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## General features : RCS3250408

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 fan 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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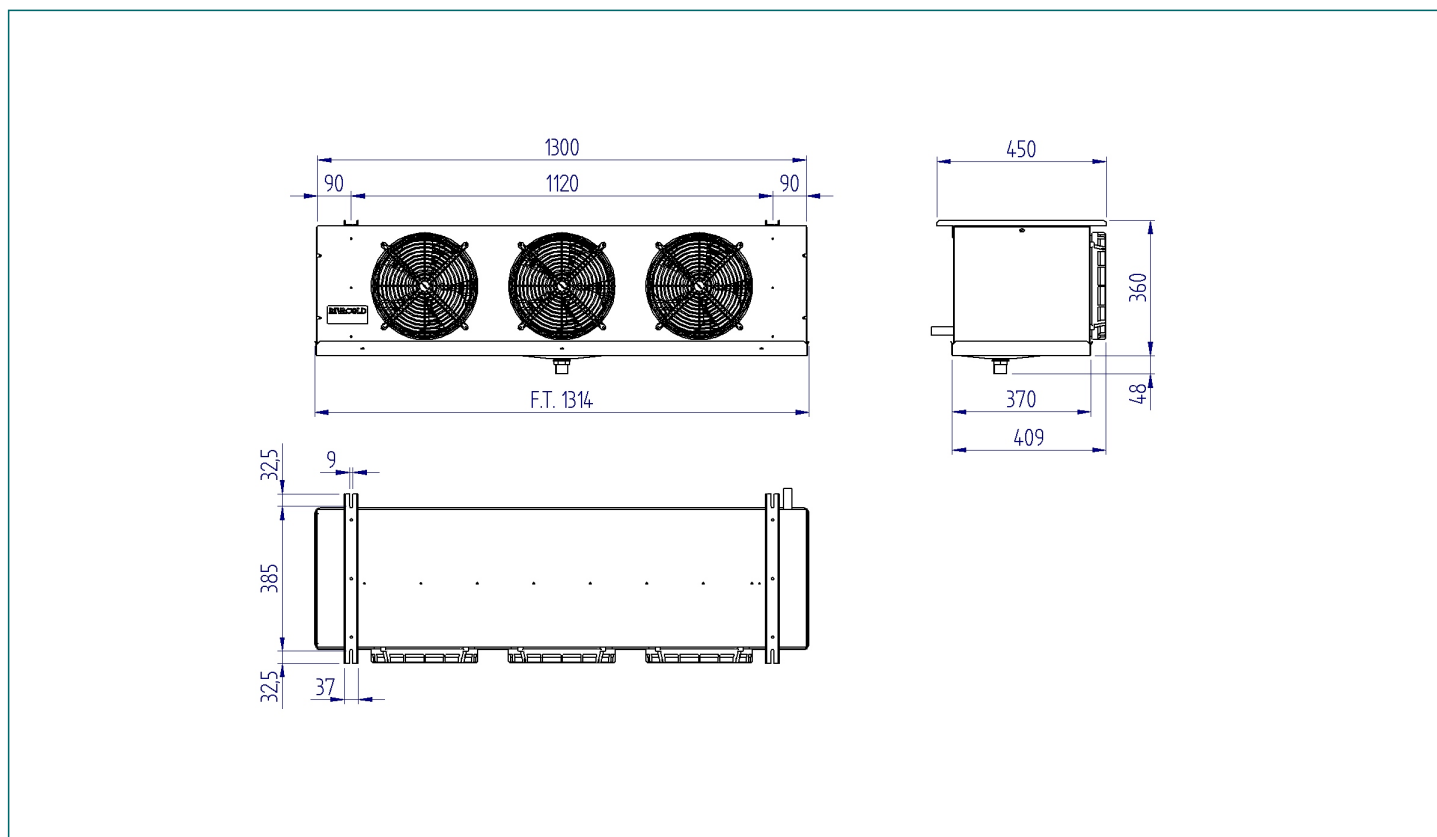
### Product file : Unit coolers

Code	RCS3250408ED
Model	Ceiling cubic unit cooler
Range	RCS
Application	LBP
Net weight	28,9 kg
Inlet connection	12 mm-1/2" SAE
Outlet connection	22 mm
Drain connection	1" Gas (33mm)
Ped	0
Rows	4
Fin spacing	8
Circuit volume	4,61 dm <sup>3</sup>
Total surface	11,1 m <sup>2</sup>

### Fan motor

Type	AC
Fans no.	3
Diameter	254 mm
Power supply	230/1/50
Defrost	1950 W
Speed	1300 rpm
Power consumption	240 W
Current consumption	1,05 A
Air flow	2947 m <sup>3</sup> /h
Air throw	14 m

## Technical drawing - RCS3250408



## 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	2320	2590	2860	3050	3230	3390	3540	3690	3870	3900	3910
9	2150	2370	2590	2750	2890	3020	3140	3280	3440	3460	3480
8	1970	2130	2290	2420	2530	2630	2740	2860	3000	3010	3030
7	1720	1850	1980	2080	2160	2240	2330	2430	2550	2560	2570
6	1470	1560	1650	1730	1790	1850	1920	2010	2130	2140	2160
5	1180	1250	1320	1360	1410	1460	1520	1600	1700	1710	1720