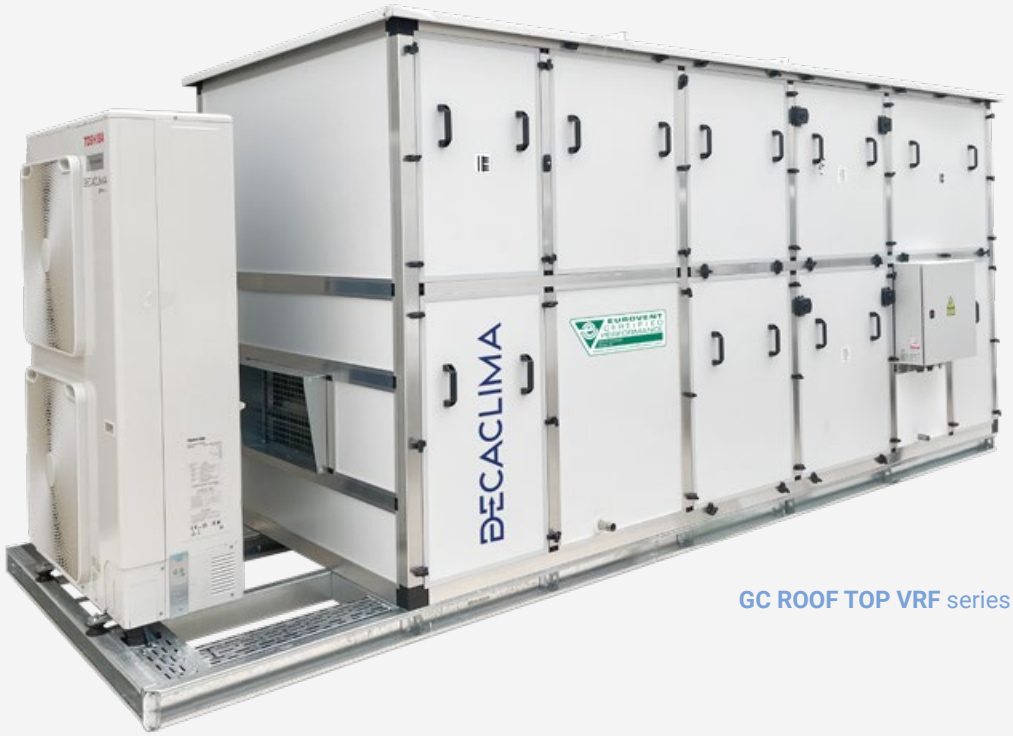
DECACLIMA

Direct expansion air treatment units

Air conditioners for large surfaces

Air conditioners with air recirculation, 100% outside air

GC ROOF TOP VRF series

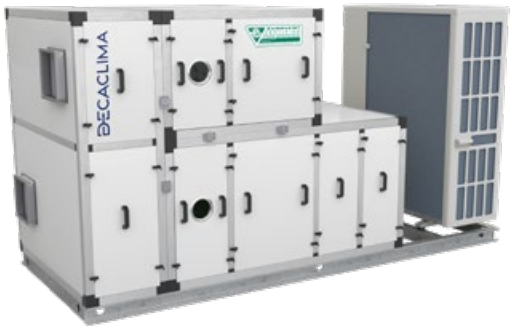


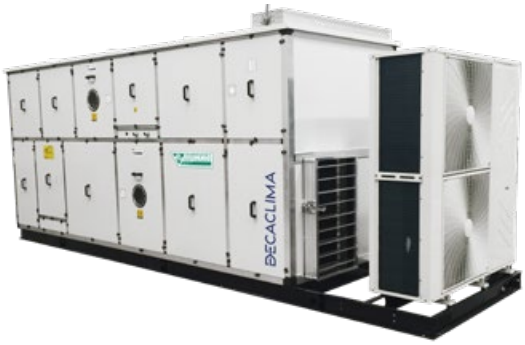
GC ROOF TOP VRF series

DECACLIMA

Direct expansion air conditioners, with the advantages of VRF
GC ROOF TOP VRF series

Compact design for installation on the roof or at ground level. Both the outdoor and indoor units come connected, saving the work of connecting pipes.





The quality of DECACLIMA's GC units is guaranteed by the **Eurovent certification**

EUROVENT CERTIFIED PERFORMANCE
AHU Nº 23.09.009
Range: GC
www.eurovent-certification.com

Main characteristics

- Compatible with any VRF system
- High efficiency units
- Flow rates from 3,800 m^3/h to 15,000 m^3/h
- EC Plug Fan fans
- Extruded aluminium profile with thermal bridge break
- Rubber seal for water-tightness with the panels
- 50 mm thick sandwich-type panels, with a lacquered outer panel
- Support frame adapted to the needs of the installation
- Plug&Play built-in control

Standard finishes

- Galvanised steel interior
- Lacquered sheet exterior
- Modular aluminium structure with thermal bridge break

Options

- Hygienic construction
- Dehumidification stage
- Stainless steel interior finish
- UVc germicidal chamber
- Different filtration stages and characteristics
- Hatches module with heat recovery unit
- Communication for connection to a BMS
- Option of dividing the coil into modules
- Option of heat recovery coils

Operation

The GC ROOF TOP VRF series are high efficiency units thanks to their compatibility with any VRF system. The outdoor units selected offer high efficiency, adjusting to demand at all times.

