



INDICATIVE PRODUCT IMAGE

2.364,23 €

Product file

Code	RSIKB43507ED
Refrigerant	R452A
Application	LBP
Series	RSIKB
Net weight	54 kg
Ped	0
Type	VENTILATED
Typology	Ceiling

Evaporator

Fan-motors no.	4
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)	13 m
Air throw (low velocity)	10 m
Evaporator air flow (high velocity)	6195 m³/h
Evaporator air flow (low velocity)	3749 m³/h

Evaporator geometry

Geometry	37.5 X 32.475
Tube	TUBE 12
Rows	6
Finned pack length	1950 mm
Fine spacing	7.00 mm
Total surface	24.40 m²
Circuit volume	8.83 dm³

Absorptions

Power absorption (high velocity)	460 W
Power absorption (low velocity)	156 W
Current absorption (high velocity)	3.44 A
Current absorption (low velocity)	1.28 A
Number of heaters	4
Heaters voltage	400/3/50-60
Defrost	5360 W

Pipe fittings

Inlet connection	12 mm-1/2" sae
Outlet connection	28 mm
Discharge connection	1" Gas (33mm)

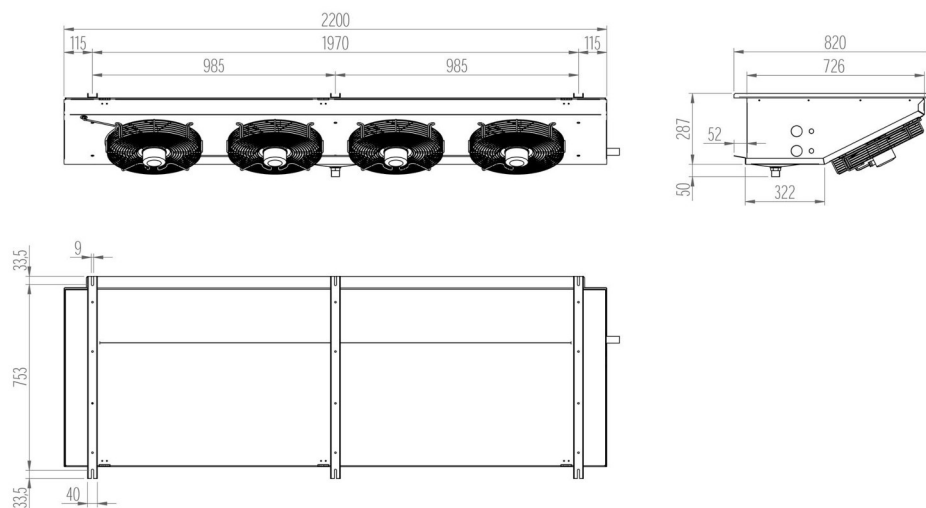
Refrigeration capacity table – RSIKB43507ED – Refrigerant: R452A

Cell temperature	ΔT	Capacity	Speed
-40 °C	5 K	3113 W	High speed
-40 °C	6 K	3795 W	High speed
-40 °C	7 K	4411 W	High speed
-40 °C	8 K	4950 W	High speed
-40 °C	9 K	5434 W	High speed
-40 °C	10 K	5852 W	High speed
-35 °C	5 K	3377 W	High speed
-35 °C	6 K	4180 W	High speed
-35 °C	7 K	4906 W	High speed
-35 °C	8 K	5555 W	High speed
-35 °C	9 K	6149 W	High speed
-35 °C	10 K	6655 W	High speed
-30 °C	5 K	3531 W	High speed
-30 °C	6 K	4488 W	High speed
-30 °C	7 K	5357 W	High speed
-30 °C	8 K	6138 W	High speed
-30 °C	9 K	6853 W	High speed
-30 °C	10 K	7502 W	High speed
-25 °C	5 K	3652 W	High speed
-25 °C	6 K	4697 W	High speed
-25 °C	7 K	5632 W	High speed
-25 °C	8 K	6622 W	High speed
-25 °C	9 K	7469 W	High speed
-25 °C	10 K	8261 W	High speed
-20 °C	5 K	3784 W	High speed
-20 °C	6 K	4818 W	High speed
-20 °C	7 K	5918 W	High speed
-20 °C	8 K	6919 W	High speed
-20 °C	9 K	7865 W	High speed
-20 °C	10 K	8756 W	High speed
-15 °C	5 K	3916 W	High speed
-15 °C	6 K	5005 W	High speed
-15 °C	7 K	6072 W	High speed
-15 °C	8 K	7128 W	High speed
-15 °C	9 K	8162 W	High speed
-15 °C	10 K	9141 W	High speed
-10 °C	5 K	4081 W	High speed
-10 °C	6 K	5203 W	High speed
-10 °C	7 K	6303 W	High speed
-10 °C	8 K	7436 W	High speed
-10 °C	9 K	8525 W	High speed
-10 °C	10 K	9592 W	High speed
-5 °C	5 K	4290 W	High speed
-5 °C	6 K	5434 W	High speed
-5 °C	7 K	6589 W	High speed
-5 °C	8 K	7766 W	High speed
-5 °C	9 K	8921 W	High speed
-5 °C	10 K	10043 W	High speed
0 °C	5 K	4543 W	High speed
0 °C	6 K	5731 W	High speed
0 °C	7 K	6897 W	High speed
0 °C	8 K	8151 W	High speed
0 °C	9 K	9361 W	High speed
0 °C	10 K	10538 W	High speed

Cell temperature	ΔT	Capacity	Speed
2 °C	5 K	4565 W	High speed
2 °C	6 K	5764 W	High speed
2 °C	7 K	6919 W	High speed
2 °C	8 K	8195 W	High speed
2 °C	9 K	9416 W	High speed
2 °C	10 K	10593 W	High speed
4 °C	5 K	4598 W	High speed
4 °C	6 K	5797 W	High speed
4 °C	7 K	6952 W	High speed
4 °C	8 K	8239 W	High speed
4 °C	9 K	9471 W	High speed
4 °C	10 K	10626 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 – RSIKB43507ED





INDICATIVE PRODUCT IMAGE

• GENERAL FEATURES

- RSI range unit coolers have been designed to be installed inside cold rooms suited for fresh and frozen goods storage.
- This range has the advantage of having extremely compact dimensions and at the same time gives capacities comparable to the RC range. This feature allows applications inside cold rooms with a minimum encumbrance in height
- RSI range is available in two different fan diameters and three types of fin spacing according to the needed application.
- The ED version is supplied with mounted defrosting heaters and is suitable for being used at low temperature applications.
- The model types having 350mm fan diameter are made of two different groups: models with 3,5mm fin spacing suited for cold room temperature (Tc) from -5°C to +15°C; models with 7mm fin spacing suited for cold room temperature (Tc) from -40°C to +4°C.
- The RSIKB 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 coil is made of aluminium fins and 3/8" copper tube with geometry 25x22
- It is 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
 - 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 73/23CEE 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