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General features : RCS4250608

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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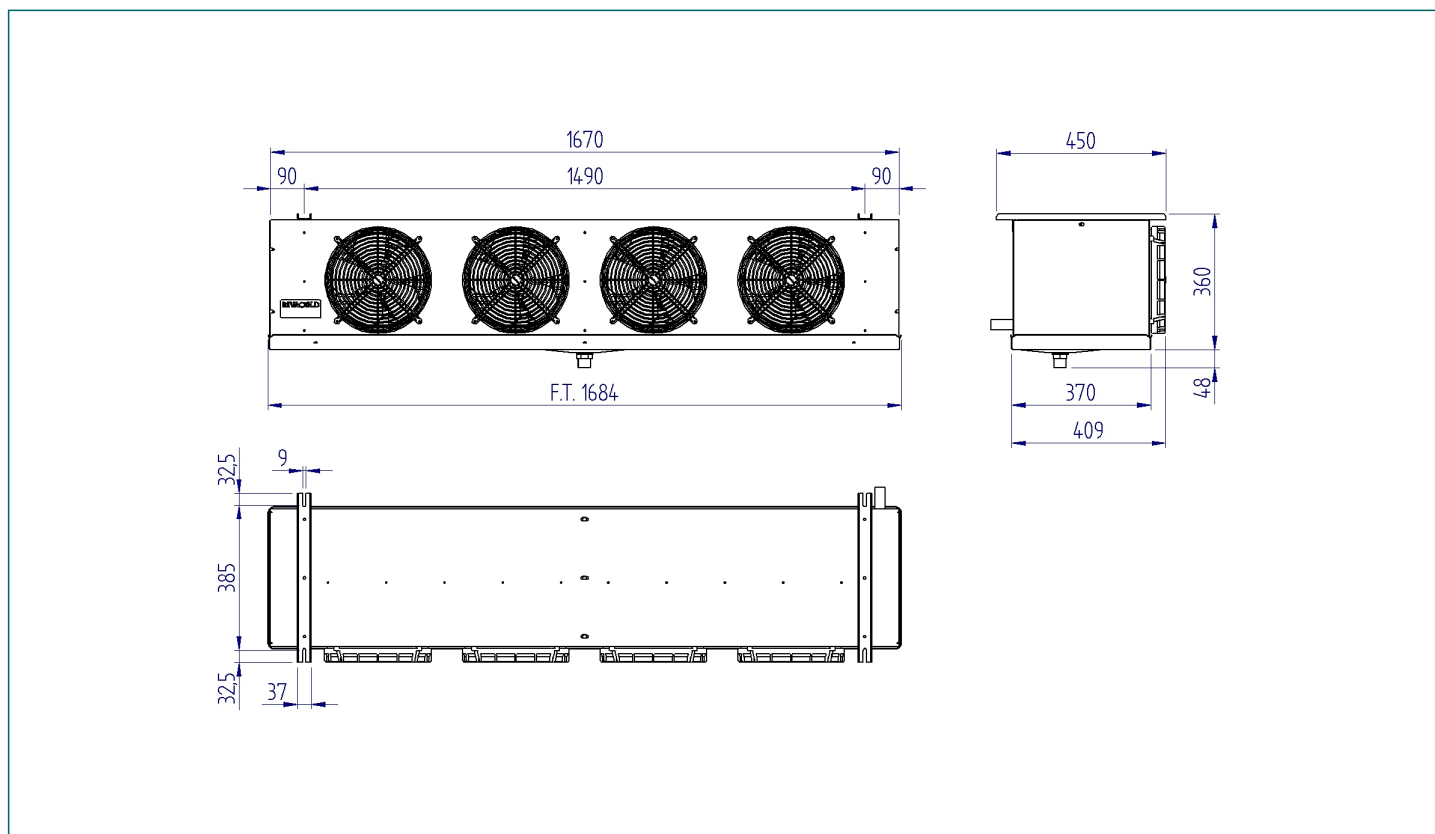
Product file : Unit coolers

Code	RCS4250608ED
Model	Ceiling cubic unit cooler
Range	RCS
Application	LBP
Net weight	41,2 kg
Inlet connection	16 mm-5/8" SAE
Outlet connection	28 mm
Drain connection	1" Gas (33mm)
Ped	0
Rows	6
Fin spacing	8
Circuit volume	9,1 dm ³
Total surface	22,2 m ²

Fan motor

Type	AC
Fans no.	4
Diameter	254 mm
Power supply	230/1/50
Defrost	2700 W
Speed	1300 rpm
Power consumption	320 W
Current consumption	1,4 A
Air flow	3496 m ³ /h
Air throw	15 m

Technical drawing - RCS4250608



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	2970	3510	4050	4560	5010	5340	5710	6080	6490	6580	6650
9	2810	3290	3770	4200	4520	4840	5160	5480	5840	5910	5970
8	2620	3030	3440	3800	4050	4320	4570	4850	5180	5220	5260
7	2410	2740	3070	3310	3540	3750	3970	4200	4480	4510	4530
6	2190	2410	2630	2840	3010	3180	3350	3560	3810	3860	3910
5	1860	2020	2180	2320	2450	2570	2720	2900	3120	3160	3200