INDICATIVE PRODUCT IMAGE

Needed Data for selection

Refrigerant	R744
Cold Room Temp.	2 °C
Requested capacity	9000 W
ΔT	8 K

Search results

Speed	1450 rpm
Total capacity	9598 W
Calculated ΔT	8 K
Tolerance	6.6 %

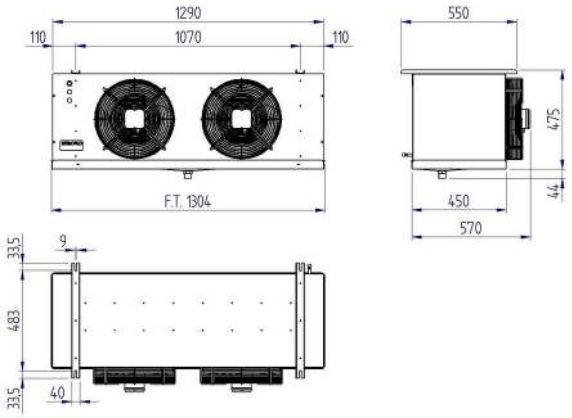
Product file

Code	RCMXB2350804ED
Range	RCMX
Model	Cubic
Application	HBP
PED	0
Rows number	8
Total surface	49.33 m²
Defrosting (Watt)	4200 W
Net weight	52.5 kg
Inlet connection	12 mm
Outlet connection	16 mm
Drain connection	1" Gas (33mm)
Fin spacing	4
Circuit volume	8.53 dm³

Fan-motor

Type	Rotore esterno "ec"
Fan-motors no.	2
Diameter	350 mm
Power supply	200-240/1/50-60
Low speed	950 rpm
High speed	1450 rpm
Power consumption	320 W
Current consumption	2.6 A
Air flow	4247.4 m³/h
Air throw	14 m

Technical data - RCMXB2350804ED



Refrigerating capacity table (W) - RCMXB2350804ED

High speed - RCMXB2350804ED

ΔT \ Cold room Temp	-5 °C	0 °C	2 °C	4 °C	6 °C	8 °C	10 °C	12 °C	15 °C
5 K	5041	5485 (1)	5928	6372	6815	7097	7379	7803	8227
6 K	6415	6739 (1)	7064	7388	7712	8090	8467	8860	9253
7 K	7816 (1)	8086 (1)	8356	8625	8895	9188	9480	9853	10226
8 K	9072 (1)	9335 (1)	9598	9860	10123	10372	10620	11006	11391
9 K	10218 (1)	10506 (1)	10793	11081	11368	11540	11712	12105	12498
10 K	11279 (1)	11585 (1)	11891	12196	12502	12750	12997	13265	13533

(1) Application outside the recommended range

Values refered to :
Gas R744

INDICATIVE PRODUCT IMAGE

General features

• RCMX ø350 range unit coolers have been designed to be installed inside cold rooms suited for fresh and frozen goods storage.
• This range completes the RCX range applications and though having extremely compact dimensions, reaches bigger capacities suited for medium size cold rooms.
• RCMX ø350 range is available in different combinations of fin spacing dimensions and tube raws 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 RCMX range is supplied as standard with EC fan motors (identified by the letter “B”) and blade with special profile for combine higher efficency 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 80 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 si made in aluminuim fins, 12mm K65 increased thickness copper tube and a geometry of 37,5 x 32,5.
• The technical features of the K65 copper tube allow to bear the higher mechanical stress of the RCMX.
• 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.
• The coils are tested with nitrogen at a pressure of 80 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 350 mm, external rotor
• power supply 200-240V/1/50-60Hz
• IP54 protection rate
• B insulation class
• operating temperature from -40°C to +40°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.