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General features : RDF1250

RDF range unit coolers have been designed to be installed inside cold rooms suited for fresh and frozen goods storage

The main feature of this range is of throwing air from both sides; this allow the unit cooler to be placed in the middle of the cold room ceiling giving a uniform air flow and, as a result, the best product conservation

RDF range is available in two different fan diameters and three types of fin spacing according to the needed application

The ED version is supplied with mounted defrosting heaters and is suitable for being used at low temperature applications

The range consists of two types of coils , both made of aluminium fins and copper tube: 3/8" tube size with a geomet

The model types having 250 mm fan diameter are fitted with a coil of 4,5 mm / 9 mm fin spacing, suited for applications with a cold room temperature (Tc) from -30°C to +10°C

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

IP42 protection rate

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

B insulation class

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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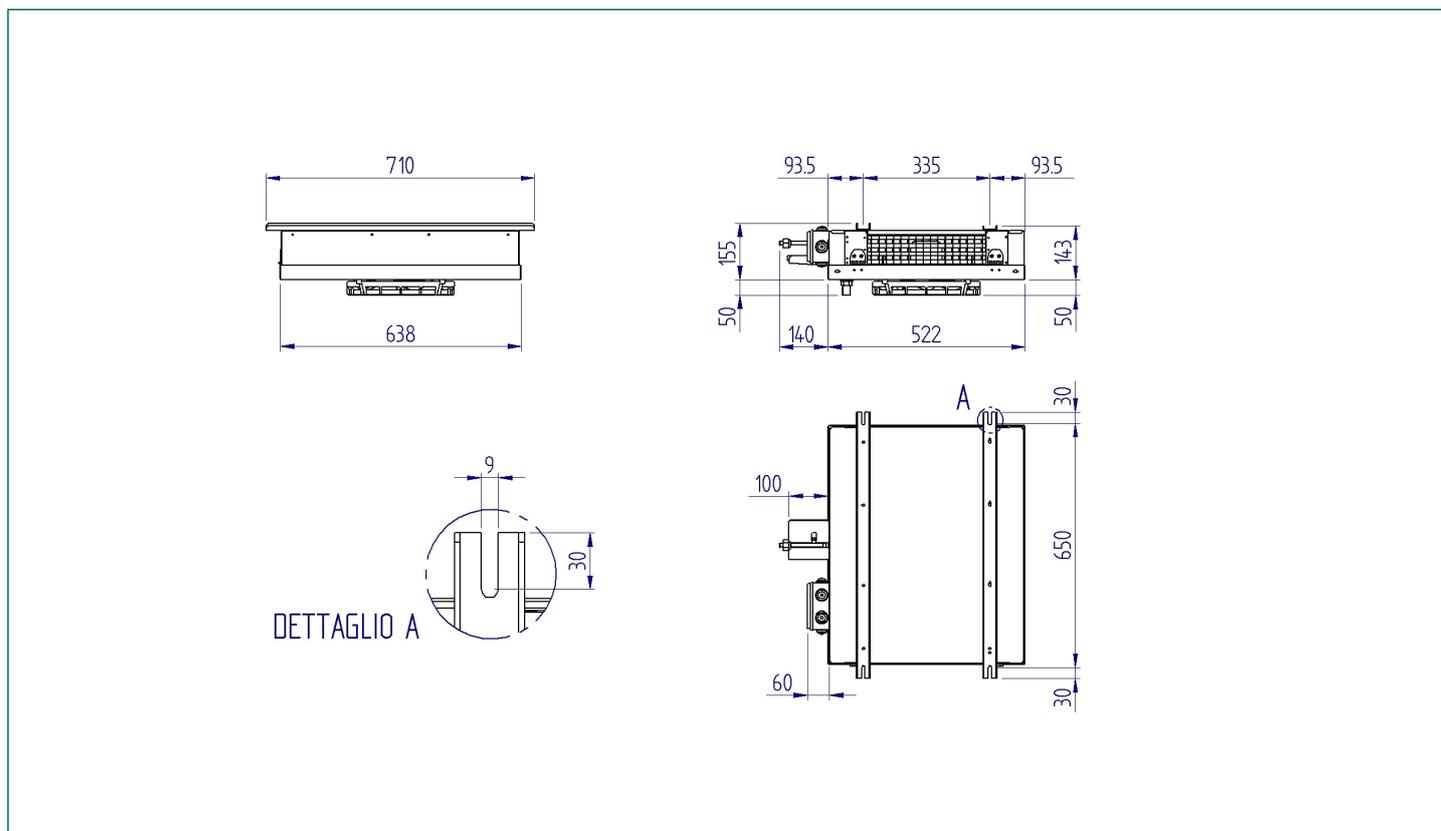
Product file : Unit coolers

| | |
|-------------------|-------------------------------|
| Code | RDF1250 |
| Model | Ceiling unit c. dual air flow |
| Range | RDF |
| Application | MBP |
| Net weight | 11,6 kg |
| Inlet connection | 10 mm - 1/2" SAE |
| Outlet connection | 12 mm |
| Drain connection | 1/2" Gas (20mm) |
| Ped | 0 |
| Rows | 4 |
| Fin spacing | 4,5 / 9 |
| Circuit volume | 1,1 dm ³ |
| Total surface | 3,55 m ² |

Fan motor

| | |
|---------------------|-----------------------|
| Type | AC |
| Fans no. | 1 |
| Diameter | 254 mm |
| Power supply | 220-240/1/50-60 |
| Speed | 1300 rpm |
| Power consumption | 60 W |
| Current consumption | 0,5 A |
| Air flow | 483 m ³ /h |
| Air throw | 2x3 m |

Technical drawing - RDF1250



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 | 2°C | 4°C | 6°C | 8°C | 10°C | 12°C | 15°C |
|---------|--------------------|--------------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 10 | 734 ⁽¹⁾ | 805 ⁽¹⁾ | 873 | 930 | 961 | 1000 | 1030 | 1080 | 1150 | 1160 | 1170 | 1190 | 1200 | 1220 | 1250 | 1295 |
| 9 | 674 ⁽¹⁾ | 735 ⁽¹⁾ | 792 | 824 | 860 | 896 | 918 | 966 | 1030 | 1040 | 1050 | 1060 | 1080 | 1100 | 1130 | 1175 |
| 8 | 608 ⁽¹⁾ | 660 ⁽¹⁾ | 704 | 727 | 757 | 773 | 805 | 846 | 902 | 910 | 920 | 930 | 940 | 967 | 992 | 1030 |
| 7 | 536 ⁽¹⁾ | 576 ⁽¹⁾ | 608 | 626 | 649 | 661 | 689 | 725 | 770 | 780 | 790 | 800 | 813 | 833 | 854 | 886 |
| 6 | 458 ⁽¹⁾ | 487 ⁽¹⁾ | 504 | 522 | 540 | 551 | 575 | 608 | 650 | 660 | 670 | 680 | 693 | 713 | 734 | 766 |
| 5 | 374 ⁽¹⁾ | 388 ⁽¹⁾ | 403 | 417 | 423 | 440 | 461 | 490 | 531 | 540 | 550 | 560 | 571 | 590 | 610 | 640 |

(1) Applicazione fuori dal campo consigliato