



INDICATIVE PRODUCT IMAGE

1.889,33 €

Product file

Code	RCMRKB2350808ED
Refrigerant	R454C mid
Application	LBP
Series	RCMRKB
Net weight	50 kg
Ped	0
Type	VENTILATED
Typology	Cubic

Evaporator

Fan-motors no.	2
Fan blade diameter	350 mm
Fan-motor type	EC external rotor
Fan-motor voltage	200-240/1/50-60
Max velocity	1600 rpm
Min velocity	850 rpm
Air throw (high velocity)	14 m
Air throw (low velocity)	11 m
Evaporator air flow (high velocity)	4259 m³/h
Evaporator air flow (low velocity)	2574 m³/h

Evaporator geometry

Geometry	37.5 X 32.475
Tube	TUBE 12
Rows	8
Finned pack length	1050 mm
Fine spacing	8.00 mm
Total surface	26.00 m²
Circuit volume	10.60 dm³

Absorptions

Power absorption (high velocity)	230 W
Power absorption (low velocity)	78 W
Current absorption (high velocity)	1.72 A
Current absorption (low velocity)	0.64 A
Number of heaters	6
Heaters voltage	400/3/50-60
Defrost	4200 W

Pipe fittings

Inlet connection	16 mm-5/8" sae
Outlet connection	28 mm
Discharge connection	1" Gas (33mm)

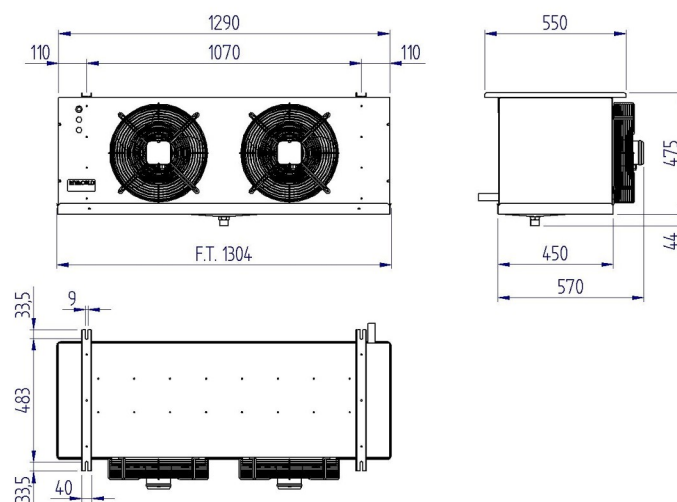
Refrigeration capacity table – RCMRKB2350808ED – Refrigerant: R454C mid

Cell temperature	ΔT	Capacity	Speed	Limitations
-40 °C	9 K	4659 W	High speed	Application outside the recommended range
-40 °C	10 K	4941 W	High speed	Application outside the recommended range
-40 °C	11 K	5223 W	High speed	Application outside the recommended range
-40 °C	12 K	5506 W	High speed	Application outside the recommended range
-40 °C	13 K	5787 W	High speed	Application outside the recommended range
-40 °C	14 K	6069 W	High speed	Application outside the recommended range
-40 °C	15 K	6351 W	High speed	Application outside the recommended range
-35 °C	9 K	5305 W	High speed	-
-35 °C	10 K	5632 W	High speed	-
-35 °C	11 K	5961 W	High speed	-
-35 °C	12 K	6288 W	High speed	-
-35 °C	13 K	6615 W	High speed	-
-35 °C	14 K	6943 W	High speed	-
-35 °C	15 K	7270 W	High speed	-
-30 °C	9 K	5933 W	High speed	-
-30 °C	10 K	6351 W	High speed	-
-30 °C	11 K	6770 W	High speed	-
-30 °C	12 K	7189 W	High speed	-
-30 °C	13 K	7607 W	High speed	-
-30 °C	14 K	8026 W	High speed	-
-30 °C	15 K	8444 W	High speed	-
-25 °C	9 K	6479 W	High speed	-
-25 °C	10 K	7007 W	High speed	-
-25 °C	11 K	7534 W	High speed	-
-25 °C	12 K	8062 W	High speed	-
-25 °C	13 K	8590 W	High speed	-
-25 °C	14 K	9118 W	High speed	-
-25 °C	15 K	9646 W	High speed	-
-20 °C	9 K	6943 W	High speed	-
-20 °C	10 K	7553 W	High speed	-
-20 °C	11 K	8162 W	High speed	-
-20 °C	12 K	8772 W	High speed	-
-20 °C	13 K	9382 W	High speed	-
-20 °C	14 K	9991 W	High speed	-
-20 °C	15 K	10602 W	High speed	-
-15 °C	9 K	7352 W	High speed	-
-15 °C	10 K	8026 W	High speed	-
-15 °C	11 K	8699 W	High speed	-
-15 °C	12 K	9373 W	High speed	-
-15 °C	13 K	10046 W	High speed	-
-15 °C	14 K	10719 W	High speed	-
-15 °C	15 K	11393 W	High speed	-
-10 °C	9 K	7753 W	High speed	-
-10 °C	10 K	8490 W	High speed	-
-10 °C	11 K	9227 W	High speed	-
-10 °C	12 K	9965 W	High speed	-
-10 °C	13 K	10701 W	High speed	-
-10 °C	14 K	11438 W	High speed	-
-10 °C	15 K	12175 W	High speed	-

