



AXIAL FANS HEAT RECOVERY

RXCA RCF

RXCBA RCF



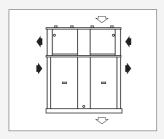
The RXCA/RXCBA RCF series units are self-contained compact rooftop units that are specially designed for installation on rooftops, roof terraces or in any other outdoor location with air distributed treated in ducts. The heat recovery system uses an additional cooling circuit as a heat exchanger. This purpose of this new circuit is to transfer the energy from the exhaust air to the new ventilation air.

MAIN FEATURES

- Cooling capacities ranging from 53.1 to 233.4 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: with cooling heat recovery (RCF), with gas burner module (GAS) and special high ambient temperature version (ATA)
- Thermostat PGD

POSSIBLE AIR SUPPLY / RETURN CONFIGURATIONS

standard optional



RXCA RCF / RXCBA RCF TECHNICAL SPECIFICATIONS

MODEL		1402	1602	2002	2402	3002
Total cooling capacity	kW	53.1	60.6	75.4	92.3	101.9
Main circuit cooling capacity	kW	40.2	46.6	58.9	71.1	80.2
Recovery circuit cooling capacity	kW	12.9	14.0	16.5	21.2	21.7
Total cooling capacity	R.T.	15.1	17.2	21.4	26.2	29.0
Main circuit cooling capacity	R.T.	11.4	13.2	16.7	20.2	22.8
Recovery circuit cooling capacity	R.T.	3.7	4.0	4.7	6.0	6.2
Total heating capacity	kW	55.7	60.1	76.9	93.1	105.5
Main circuit heating capacity	kW	43.8	47.2	61.7	72.5	85.1
Recovery circuit heating capacity	kW	11.9	12.9	15.2	20.6	20.4
Power supply (50 Hz ~)	V	400.3+N	400.3+N	400.3+N	400.3+N	400.3+N
EER		2.9	2.9	2.8	2.9	3.0
COP		3.4	3.4	3.2	3.2	3.3
Cooling energy rating (1)		В	В	С	В	В
Heating energy rating (1)		В	В	С	С	В
Airflow	m³/h	7,800	9,500	12,318	14,075	14,980
Available discharge pressure	Pa	100	100	135	115	115
Available return pressure	Pa	75	85	85	85	85
Dimensions (length x width x height)	mm	2702x2300x2175	2702x2300x2175	2702x2300x2175	2702x2300x2360	2702x2300x2540
Net weight	Kg	1420	1425	1475	1540	1604

RXCA RCF / RXCBA RCF TECHNICAL SPECIFICATIONS

MODEL		3502	4002	4502	5002	6002
Total cooling capacity	kW	125.1	141.4	178.9	202.9	233.4
Main circuit cooling capacity	kW	100.5	110.4	141.3	160.9	190.9
Recovery circuit cooling capacity	kW	24.6	31.0	37.6	42.0	42.5
Total cooling capacity	R.T.	35.6	40.2	50.9	57.7	66.4
Main circuit cooling capacity	R.T.	28.6	31.4	40.2	45.7	54.3
Recovery circuit cooling capacity	R.T.	7.0	8.8	10.7	11.9	12.1
Total heating capacity	kW	130.6	146.9	179.8	202.9	233.9
Main circuit heating capacity	kW	106.7	116.7	144.5	163.1	193.8
Recovery circuit heating capacity	kW	23.9	30.2	35.3	39.8	40.1
Power supply (50 Hz ~)	V	400.3+N	400.3+N	400.3+N	400.3+N	400.3+N
EER		3.3	3,1	3.0	3,1	3,0
COP		3.7	3.5	3.3	3.4	3,3
Cooling energy rating (1)		А	А	В	А	В
Heating energy rating (1)		А	A	В	В	В
Airflow	m³/h	17,901	20,258	25,083	28,100	32,800
Available discharge pressure	Pa	125	125	125	150	175
Available return pressure	Pa	70	85	85	85	100
Dimensions (length x width x height)	mm	4800x2100x2410	4800x2100x2410	4800x2100x2410	4800x2100x2760	4800x2100x2760
Net weight	Kg	2650	2780	2820	3450	3480

OPTIONS AVAILABLE



ENERGY SAVING

Thermal or enthalpy regulation for incorporated free cooling with PCO control card and PGD control

Compressor soft-start

Soft-start of

indoor and/or outdoor fan

Head pressure control by frequency converter

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

EC plugfan type indoor fan

EC type axial fans



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



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

Indoor flow rate control when the filters clog up

Anti-freeze heater for condenser in tray

Bottom indoor air discharge

Rear indoor air discharge (with EC plugfan fans)

Top indoor air return

Fireproof filter class MO

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

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

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

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.