



INDICATIVE PRODUCT IMAGE

1.889,33 €

Product file

Code	RCMRKB2350808ED
Refrigerant	R452A
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 m ³ /h
Evaporator air flow (low velocity)	2574 m ³ /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 m ²
Circuit volume	10.60 dm ³

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)

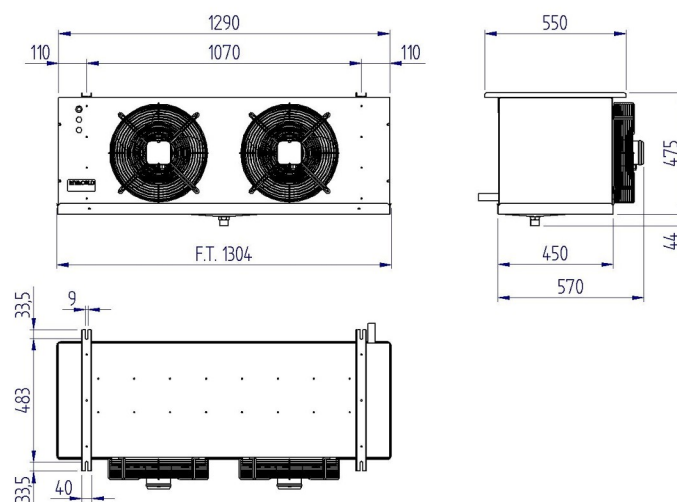
Refrigeration capacity table – RCMRKB2350808ED – Refrigerant: R452A

Cell temperature	ΔT	Capacity	Speed	Limitations
-40 °C	5 K	3850 W	High speed	Application outside the recommended range
-40 °C	6 K	4378 W	High speed	Application outside the recommended range
-40 °C	7 K	4851 W	High speed	Application outside the recommended range
-40 °C	8 K	5269 W	High speed	Application outside the recommended range
-40 °C	9 K	5632 W	High speed	Application outside the recommended range
-40 °C	10 K	5973 W	High speed	Application outside the recommended range
-35 °C	5 K	4224 W	High speed	-
-35 °C	6 K	4873 W	High speed	-
-35 °C	7 K	5446 W	High speed	-
-35 °C	8 K	5962 W	High speed	-
-35 °C	9 K	6413 W	High speed	-
-35 °C	10 K	6809 W	High speed	-
-30 °C	5 K	4543 W	High speed	-
-30 °C	6 K	5291 W	High speed	-
-30 °C	7 K	5973 W	High speed	-
-30 °C	8 K	6611 W	High speed	-
-30 °C	9 K	7172 W	High speed	-
-30 °C	10 K	7678 W	High speed	-
-25 °C	5 K	4807 W	High speed	-
-25 °C	6 K	5643 W	High speed	-
-25 °C	7 K	6424 W	High speed	-
-25 °C	8 K	7150 W	High speed	-
-25 °C	9 K	7832 W	High speed	-
-25 °C	10 K	8470 W	High speed	-
-20 °C	5 K	5038 W	High speed	-
-20 °C	6 K	5940 W	High speed	-
-20 °C	7 K	6798 W	High speed	-
-20 °C	8 K	7623 W	High speed	-
-20 °C	9 K	8393 W	High speed	-
-20 °C	10 K	9130 W	High speed	-
-15 °C	5 K	5214 W	High speed	-
-15 °C	6 K	6237 W	High speed	-
-15 °C	7 K	7139 W	High speed	-
-15 °C	8 K	8030 W	High speed	-
-15 °C	9 K	8888 W	High speed	-
-15 °C	10 K	9702 W	High speed	-
-10 °C	5 K	5522 W	High speed	-
-10 °C	6 K	6567 W	High speed	-
-10 °C	7 K	7513 W	High speed	-
-10 °C	8 K	8470 W	High speed	-
-10 °C	9 K	9372 W	High speed	-
-10 °C	10 K	10263 W	High speed	-
-5 °C	5 K	5907 W	High speed	-
-5 °C	6 K	6996 W	High speed	-
-5 °C	7 K	7964 W	High speed	-
-5 °C	8 K	8966 W	High speed	-
-5 °C	9 K	9922 W	High speed	-
-5 °C	10 K	10857 W	High speed	-
0 °C	5 K	6413 W	High speed	-

Cell temperature	ΔT	Capacity	Speed	Limitations
0 °C	6 K	7536 W	High speed	-
0 °C	7 K	8526 W	High speed	-
0 °C	8 K	9570 W	High speed	-
0 °C	9 K	10593 W	High speed	-
0 °C	10 K	11550 W	High speed	-
2 °C	5 K	6479 W	High speed	-
2 °C	6 K	7623 W	High speed	-
2 °C	7 K	8636 W	High speed	-
2 °C	8 K	9713 W	High speed	-
2 °C	9 K	10758 W	High speed	-
2 °C	10 K	11770 W	High speed	-
4 °C	5 K	6578 W	High speed	-
4 °C	6 K	7711 W	High speed	-
4 °C	7 K	8734 W	High speed	-
4 °C	8 K	9834 W	High speed	-
4 °C	9 K	10890 W	High speed	-
4 °C	10 K	11880 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