ROOF TOP UNITS ❄ ☀ R410A

AXIAL FANS

Roof top solutions for high flow rates, flexible and adaptable for each project

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com
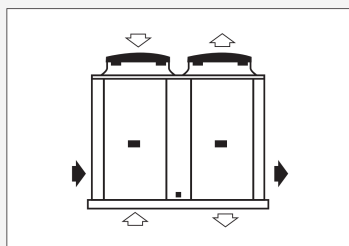
RXCA | RXCBA
Cooling only | Heat pump

The RXCA-RXCBA series units are self-contained compact rooftop units that are specially designed for installation on rooftops, roof terraces or in any other outdoor location with air distributed treated in ducts.

MAIN FEATURES

- Cooling capacities ranging from 40.7 to 192.3 kW
- Scroll Compressors
- Maximum partialisation up to 9 stages according to models
- Maximum air quality and comfort. Option to install F type high efficiency filters (F6 to F9)
- 3 versions available: standard (STD), with gas burner module (GAS) and the special high ambient temperature version (ATA)
- Thermostats and controls supplied as standard for units with electromagnetic regulation
  ARIA – models 1602 to 4502
  PGD – models 5002 to 6002

POSSIBLE AIR SUPPLY / RETURN CONFIGURATIONS   ▶ standard ◇ optional

RXCA/RXCBA TECHNICAL SPECIFICATIONS

MODEL		1402	1602	2002	2402	3002
Nominal cooling capacity	kW	40.7	46.2	61.2	71.5	84.5
Nominal cooling capacity	R.T.	11.6	13.1	17.4	20.3	24.0
Nominal heating capacity	kW	42.2	48.6	63.4	74.6	87.5
Power supply (50 Hz ~)	V	400.3+N	400.3+N	400.3+N	400.3+N	400.3+N
EER	kW/kW	2.7	2.7	2.7	2.8	3.0
COP	kW/kW	3.0	3.0	3.0	3.1	3.3
Cooling energy rating (1)		C	C	C	C	B
Heating energy rating (1)		D	D	D	C	B
Airflow – static pressure	m³/h – Pa	7800-100	9500 – 100	12318 – 135	14075 – 115	14980 – 115
Dimensions (length x width x height)	mm	2702x2300x1647	2702x2300x1647	2702x2300x1647	2702x2300x1832	2702x2300x2010
Net weight	Kg	1200	1200	1236	1250	1300

(1) according to EUROVENT

HITECSA
COOL AIR

RXCA/RXCBA TECHNICAL SPECIFICATIONS

MODEL		3502	4002	4502	5002	6002
Nominal cooling capacity	kW	105.2	115.0	142.6	162.0	192.3
Nominal cooling capacity	R.T.	29.9	32.7	40.5	46.1	54.7
Nominal heating capacity	kW	109.8	120.0	148.7	167.8	199.4
Power supply (50 Hz ~)	V	400.3+N	400.3+N	400.3+N	400.3+N	400.3+N
EER	kW/kW	2.9	3.1	2.9	3.0	2.9
COP	kW/kW	3.6	3.5	3.2	3.3	3.3
Cooling energy rating (1)		B	A	B	B	B
Heating energy rating (1)		A	A	C	B	B
Airflow – static pressure	m³/h – Pa	17901 – 125	20258-125	25083 – 125	28100 – 150	32800 – 175
Dimensions (length x width x height)	mm	4800x2100x1872	4800x2100x1872	4800x2100x1872	4800x2100x2222	4800x2100x2222
Net weight	Kg	2200	2210	2240	2600	2710

OPTIONS AVAILABLE

ENERGY SAVING

Option of mixing module for free cooling with two or three dampers

Thermal or enthalpy regulation with PCO control card and PGD control

Compressor soft-start

Soft-start of the indoor and/or outdoor fan

Heat recovery of cooling units (R-404a, etc.)

EC plugfan type indoor fan

EC type axial fans

Head pressure control by voltage converter

AIR QUALITY

Gravimetric filter in return G4

Opacimetric filter in return class F6 to F9 (combinable with a G4 or Fx+Fy)

Outdoor module for F Filters on rail

New air supply damper

SOUND LEVEL

Double thermo-acoustic insulation

Compressor sound jacket

Outdoor section fans low sound level

UNIT INSTALLATION

Magnetothermics in electrical panel

Power supply at 60Hz and voltages 230, 208, etc.

Option of manufacturing units with symmetric configuration

Upgraded motors

Control of indoor flow when the filters clog up (with EC plugfan type indoor fan)

Anti-freeze heater for condenser in tray

Bottom indoor air discharge

Top indoor air discharge

Rear indoor air discharge (with EC plugfan fans)

Bottom indoor air return

Top indoor air return

Fireproof filter class M0

Thermo-acoustic insulation class M0

Gas burner

Hot gas bypass

Double speed condensation control models 1402/3502

All or nothing condensation control in one fan models 4002/4502

Hot water heating coil

Electric resistance coils for auxiliary electric heating

Anti-corrosion pre-treated coils

Prepared for disassembly

Roof curb

Condensation fan with pressure available

RCCBA with centrifuge condensation fan

Condensation tray in outdoor section

Protective grille in outdoor section exchangers

Drip Separator

MAINTENANCE

Service valves

Pressure gauges outdoors to read pressures

External Schrader valves for pressure test

Clogged filter indication

REGULATION AND CONTROL

PGD thermostat

DSX@ thermostat (requires operation 24 V)

Alarm indication

Smoke detection

ON/OFF remote

Separate electrical panel

Option of master-slave operation

High pressure switch reset from thermostat

Unit without thermostat

Ambient temperature wall sensor

Return temperature sensor (ARIA)

Temperature sensor in duct

Air quality sensor

Operation for redundant machine

Centralised integrated management operation

Operation without neutral

Scheduling function and Modbus connection, etc. consult Thermostat chapter

Option for customising software with specific functions for the customer

Versions for other climates

Versions for other power supplies

As well as these options consult our Commercial Department for any other configuration or function not described as available.