INDICATIVE PRODUCT IMAGE

2.391,45 €

Product file

Code	RCMRKB3350608ED
Refrigerant	R452A
Application	LBP
Series	RCMRKB
Net weight	52 kg
Ped	1 (R454C / R455A) - 0 (Gr. Fl. 2)
Type	VENTILATED
Typology	Cubic

Evaporator

Fan-motors no.	3
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)	18 m
Air throw (low velocity)	15 m
Evaporator air flow (high velocity)	6781 m³/h
Evaporator air flow (low velocity)	4030 m³/h

Evaporator geometry

Geometry	37.5 X 32.475
Tube	TUBE 12
Rows	6
Finned pack length	1500 mm
Fine spacing	8.00 mm
Total surface	27.90 m²
Circuit volume	11.10 dm³

Absorptions

Power absorption (high velocity)	345 W
Power absorption (low velocity)	117 W
Current absorption (high velocity)	2.58 A
Current absorption (low velocity)	0.96 A
Number of heaters	5
Heaters voltage	400/3/50-60
Defrost	5120 W

Pipe fittings

Inlet connection	22 mm
Outlet connection	35 mm
Discharge connection	1" Gas (33mm)

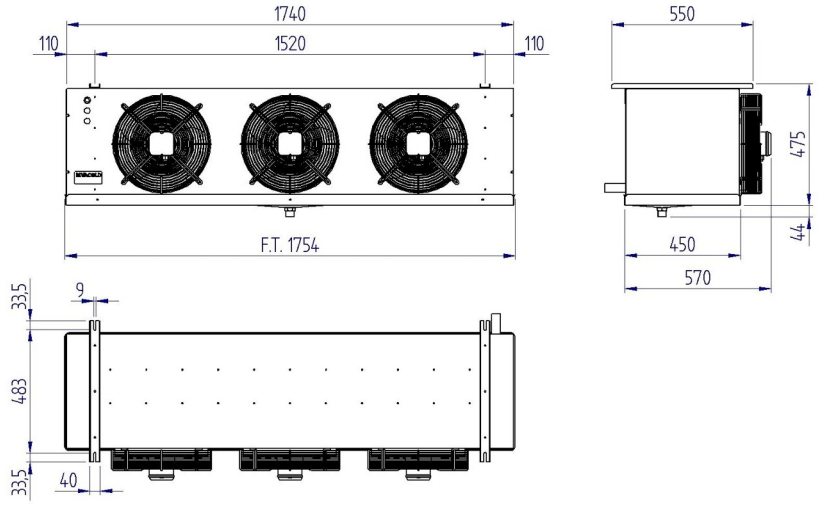
Refrigeration capacity table – RCMRKB3350608ED – Refrigerant: R452A

Cell temperature	ΔT	Capacity	Speed	Limitations
-40 °C	5 K	5137 W	High speed	Application outside the recommended range
-40 °C	6 K	5886 W	High speed	Application outside the recommended range
-40 °C	7 K	6578 W	High speed	Application outside the recommended range
-40 °C	8 K	7183 W	High speed	Application outside the recommended range
-40 °C	9 K	7733 W	High speed	Application outside the recommended range
-40 °C	10 K	8239 W	High speed	Application outside the recommended range
-35 °C	5 K	5566 W	High speed	-
-35 °C	6 K	6468 W	High speed	-
-35 °C	7 K	7293 W	High speed	-
-35 °C	8 K	8030 W	High speed	-
-35 °C	9 K	8690 W	High speed	-
-35 °C	10 K	9284 W	High speed	-
-30 °C	5 K	5929 W	High speed	-
-30 °C	6 K	6963 W	High speed	-
-30 °C	7 K	7920 W	High speed	-
-30 °C	8 K	8789 W	High speed	-
-30 °C	9 K	9603 W	High speed	-
-30 °C	10 K	10340 W	High speed	-
-25 °C	5 K	6216 W	High speed	-
-25 °C	6 K	7348 W	High speed	-
-25 °C	7 K	8404 W	High speed	-
-25 °C	8 K	9416 W	High speed	-
-25 °C	9 K	10384 W	High speed	-
-25 °C	10 K	11220 W	High speed	-
-20 °C	5 K	6424 W	High speed	-
-20 °C	6 K	7678 W	High speed	-
-20 °C	7 K	8833 W	High speed	-
-20 °C	8 K	9944 W	High speed	-
-20 °C	9 K	11000 W	High speed	-
-20 °C	10 K	11990 W	High speed	-
-15 °C	5 K	6699 W	High speed	-
-15 °C	6 K	7920 W	High speed	-
-15 °C	7 K	9119 W	High speed	-
-15 °C	8 K	10296 W	High speed	-
-15 °C	9 K	11550 W	High speed	-
-15 °C	10 K	12650 W	High speed	-
-10 °C	5 K	7051 W	High speed	-
-10 °C	6 K	8316 W	High speed	-
-10 °C	7 K	9537 W	High speed	-
-10 °C	8 K	10780 W	High speed	-
-10 °C	9 K	11990 W	High speed	-
-10 °C	10 K	13200 W	High speed	-
-5 °C	5 K	7502 W	High speed	-
-5 °C	6 K	8800 W	High speed	-
-5 °C	7 K	10066 W	High speed	-
-5 °C	8 K	11330 W	High speed	-
-5 °C	9 K	12650 W	High speed	-
-5 °C	10 K	13860 W	High speed	-
0 °C	5 K	8096 W	High speed	-

Cell temperature	ΔT	Capacity	Speed	Limitations
0 °C	6 K	9416 W	High speed	-
0 °C	7 K	10703 W	High speed	-
0 °C	8 K	12100 W	High speed	-
0 °C	9 K	13420 W	High speed	-
0 °C	10 K	14630 W	High speed	-
2 °C	5 K	8173 W	High speed	-
2 °C	6 K	9516 W	High speed	-
2 °C	7 K	10813 W	High speed	-
2 °C	8 K	12210 W	High speed	-
2 °C	9 K	13530 W	High speed	-
2 °C	10 K	14850 W	High speed	-
4 °C	5 K	8283 W	High speed	-
4 °C	6 K	9626 W	High speed	-
4 °C	7 K	10912 W	High speed	-
4 °C	8 K	12320 W	High speed	-
4 °C	9 K	13640 W	High speed	-
4 °C	10 K	14960 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 – RCMRKB3350608ED



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 fi n spacing dimensions and tube raws 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