Cell temperature	ΔT	Capacity	Speed	Limitations
-5 °C	9 K	8208 W	High speed	-
-5 °C	10 K	8981 W	High speed	-
-5 °C	11 K	9755 W	High speed	-
-5 °C	12 K	10528 W	High speed	-
-5 °C	13 K	11302 W	High speed	-
-5 °C	14 K	12075 W	High speed	-
-5 °C	15 K	12849 W	High speed	-
0 °C	9 K	8763 W	High speed	-
0 °C	10 K	9555 W	High speed	-
0 °C	11 K	10346 W	High speed	-
0 °C	12 K	11138 W	High speed	-
0 °C	13 K	11930 W	High speed	-
0 °C	14 K	12721 W	High speed	-
0 °C	15 K	13514 W	High speed	-
2 °C	9 K	8899 W	High speed	-
2 °C	10 K	9737 W	High speed	-
2 °C	11 K	10574 W	High speed	-
2 °C	12 K	11411 W	High speed	-
2 °C	13 K	12248 W	High speed	-
2 °C	14 K	13085 W	High speed	-
2 °C	15 K	13923 W	High speed	-
4 °C	9 K	9009 W	High speed	-
4 °C	10 K	9828 W	High speed	-
4 °C	11 K	10647 W	High speed	-
4 °C	12 K	11466 W	High speed	-
4 °C	13 K	12285 W	High speed	-
4 °C	14 K	13104 W	High speed	-
4 °C	15 K	13923 W	High speed	-

*For refrigerants with high glide, the DeltaT at mid-point cannot be too low:
there is a risk that the refrigerant outlet temperature, taking into account the necessary superheating, will be too close to the air inlet temperature;
If this were to occur, the exchanger could not function.*

Technical drawings – RCMRKB2350808ED





INDICATIVE PRODUCT IMAGE

• GENERAL FEATURES

- RCMR ø350 range unit coolers have been designed to be installed inside cold rooms suited for fresh and frozen goods storage
- This range completes the RC and RCS range applications and though having extremely compact dimensions, reaches bigger capacities suited for medium size cold rooms
- RCMR ø350 range is available in different combinations of fin spacing dimensions and tube rows properly sized according to the needed applications
- The RCMRKB range is supplied as standard with EC fan motors (Identified by the letter "B") and blade with special profile for combining higher efficiency and low absorption.
- Thermostat: system to be connected to the external contactor, to suspend the power supply to the defrosting heaters in the event of malfunction.
- 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
- RCMR ø350 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 25 bar.
- The fan motor models in use have the following features:
- Manufactured following EN 60335-1 laws, with internal thermal protection
- Fan diameter 350 mm, external rotor
- Power supply 230-240V/1/50-60Hz
- IP44 protection rate
- F insulation class
- operating temperature -40°C a +65°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