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General features : RCS2250408

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

Their shape, being extremely compact, make their installation possible also in cold rooms having very small dimensions

RCS range is available in different combinations of fin spacing dimensions and tube rows properly sized according to the needed applications.

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

The fan motors operate in the suction mode and prevent the condensate forming on the fan

The coil is made of aluminium fins, 12 mm copper tube and a geometry of 37,5 x 32,5

RCS unit coolers can be classified in three groups according to the needed cold room temperature (Tc): 4mm fin spacing for a Tc from -5°C to +15°C; 6mm fin spacing for a Tc from -20°C to +15°C; 8mm fin spacing for a Tc from -40°C to +4°C

Each fin spacing group is also available with 4 and 6 rows.

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

IP44 protection rate

F insulation class

Operating temperature from -40°C to +40°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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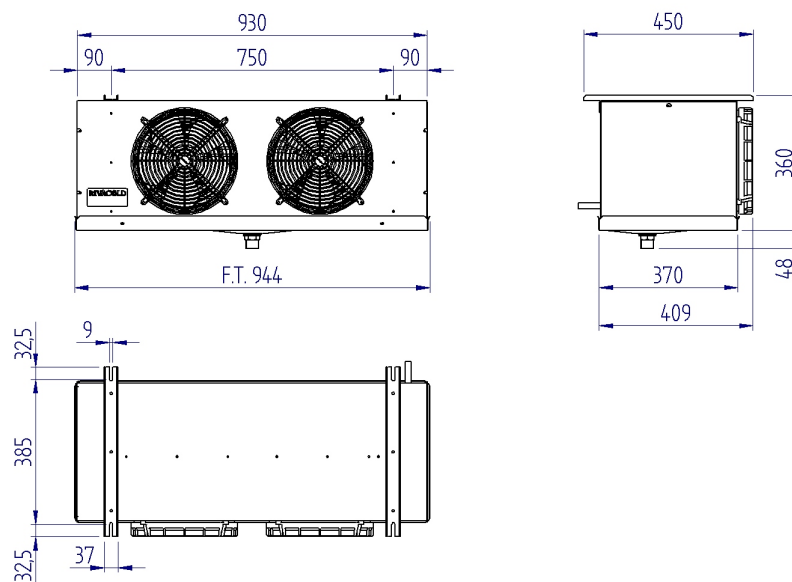
Product file : Unit coolers

Code	RCS2250408ED
Model	Ceiling cubic unit cooler
Range	RCS
Application	LBP
Net weight	21,4 kg
Inlet connection	12 mm-1/2" SAE
Outlet connection	16 mm
Drain connection	1" Gas (33mm)
Ped	0
Rows	4
Fin spacing	8
Circuit volume	3,16 dm ³
Total surface	7,4 m ²

Fan motor

Type	AC
Fans no.	2
Diameter	254 mm
Power supply	230/1/50
Defrost	1350 W
Speed	1300 rpm
Power consumption	160 W
Current consumption	0,7 A
Air flow	1964 m ³ /h
Air throw	10 m

Technical drawing - RCS2250408



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
10	1510	1690	1870	2030	2130	2250	2350	2450	2580	2600	2610
9	1400	1550	1700	1830	1910	2000	2090	2180	2290	2300	2310
8	1280	1400	1520	1600	1680	1750	1820	1900	2000	2010	2020
7	1160	1230	1300	1380	1440	1490	1550	1620	1700	1710	1720
6	970	1030	1090	1150	1190	1230	1280	1340	1420	1430	1440
5	787	830	873	904	938	971	1010	1070	1140	1145	1150