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General features : RCS1250408

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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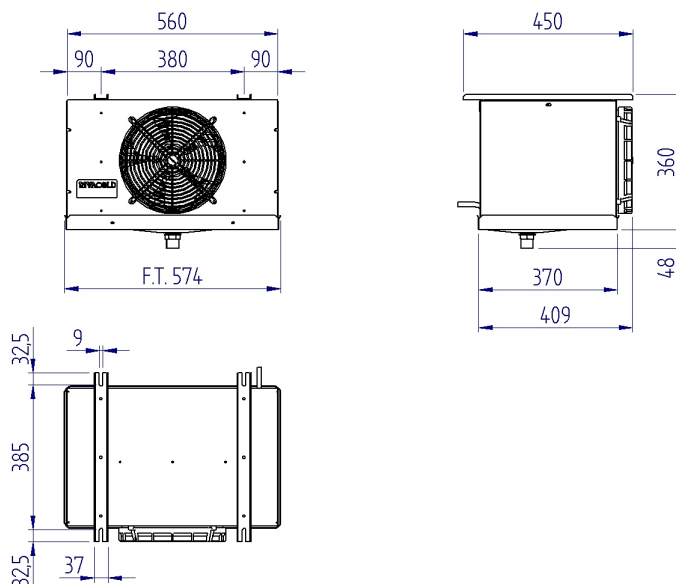
Product file : Unit coolers

Code	RCS1250408ED
Model	Ceiling cubic unit cooler
Range	RCS
Application	LBP
Net weight	13,6 kg
Inlet connection	12 mm-1/2" SAE
Outlet connection	12 mm
Drain connection	1" Gas (33mm)
Ped	0
Rows	4
Fin spacing	8
Circuit volume	1,72 dm ³
Total surface	3,8 m ²

Fan motor

Type	AC
Fans no.	1
Diameter	254 mm
Power supply	230/1/50
Defrost	750 W
Speed	1300 rpm
Power consumption	80 W
Current consumption	0,35 A
Air flow	982 m ³ /h
Air throw	8 m

Technical drawing - RCS1250408



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	696	793	890	979	1050	1100	1160	1220	1280	1290	1300
9	648	732	816	888	946	986	1030	1080	1140	1150	1160
8	598	665	732	788	834	866	904	948	998	1005	1010
7	535	587	639	682	709	739	772	807	852	855	860
6	464	502	540	565	589	613	640	672	712	715	720
5	383	408	433	448	466	485	506	535	570	575	580