INDICATIVE PRODUCT IMAGE

1.842,12 €

Product file

Code	RSIKB33507ED
Refrigerant	R454C mid
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 m³/h
Evaporator air flow (low velocity)	2870 m³/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 m²
Circuit volume	6.86 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	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)

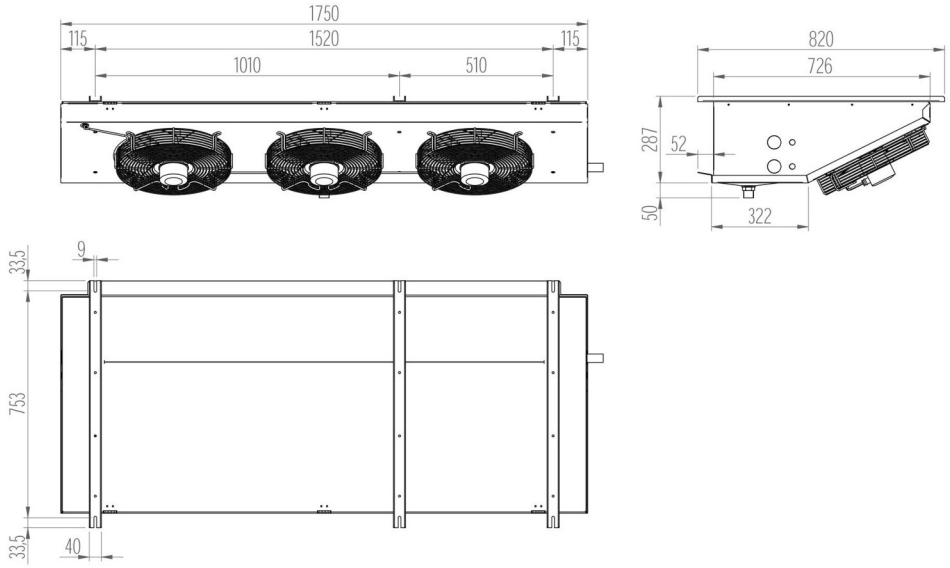
Refrigeration capacity table – RSIKB33507ED – Refrigerant: R454C mid

Cell temperature	ΔT	Capacity	Speed
-40 °C	9 K	2993 W	High speed
-40 °C	10 K	3203 W	High speed
-40 °C	11 K	3412 W	High speed
-40 °C	12 K	3621 W	High speed
-40 °C	13 K	3831 W	High speed
-40 °C	14 K	4040 W	High speed
-40 °C	15 K	4249 W	High speed
-35 °C	9 K	3458 W	High speed
-35 °C	10 K	3712 W	High speed
-35 °C	11 K	3967 W	High speed
-35 °C	12 K	4222 W	High speed
-35 °C	13 K	4477 W	High speed
-35 °C	14 K	4732 W	High speed
-35 °C	15 K	4986 W	High speed
-30 °C	9 K	3949 W	High speed
-30 °C	10 K	4277 W	High speed
-30 °C	11 K	4604 W	High speed
-30 °C	12 K	4932 W	High speed
-30 °C	13 K	5259 W	High speed
-30 °C	14 K	5587 W	High speed
-30 °C	15 K	5915 W	High speed
-25 °C	9 K	4395 W	High speed
-25 °C	10 K	4804 W	High speed
-25 °C	11 K	5214 W	High speed
-25 °C	12 K	5623 W	High speed
-25 °C	13 K	6033 W	High speed
-25 °C	14 K	6442 W	High speed
-25 °C	15 K	6852 W	High speed
-20 °C	9 K	4768 W	High speed
-20 °C	10 K	5259 W	High speed
-20 °C	11 K	5751 W	High speed
-20 °C	12 K	6242 W	High speed
-20 °C	13 K	6734 W	High speed
-20 °C	14 K	7225 W	High speed
-20 °C	15 K	7716 W	High speed
-15 °C	9 K	5105 W	High speed
-15 °C	10 K	5669 W	High speed
-15 °C	11 K	6233 W	High speed
-15 °C	12 K	6797 W	High speed
-15 °C	13 K	7361 W	High speed
-15 °C	14 K	7926 W	High speed
-15 °C	15 K	8490 W	High speed
-10 °C	9 K	5332 W	High speed
-10 °C	10 K	5951 W	High speed
-10 °C	11 K	6570 W	High speed
-10 °C	12 K	7189 W	High speed
-10 °C	13 K	7807 W	High speed
-10 °C	14 K	8426 W	High speed
-10 °C	15 K	9045 W	High speed
-5 °C	9 K	5623 W	High speed
-5 °C	10 K	6288 W	High speed
-5 °C	11 K	6952 W	High speed
-5 °C	12 K	7616 W	High speed
-5 °C	13 K	8281 W	High speed

Cell temperature	ΔT	Capacity	Speed
-5 °C	14 K	8945 W	High speed
-5 °C	15 K	9609 W	High speed
0 °C	9 K	5951 W	High speed
0 °C	10 K	6661 W	High speed
0 °C	11 K	7371 W	High speed
0 °C	12 K	8080 W	High speed
0 °C	13 K	8790 W	High speed
0 °C	14 K	9500 W	High speed
0 °C	15 K	10210 W	High speed
2 °C	9 K	5978 W	High speed
2 °C	10 K	6715 W	High speed
2 °C	11 K	7452 W	High speed
2 °C	12 K	8190 W	High speed
2 °C	13 K	8927 W	High speed
2 °C	14 K	9664 W	High speed
2 °C	15 K	10401 W	High speed
4 °C	9 K	6006 W	High speed
4 °C	10 K	6752 W	High speed
4 °C	11 K	7498 W	High speed
4 °C	12 K	8244 W	High speed
4 °C	13 K	8990 W	High speed
4 °C	14 K	9737 W	High speed
4 °C	15 K	10483 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 encumbrace 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