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## General features : RCS2250608

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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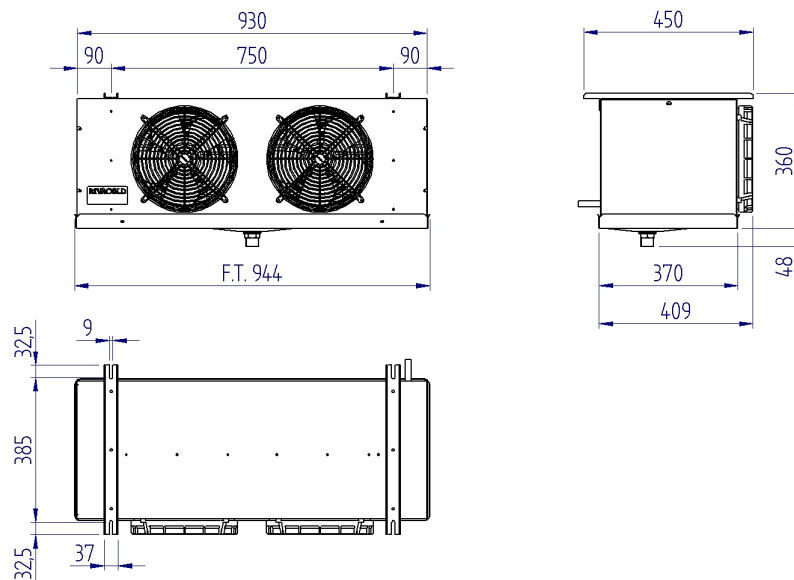
### Product file : Unit coolers

Code	RCS2250608ED
Model	Ceiling cubic unit cooler
Range	RCS
Application	LBP
Net weight	22,3 kg
Inlet connection	12 mm-1/2" SAE
Outlet connection	16 mm
Drain connection	1" Gas (33mm)
Ped	0
Rows	6
Fin spacing	8
Circuit volume	4,75 dm <sup>3</sup>
Total surface	11,2 m <sup>2</sup>

### 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	1748 m <sup>3</sup> /h
Air throw	10 m

## Technical drawing - RCS2250608



## 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	1480	1710	1940	2200	2440	2610	2810	3000	3210	3260	3300
9	1330	1570	1810	2030	2230	2380	2540	2710	2900	2930	2960
8	1240	1450	1660	1850	2000	2120	2260	2400	2570	2600	2620
7	1150	1320	1490	1640	1740	1850	1960	2080	2230	2240	2260
6	1030	1160	1290	1390	1490	1570	1660	1770	1900	1920	1950
5	884	982	1080	1140	1210	1280	1350	1440	1560	1570	1600