



INDICATIVE PHOTO

General features : RDF33503

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	RDF33503ED
Model	Ceiling unit c. dual air flow
Range	RDF
Application	HBP
Net weight	57,53 kg
Inlet connection	12 mm-1/2" SAE
Outlet connection	28 mm
Drain connection	1" Gas (33mm)
Ped	0
Rows	4
Fin spacing	3,5
Circuit volume	7,48 dm ³
Total surface	39,3 m ²

Fan motor

Type	AC
Fans no.	3
Diameter	350 mm
Power supply	230/1/50
Defrost	3148 W

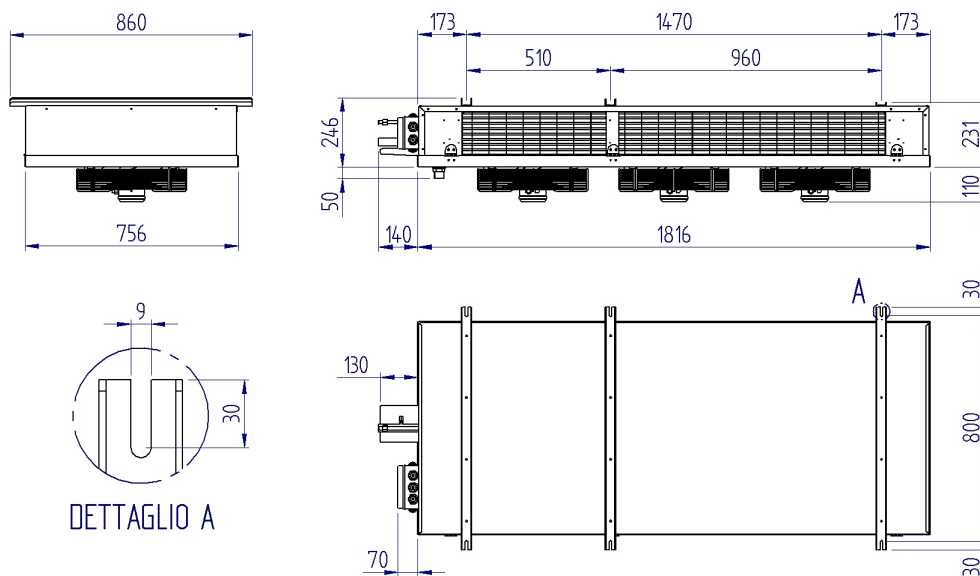
Low speed

Speed	1050 rpm
Power consumption	420 W
Current consumption	1,86 A
Air flow	4252.5 m ³ /h
Air throw	2x9 m

High speed

Speed	1350 rpm
Power consumption	450 W
Current consumption	1,98 A
Air flow	6192 m ³ /h
Air throw	2x11 m

Technical drawing - RDF33503



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	8220 (1)	8800 (1)	8916	9032	9148	9264	9380	9630	10005
9	7410 (1)	7930 (1)	8036	8142	8248	8354	8460	8630	8885
8	6560 (1)	6990 (1)	7080	7170	7260	7350	7440	7580	7790
7	5650 (1)	6010 (1)	6084	6158	6232	6306	6380	6500	6680
6	4750 (1)	5070 (1)	5140	5210	5280	5350	5420	5540	5720
5	3820 (1)	4090 (1)	4160	4230	4300	4370	4440	4550	4715

High speed

dT \ Tc	-5°C	0°C	2°C	4°C	6°C	8°C	10°C	12°C	15°C
10	9730 (1)	10500 (1)	10640	10780	10920	11060	11200	11500	11950
9	8810 (1)	9450 (1)	9580	9710	9840	9970	10100	10300	10600
8	7810 (1)	8350 (1)	8460	8570	8680	8790	8900	9070	9325
7	6750 (1)	7190 (1)	7276	7362	7448	7534	7620	7760	7970
6	5670 (1)	6060 (1)	6142	6224	6306	6388	6470	6600	6795
5	4560 (1)	4870 (1)	4950	5030	5110	5190	5270	5400	5595

(1) Applicazione fuori dal campo consigliato