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General features : RCS2250406

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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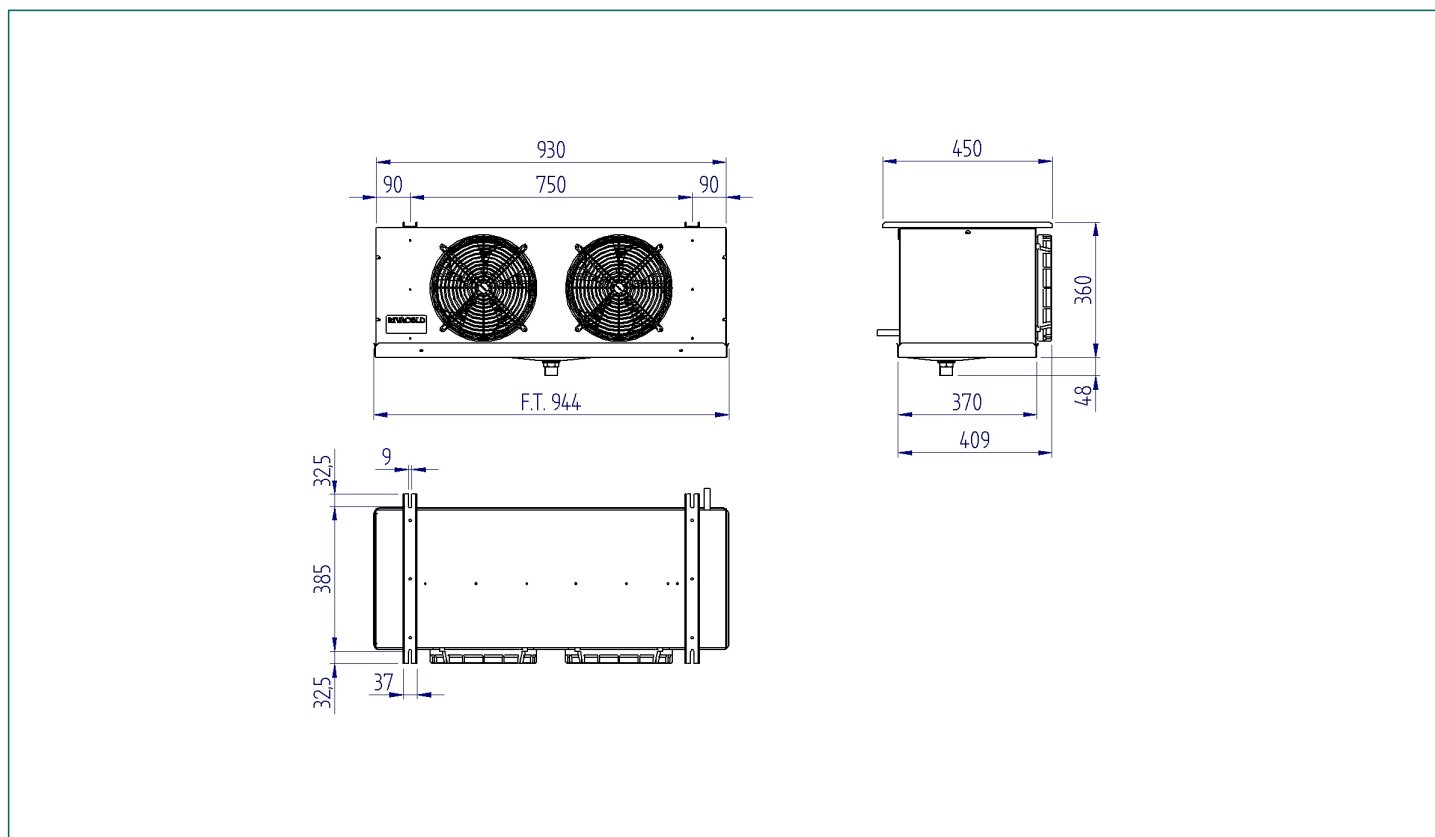
Product file : Unit coolers

Code	RCS2250406ED
Model	Ceiling cubic unit cooler
Range	RCS
Application	MBP
Net weight	22 kg
Inlet connection	12 mm-1/2" SAE
Outlet connection	16 mm
Drain connection	1" Gas (33mm)
Ped	0
Rows	4
Fin spacing	6
Circuit volume	3,16 dm ³
Total surface	9,6 m ²

Fan motor

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	1835 m ³ /h
Air throw	10 m

Technical drawing - RCS2250406



Refrigerating capacity table (watt) - Gas : R404A

dT \ Tc	-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	2380 ⁽¹⁾	2520	2660	2790	2950	2970	2990	3010	3030	3050	3130	3250
9	2140 ⁽¹⁾	2260	2370	2490	2620	2640	2660	2680	2710	2740	2780	2840
8	1880 ⁽¹⁾	1980	2040	2140	2260	2270	2290	2310	2330	2360	2400	2460
7	1620 ⁽¹⁾	1690	1740	1820	1920	1930	1940	1950	1970	2000	2040	2100
6	1340 ⁽¹⁾	1380	1440	1510	1600	1610	1620	1640	1660	1690	1720	1765
5	1060 ⁽¹⁾	1090	1140	1200	1280	1290	1300	1310	1340	1370	1410	1470

(1) Applicazione fuori dal campo consigliato