



INDICATIVE PHOTO

General features : RDF53503

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: 12 mm tube size with a geometry of 37,5 x 32,5, for models with 350 mm fan diameter

The model types having 350 mm fan diameter are made of two different groups: models with 3,5 mm fin spacing suited for cold room temperature (Tc) from -5°C to +15°C; models with 7 mm fin spacing suited for cold room

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 350mm

Power supply 230V/1/50Hz

Double speed (1070-1360 rpm)

IP44 protection rate

B insulation class

operating temperature -40°C a +45°C

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	RDF53503ED
Model	Ceiling unit c. dual air flow
Range	RDF
Application	HBP
Net weight	85,45 kg
Inlet connection	16 mm-5/8" SAE
Outlet connection	35 mm
Drain connection	1" Gas (33mm)
Ped	0
Rows	4
Fin spacing	3,5
Circuit volume	11,9 dm ³
Total surface	62,9 m ²

Fan motor

Type	AC
Fans no.	5
Diameter	350 mm
Power supply	230/1/50
Defrost	4680 W

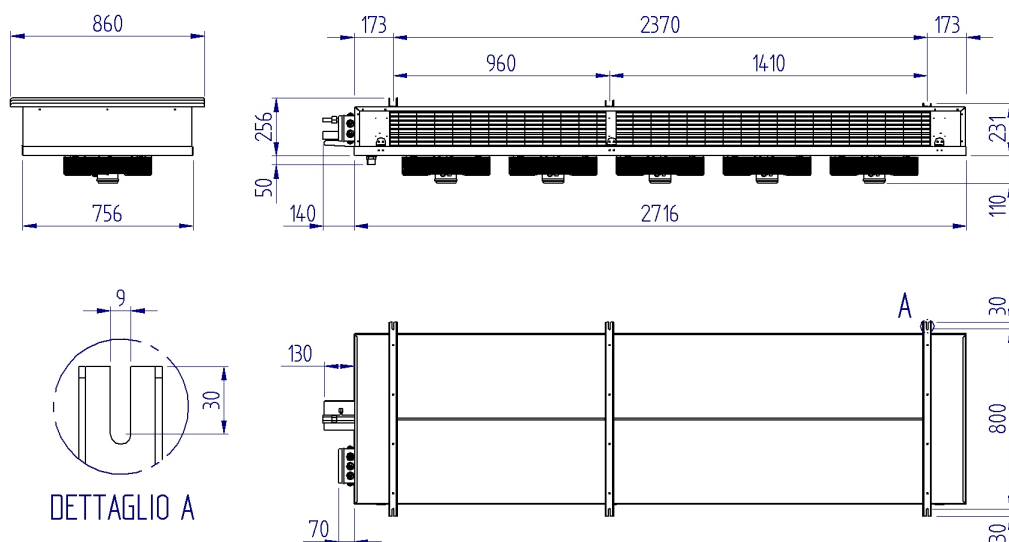
Low speed

Speed	1050 rpm
Power consumption	700 W
Current consumption	3,1 A
Air flow	6866 m ³ /h
Air throw	2x12 m

High speed

Speed	1350 rpm
Power consumption	750 W
Current consumption	3,3 A
Air flow	10062.5 m ³ /h
Air throw	2x14 m

Technical drawing - RDF53503



Refrigerating capacity table (watt) - Gas :

Low speed

dT \ Tc	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
10	13000 (1)	14000 (1)	14200	14400	14600	14800	15000	15400	16000
9	11800 (1)	12600 (1)	12800	13000	13200	13400	13600	13900	14350
8	10500 (1)	11200 (1)	11360	11520	11680	11840	12000	12200	12500
7	9040 (1)	9650 (1)	9780	9910	10040	10170	10300	10500	10800
6	7640 (1)	8170 (1)	8292	8414	8536	8658	8780	8990	9305
5	6160 (1)	6630 (1)	6748	6866	6984	7102	7220	7420	7720

High speed

dT \ Tc	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
10	15300 (1)	16600 (1)	16880	17160	17440	17720	18000	18400	19000
9	13900 (1)	15000 (1)	15260	15520	15780	16040	16300	16600	17050
8	12400 (1)	13300 (1)	13500	13700	13900	14100	14300	14600	15050
7	10800 (1)	11500 (1)	11660	11820	11980	12140	12300	12600	13050
6	9110 (1)	9760 (1)	9908	10056	10204	10352	10500	10700	11000
5	7360 (1)	7900 (1)	8038	8176	8314	8452	8590	8820	9165

(1) Applicazione fuori dal campo consigliato