Application	MBP
Net weight	36,5 kg
Inlet connection	12 mm - 1/2" SAE
Outlet connection	22 mm
Drain connection	1" Gas (33mm)
Ped	0
Rows	4
Fin spacing	4,5 / 9
Circuit volume	5,04 dm ³
Total surface	17,1 m ²

Fan motor

Type	AC
Fans no.	4
Diameter	254 mm
Power supply	220-240/1/50-60
Defrost	3150 W
Speed	1300 rpm
Power consumption	240 W
Current consumption	2 A
Air flow	2161.5 m ³ /h
Air throw	2x10 m

Technical drawing - RDF4250



Refrigerating capacity table (watt) - Gas :

dT \ Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
10	2560 ⁽¹⁾	2940 ⁽¹⁾	3360	3750	4090	4350	4580	4880	5250	5340	5430	5510	5590	5710	5900	6185
9	2400 ⁽¹⁾	2750 ⁽¹⁾	3120	3450	3740	3890	4140	4420	4750	4820	4890	4960	5030	5200	5350	5575
8	2220 ⁽¹⁾	2540 ⁽¹⁾	2850	3120	3310	3470	3680	3920	4220	4290	4340	4390	4470	4630	4770	4980
7	2020 ⁽¹⁾	2290 ⁽¹⁾	2540	2750	2900	3030	3210	3420	3680	3740	3800	3850	3930	4040	4160	4340
6	1790 ⁽¹⁾	2010 ⁽¹⁾	2200	2360	2440	2580	2730	2910	3160	3230	3260	3320	3400	3510	3630	3810
5	1530 ⁽¹⁾	1690 ⁽¹⁾	1830	1920	1990	2100	2230	2400	2620	2670	2710	2760	2860	2960	3070	3235

(1) Applicazione fuori dal campo consigliato