



IMMAGINE INDICATIVA PRODOTTO

## Needed Data for selection

Refrigerant	R744
Cold Room Temp.	3 °C
Requested capacity	2500 W
$\Delta T$	7 K

## Search results

Speed	1300 rpm
Total capacity	2674 W
Calculated $\Delta T$	7 K
Tolerance	7 %

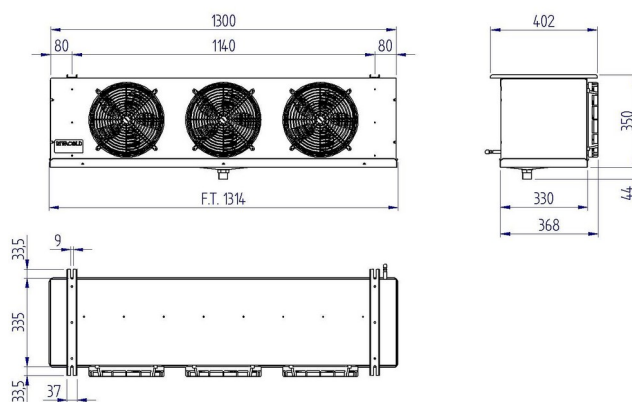
## Product file

Code	RCXB32504ED
Range	RCX
Model	Cubic
Application	MBP
PED	0
Rows number	4
Total surface	11.26 m <sup>2</sup>
Defrosting (Watt)	1950 W
Net weight	29.8 kg
Inlet connection	10 mm
Outlet connection	12 mm
Drain connection	1" Gas (33mm)
Fin spacing	5.3
Circuit volume	1.88 dm <sup>3</sup>

## Fan-motor

Type	Rotore esterno "ec"
Fan-motors no.	3
Diameter	254 mm
Power supply	230/1/50-60
Low speed	1200 rpm
High speed	1300 rpm
Power consumption	132 W
Current consumption	0.57 A
Air flow	2346 m <sup>3</sup> /h
Air throw	7.5 m

## Technical data - RCXB32504ED



**Refrigerating capacity table (W) - RCXB32504ED**
**High speed - RCXB32504ED**

<b>ΔT \ Cold room Temp</b>	<b>-40 °C</b>	<b>-35 °C</b>	<b>-30 °C</b>	<b>-25 °C</b>	<b>-20 °C</b>	<b>-15 °C</b>	<b>-10 °C</b>	<b>-5 °C</b>	<b>0 °C</b>	<b>2 °C</b>	<b>4 °C</b>	<b>6 °C</b>	<b>8 °C</b>	<b>10 °C</b>	<b>12 °C</b>	<b>15 °C</b>
<b>5 K</b>	1247 (1)	1247 (1)	1247	1247	1349	1451	1552	1654	1765	1875	1986	2096	2159	2221	2297	2372
<b>6 K</b>	1621 (1)	1638 (1)	1655	1672	1775	1878	1981	2084	2164	2244	2324	2404	2495	2585	2663	2741
<b>7 K</b>	1951 (1)	1989 (1)	2027	2065	2175	2285	2394	2504	2572	2640	2708	2776	2853	2930	3010	3089
<b>8 K</b>	2263 (1)	2324 (1)	2386	2447	2555	2663	2771	2879	2951	3024	3096	3168	3231	3294	3382	3470
<b>9 K</b>	2551 (1)	2629 (1)	2707	2785	2899	3014	3128	3242	3318	3395	3471	3547	3603	3658	3754	3850
<b>10 K</b>	2788 (1)	2891 (1)	2994	3097	3218	3340	3461	3582	3663	3745	3826	3907	3973	4039	4117	4194

(1) Application outside the recommended range

**Values referred to :**

Gas R744



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## General features

- RCX range unit coolers have been designed to be installed inside cold rooms suited for fresh and frozen goods storage.
- Their shape, being extremely compact, allows the installation also in cold rooms having very small dimensions.
- The ED version is supplied with mounted defrosting heaters and is suitable for being used at low temperature applications.
- The RCX range is supplied as standard with EC fan motors (Identified by the letter "B") and blade with special profile for combine higher efficiency and low absorption.
- The fan motors operate in the suction mode and prevent the condensate forming on the fan
- The heat exchangers of all the range have been designed for operating at a working pressure PS up to 75 bar: this value gives a big advantage in cases of the plant stop (it reduces possible needs of CO2 discharge) and also it enable the possible use of the same model for both low temperature coldrooms (-40°C) up to high temperature applications, close to the air conditioning limits (+15°C)

## COIL

- The coil is made of aluminium fins (fin spacing 5,3mm) and 5/16" increased thickness and 25x21,65 geometry. It is tested with nitrogen at a pressure of 75 bar.
- The coils are tested with nitrogen at a pressure of 75 bar.

## FAN MOTORS

- The fan motor models in use have the following features:
- EC fan motor
- Manufactured following EN 60335-1 laws, with internal thermal protection
- fan diameter 250 mm, 28° inclination with special profile: power supply 230V/1/50-60Hz, IP55 protection rate, B insulation class, operating temperature from -40°C to +50°C
- electrics made in conformity with 2006/95/CE low tension directive

## HOUSING

- 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.

## OPTIONAL

- Varnished coil
- Drainage pipe heater of 220V/1/50Hz voltage (for different voltages please contact our technical dept).