INDICATIVE PRODUCT IMAGE

Needed Data for selection

Refrigerant	R744
Cold Room Temp.	2 °C
Requested capacity	4000 W
ΔT	7 K

Search results

Speed	1450 rpm
Total capacity	3940 W
Calculated ΔT	7 K
Tolerance	-1.5 %

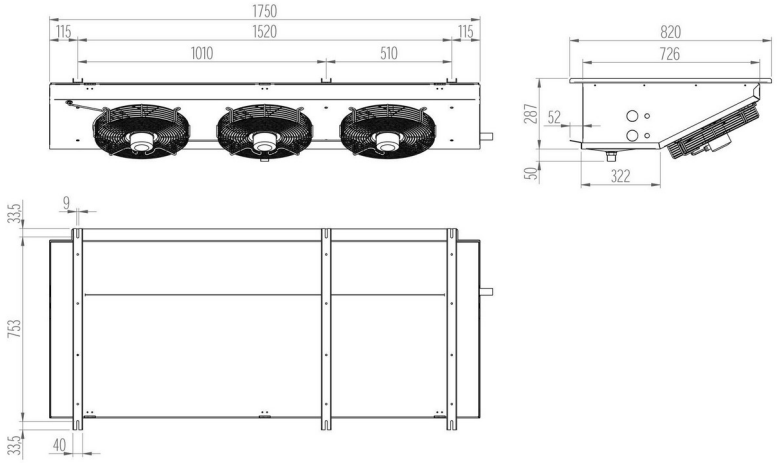
Product file

Code	RSIXB33507ED
Range	RSIX
Model	Ceiling
Application	LBP
PED	0
Rows number	6
Total surface	19.01 m²
Defrosting (Watt)	4096 W
Net weight	50.8 kg
Inlet connection	12 mm
Outlet connection	16 mm
Drain connection	1" Gas (33mm)
Fin spacing	7
Circuit volume	5.36 dm³

Fan-motor

Type	Rotore esterno ec
Fan-motors no.	3
Diameter	350 mm
Power supply	200-240/1/50-60
Low speed	950 rpm
High speed	1450 rpm
Power consumption	480 W
Current consumption	3.9 A
Air flow	5167.8 m³/h
Air throw	12.5 m

Technical data - RSIXB33507ED



Refrigerating capacity table (W) - RSIXB33507ED

ΔT \ Cold room Temp	-40 °C	-35 °C	-30 °C	-25 °C	-20 °C	-15 °C	-10 °C	-5 °C	0 °C	2 °C	4 °C
5 K	1195	1293	1392	1490	1602	1714	1826	1938	2212	2485	2759
6 K	1817	1898	1980	2061	2218	2374	2531	2687	2887	3087	3286
7 K	2730	2739	2749	2758	2954	3149	3345	3540	3740	3940	4139
8 K	3686	3697	3709	3720	3922	4124	4326	4528	4695	4861	5028
9 K	4555	4563	4572	4580	4783	4985	5188	5390	5552	5713	5875
10 K	5358	5372	5386	5400	5612	5823	6035	6246	6406	6566	6726

Values refered to :
Gas R744

INDICATIVE PRODUCT IMAGE

General features

• RSIX 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 this feature allows applications inside cold rooms with a minimum encumbrace in height.
• RSIX 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 RSIX range is supplied as standard with EC fan motors (Identified by the letter “B”) and blade with special profile for combine higher efficency and low absorption.
• The heat exchangers of all the range have been designed for operating at a working pressure PS up to 80 bar: this value gives a big advantage in cases of the plant stop (it reduces possible needs of CO2 discharge) and also it enable the possible use of the same model for both low temperature coldrooms (-40°C) up to high temperature applications, close to the air conditioning limits (+15°C)

COIL
• The range consist of two tipes of coils, both made of aluminium fins and copper tube: 5/16” tube increated thickness with a geometry of 25x21,65, for models with 250mm fan diameter, 12mm K65 tube increated thicknesswith a geometry of 37,5x32,5 for models with 350mm fan diameter.
• The technical features of the K65 copper tube allow to bear the higher mechanical stress of the RSIX range with 350mm fan motors.
• The model types having 250mm fan diameter are fitted with a coil of 5,3mm fin spacing, suited for applications with a cold room temperature (Tc) from -40°C to +15°C.
• 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 coils are tested with nitrogen at a pressure of 80 bar.

FAN MOTORS
• The fan motor models in use have the following features:
• EC fan motor
• Manufactured following EN 60335-1 laws, with internal thermal protection
• fan diameter 250mm, 28° inclination with special profile: power supply 230V/1/50-60Hz, IP55 protection rate, B insulation class, operating temperature -40°C to +50°C
• fan diameter 350mm, external rotor: power supply 200-240V/1/50-60Hz, IP54 protection rate, B insulation class, operating temperature -40°C a +40°C
• electrics made in conformity with 73/23 CEE Low Tension directive

HOUSING
• 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.

OPTIONAL
• Varnished coil
• Drainage pipe heater of 220V/1/50Hz voltage (for different voltages please contact our technical dept).