



INDICATIVE PRODUCT IMAGE

1.842,12 €

Product file

Code	RSIKB33507ED
Refrigerant	R452A
Application	LBP
Series	RSIKB
Net weight	45 kg
Ped	0
Type	VENTILATED
Typology	Ceiling

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)	12 m
Air throw (low velocity)	9 m
Evaporator air flow (high velocity)	4726 m ³ /h
Evaporator air flow (low velocity)	2870 m ³ /h

Evaporator geometry

Geometry	37.5 X 32.475
Tube	TUBE 12
Rows	6
Finned pack length	1500 mm
Fine spacing	7.00 mm
Total surface	18.80 m ²
Circuit volume	6.86 dm ³

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	4
Heaters voltage	400/3/50-60
Defrost	4096 W

Pipe fittings

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

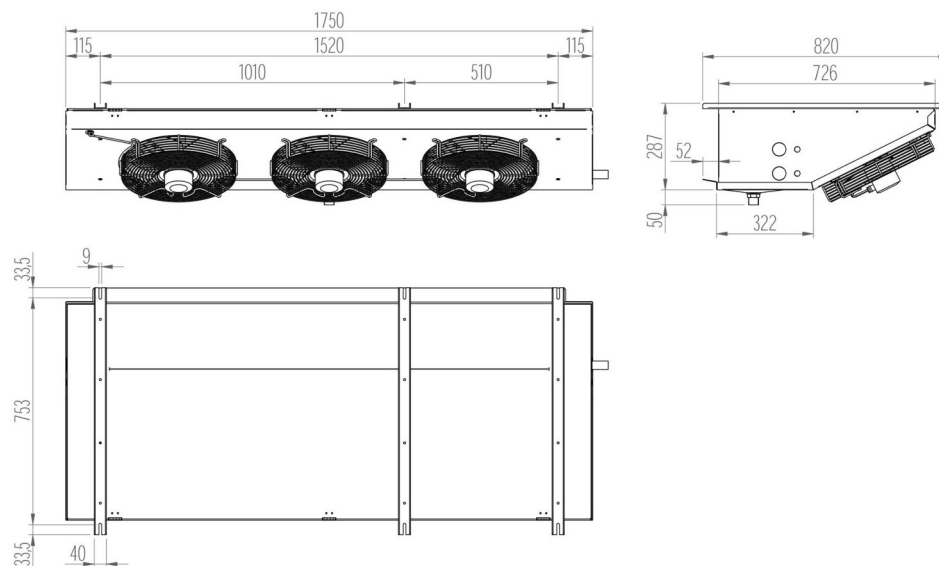
Refrigeration capacity table – RSIKB33507ED – Refrigerant: R452A

Cell temperature	ΔT	Capacity	Speed
-40 °C	5 K	2211 W	High speed
-40 °C	6 K	2640 W	High speed
-40 °C	7 K	3025 W	High speed
-40 °C	8 K	3333 W	High speed
-40 °C	9 K	3619 W	High speed
-40 °C	10 K	3872 W	High speed
-35 °C	5 K	2442 W	High speed
-35 °C	6 K	2970 W	High speed
-35 °C	7 K	3432 W	High speed
-35 °C	8 K	3839 W	High speed
-35 °C	9 K	4180 W	High speed
-35 °C	10 K	4488 W	High speed
-30 °C	5 K	2651 W	High speed
-30 °C	6 K	3267 W	High speed
-30 °C	7 K	3828 W	High speed
-30 °C	8 K	4334 W	High speed
-30 °C	9 K	4774 W	High speed
-30 °C	10 K	5170 W	High speed
-25 °C	5 K	2816 W	High speed
-25 °C	6 K	3509 W	High speed
-25 °C	7 K	4169 W	High speed
-25 °C	8 K	4763 W	High speed
-25 °C	9 K	5313 W	High speed
-25 °C	10 K	5808 W	High speed
-20 °C	5 K	2926 W	High speed
-20 °C	6 K	3729 W	High speed
-20 °C	7 K	4444 W	High speed
-20 °C	8 K	5126 W	High speed
-20 °C	9 K	5764 W	High speed
-20 °C	10 K	6358 W	High speed
-15 °C	5 K	3014 W	High speed
-15 °C	6 K	3861 W	High speed
-15 °C	7 K	4620 W	High speed
-15 °C	8 K	5445 W	High speed
-15 °C	9 K	6171 W	High speed
-15 °C	10 K	6853 W	High speed
-10 °C	5 K	3157 W	High speed
-10 °C	6 K	3982 W	High speed
-10 °C	7 K	4785 W	High speed
-10 °C	8 K	5588 W	High speed
-10 °C	9 K	6446 W	High speed
-10 °C	10 K	7194 W	High speed
-5 °C	5 K	3333 W	High speed
-5 °C	6 K	4191 W	High speed
-5 °C	7 K	5016 W	High speed
-5 °C	8 K	5874 W	High speed
-5 °C	9 K	6798 W	High speed
-5 °C	10 K	7601 W	High speed
0 °C	5 K	3542 W	High speed
0 °C	6 K	4433 W	High speed
0 °C	7 K	5291 W	High speed
0 °C	8 K	6204 W	High speed
0 °C	9 K	7194 W	High speed
0 °C	10 K	8052 W	High speed

Cell temperature	ΔT	Capacity	Speed
2 °C	5 K	3575 W	High speed
2 °C	6 K	4466 W	High speed
2 °C	7 K	5324 W	High speed
2 °C	8 K	6259 W	High speed
2 °C	9 K	7227 W	High speed
2 °C	10 K	8118 W	High speed
4 °C	5 K	3608 W	High speed
4 °C	6 K	4499 W	High speed
4 °C	7 K	5357 W	High speed
4 °C	8 K	6314 W	High speed
4 °C	9 K	7260 W	High speed
4 °C	10 K	8162 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 – RSIKB33507ED





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