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## General features : RS3180B

RS 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

RS range unit coolers are available in two main versions: the one suited for high temperature (differentiated fin spacing 3,5/7mm); the other version suited for medium and low temperature application (differentiated fin spacing 4,5/9mm).

In models for high temperature the version with the fitted defrosting heater is not available; for these models the heaters are optional items and they will be supplied not mounted.

The models for medium and low temperature application are available in the version supplied without defrosting heater (mod. RS...B) and with defrosting heater mounted and wired on the unit cooler's terminal box as well (mod. RS...BED).

The coil is made of aluminium fins and 3/8" copper tube with geometry 25x22

It is 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

Draw through air flow

Fan guard made of plastic and brackets made of steel

Fan diameter 200mm, 34° inclination

Power supply 220-240V/1/50-60Hz

IP42 protection rate

Operating temperature from -40°C to +40°C

B insulation class

It is tested with nitrogen at a pressure of 25 bar

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

The B and BED models are supplied with fitted drip tray



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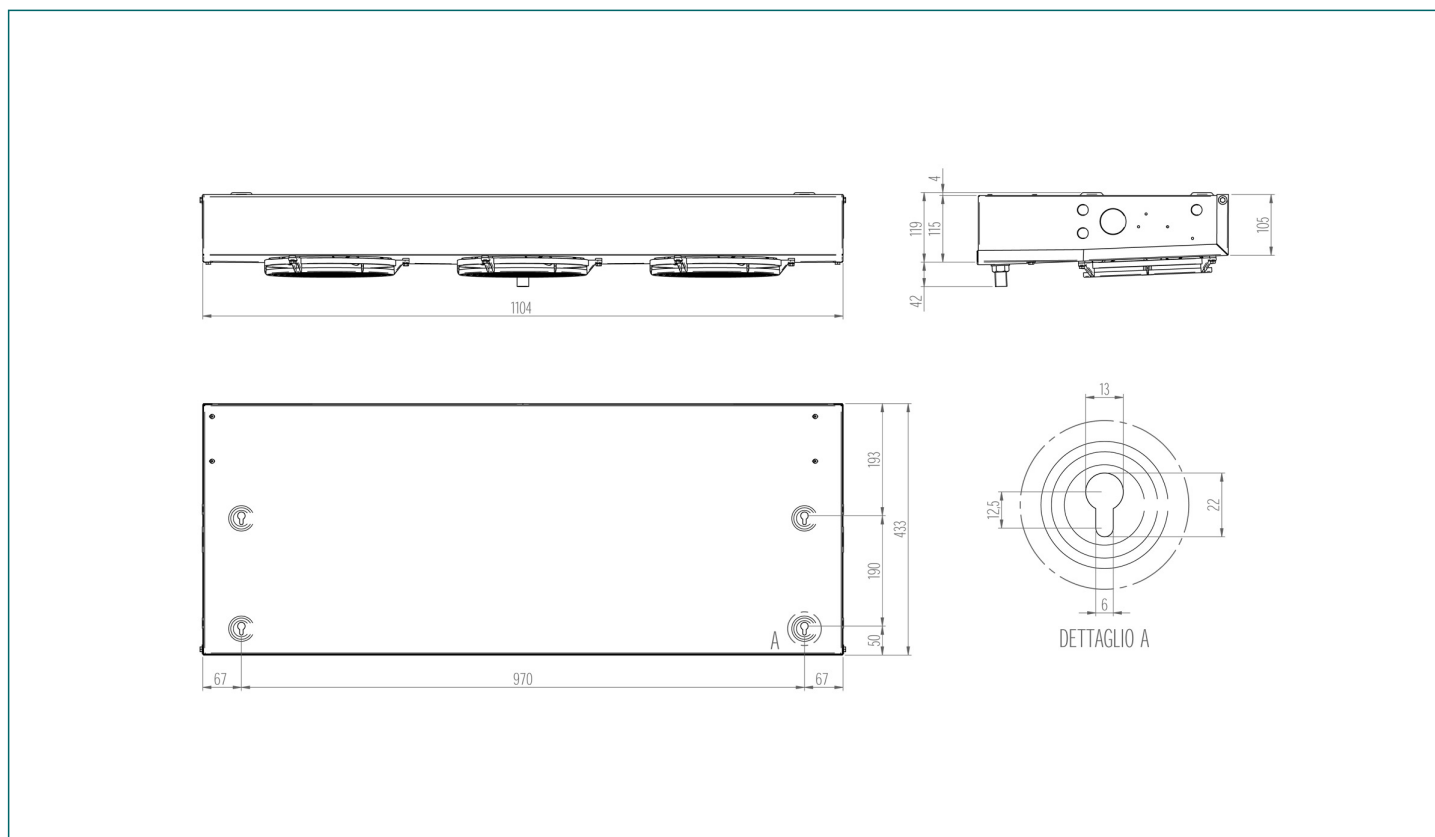
## Product file : Unit coolers

Code	RS3180BED
Model	Ceiling
Range	RS
Application	LBP
Net weight	11 kg
Inlet connection	12 mm-1/2" SAE
Outlet connection	16 mm
Drain connection	1/2" Gas (20mm)
Ped	0
Rows	4
Fin spacing	4,5/9
Circuit volume	1,15 dm <sup>3</sup>
Total surface	3,82 m <sup>2</sup>

## Fan motor

Type	AC
Fans no.	3
Diameter	200 mm
Power supply	220-240/1/50-60
Defrost	1000 W
Speed	1300 rpm
Power consumption	129 W
Current consumption	0,75 A
Air flow	773 m <sup>3</sup> /h
Air throw	3 m

## Technical drawing - RS3180B



## Refrigerating capacity table (watt) - Gas : R404A

dT \ Tc	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C
10	849	920	991	1060	1110	1170	1200	1260	1330
9	764	828	892	945	990	1030	1060	1110	1180
8	684	735	786	826	861	882	919	964	1020
7	597	634	671	701	726	742	773	811	861
6	499	524	549	569	588	600	626	659	702
5	386	400	414	427	434	449	470	497	532