

ROOF TOP TYPE UNITS



MINI CENTRIFUGAL FANS

RCAZ

Cooling only

RCABZ

Heat pump

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



The RCAZ/RCABZ series units are self-contained compact roof top units with centrifugal fans on the two sections, suitable for indoor installation. Air distribution is channelled through ducts.

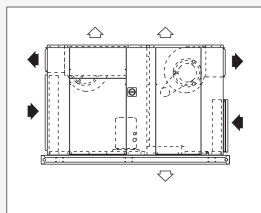
For use in shopping centres, multiplex cinemas, large department stores, etc.

MAIN FEATURES

- Cooling capacities ranging from 29.7 to 70 kW
- Thermostats and controls supplied as standard for units with electromagnetic regulation SUPER SI (man. 24 V)- all models

POSSIBLE AIR SUPPLY / RETURN CONFIGURATIONS

▶ standard ◀ optional

**RCAZ** TECHNICAL SPECIFICATIONS

MODEL		1001	1201	1401	1501
Total cooling capacity	kW	30.0	35.0	37.2	44.4
Total cooling capacity	R.T.	8.5	10.0	10.6	12.6
Total power input	kW	13.6	16.3	16.5	19.3
Power supply (50 Hz ~)	V	230.3 or 400.3+N	230.3 or 400.3+N	230.3 or 400.3+N	230.3 or 400.3+N
Airflow (in.-out.)	m³/h	7000 – 10500	8000 – 12500	8000 – 12500	9000 – 14000
indoor static pressure	Pa	82	85	85	110
outdoor static pressure	Pa	65	50	60	80
Dimensions (length x width x height)	mm	1733x2132x1350	1733x2132x1350	1733x2132x1350	1733x2132x1350
Net weight	Kg	710	740	765	780
MODEL		2002	2302	2402	
Total cooling capacity	kW	60.0	67.0	72.0	
Total cooling capacity	R.T.	17.1	19.1	20.5	
Total power input	kW	25.5	27.9	31.3	
Power supply (50 Hz ~)	V	230.3 or 400.3+N	400.3+N	230.3 or 400.3+N	
Airflow (in.-out.)	m³/h	11000 – 18000	12000 – 18500	12000 – 18500	
indoor static pressure	Pa	190	190	190	
outdoor static pressure	Pa	60	78	78	
Dimensions (length x width x height)	mm	2184x2312x1462	2184x2312x1462	2184x2312x1462	
Net weight	Kg	930	939	955	

RCABZ TECHNICAL SPECIFICATIONS

MODEL		1001	1201	1402	1502
Total cooling capacity	kW	29,7	35,0	36,4	44,2
Total cooling capacity	R.T.	8,4	10,0	10,3	12,6
Total heating capacity	kW	31,7	37,0	38,6	46,6
Total power input – cooling	kW	14,1	16,6	16,5	20,0
Total power input – heating	kW	12,2	14,2	14,3	16,9
Power supply (50 Hz ~)	V	230,3 or 400,3+N	230,3 or 400,3+N	230,3 or 400,3+N	230,3 or 400,3+N
Airflow (in.-out.)	m³/h	7000 – 10500	8000 – 12500	8000 – 13600	10000 – 15600
indoor static pressure	Pa	82	85	85	125
outdoor static pressure	Pa	65	50	80	100
Dimensions (length x width x height)	mm	1733x2132x1350	1733x2132x1350	2075x2262x1350	2075x2262x1350
Net weight	Kg	715	745	792	807
MODEL		1602	2002	2302	2402
Total cooling capacity	kW	45,4	59,4	66,0	70,0
Total cooling capacity	R.T.	12,9	16,9	18,8	19,9
Total heating capacity	kW	48,8	63,4	70,0	74,0
Total power input – cooling	kW	20,2	26,4	28,7	31,1
Total power input – heating	kW	17,4	22,2	25,0	26,4
Power supply (50 Hz ~)	V	230,3 or 400,3+N	230,3 or 400,3+N	400,3+N	230,3 or 400,3+N
Airflow (in.-out.)	m³/h	10000 – 16000	11000 – 22000	12000 – 23000	12000 – 23000
indoor static pressure	Pa	125	190	190	190
outdoor static pressure	Pa	90	120	135	135
Dimensions (length x width x height)	mm	2075x2262x1350	2776x2175x1600	2776x2175x1600	2776x2175x1600
Net weight	Kg	815	1150	1200	1250

HITECSA recommends the installation of an anti-freeze heater in the water collection tray for ambient temperatures of less than 5°C.

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

Fan soft-start
indoor and/or outdoor fan

Indoor EC radial fan
(depending on models)

Head pressure control
by frequency converter

**AIR QUALITY**

Gravimetric filter in return G4

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

Option of fresh air supply damper

Air quality sensor

**SOUND LEVEL**

Double thermo-acoustic insulation

Compressor sound jacket

**UNIT INSTALLATION**

Magnetothermics in electrical panel

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

Air discharge bottom evaporator

Air discharge top evaporator

Air discharge top condenser

Protection grille
in outdoor exchanger

Outdoor installation kit

Upgraded motors

Anti-freeze resistance
operation in collection tray

Fireproof filter class M0

Thermo-acoustic insulation class M0

Hot gas bypass

Hot water heating coil

Electric resistance coils for auxiliary
electric heating

Anti-corrosion pre-treated coils

**MAINTENANCE**

Service valves

External Schrader valves
for pressure test

Clogged filter indication

Condenser filter

Split filter

**REGULATION AND CONTROL**

ARIA thermostat

PGD thermostat

DSX@ thermostat (man. 24 V)

HoneyWell T8376B thermostat
(man. 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

Wall mounted ambient
temperature sensor

Return temperature sensor

Temperature sensor in duct

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.**