Technical characteristics

Model		GC 1.5 RT 2.1 12 1 DX T	GC 3.0 RT 2.2 14 1 DX T	GC 3.0 RT 3.4 16 1 DX T	GC 4.5 RT 4.8 18 1 DX T	GC 4.5 RT 4.9 20 1 DX T	GC 4.5 RT 4.9 26 1 DX T
COOLING CAPACITY	kW	12.3	14	15.5	17.5	20	26
	Tr	3.5	4.0	4.4	5.0	5.7	7.4
HEATING CAPACITY	W	13.2	15.5	17	19	22	28.5
	Tr	3.8	4.4	4.8	5.4	6.3	8.1
FLOW RATE	m³/h	2050	2200	3400	4800	4850	4900
	cfm	1211	1300	2009	2836	2866	2895
COOLING CONSUMPTION	W	3413	4148	4746	5565	6405	7980
	A	5.5	6.7	7.6	8.9	10.3	12.8
EER	-	3.60	3.38	3.27	3.14	3.12	3.26
HEATING CONSUMPTION	W	3570	4260	5009	5775	6615	8190
	A	5.7	6.8	8	9.3	10.6	13.1
COP	-	3.70	3.64	3.39	3.29	3.33	3.48
NOISE LEVEL	dB(A)	57	57	57	59	59	60
STATIC PRESSURE	Pa	250	250	250	250	250	250
POWER SUPPLY	V	380-415 V 3 Phases + neutral 50 Hz	380-415 V 3 Phases + neutral 50 Hz	380-415 V 3 Phases + neutral 50 Hz	380-415 V 3 Phases + neutral 50 Hz	380-415 V 3 Phases + neutral 50 Hz	380-415 V 3 Phases + neutral 50 Hz
REFRIGERANT	-	R410A	R410A	R410A	R410A	R410A	R410A
LOAD	kg	3.9	4.5	4.9	5.2	5.8	7.2
CONTROL	Type	By return temperature	By return temperature	By return temperature	By return temperature	By return temperature	By return temperature
	Type	Constant flow rate	Constant flow rate	Constant flow rate	Constant flow rate	Constant flow rate	Constant flow rate
FAN	Type	EC Plug Fan	EC Plug Fan	EC Plug Fan	EC Plug Fan	EC Plug Fan	EC Plug Fan
COMPRESSORS	Type	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
OUTDOOR FLOW RATE	m³/h	6,000	6,000	6,000	6,800	11,000	11,000

Model		GC 6.0 RT 6.0 32 1 DX T	GC 7.5 RT 7.5 40 1 DX T	GC 7.5 RT 8.0 45 1 DX T	GC 9.0 RT 9.5 54 1 DX T	GC 12.0 RT 14.0 80 1 DX T	GC 15.0 RT 15.0 90 1 DX T
COOLING CAPACITY	kW	31	40	45	54	80	90
	Tr	8.87	11.4	12.8	15.4	22.8	25.6
HEATING CAPACITY	kW	34	45	50	57	90	100
	Tr	9.7	12.8	14.2	16.2	25.6	28.4
FLOW RATE	m³/h	6000	7500	8000	9500	14000	15500
	cfm	3545	4432	4727	5614	8273	9159
COOLING CONSUMPTION	W	9492	12257	14008	15960	24514	28016
	A	15.2	19.7	22.5	25.6	39.3	44.9
EER	-	3.27	3.26	3.21	3.38	3.26	3.21
HEATING CONSUMPTION	W	10017	12463	14111	16380	24926	28222
	A	16.1	20	22.6	26.3	40	45.3
COP	-	3.39	3.61	3.54	3.48	3.61	3.54
NOISE LEVEL	dB(A)	60	62	62	63	63	63
STATIC PRESSURE	Pa	400	400	400	400	400	400
POWER SUPPLY	V	380-415 V 3 Phases + neutral 50 Hz	380-415 V 3 Phases + neutral 50 Hz	380-415 V 3 Phases + neutral 50 Hz	380-415 V 3 Phases + neutral 50 Hz	380-415 V 3 Phases + neutral 50 Hz	380-415 V 3 Phases + neutral 50 Hz
REFRIGERANT	-	R410A	R410A	R410A	R410A	R410A	R410A
LOAD	kg	9.8	10.5	13.2	14.4	21	26.4
CONTROL	Type	By return temperature	By return temperature	By return temperature	By return temperature	By return temperature	By return temperature
	Type	Constant flow rate	Constant flow rate	Constant flow rate	Constant flow rate	Constant flow rate	Constant flow rate
FAN	Type	EC Plug Fan	EC Plug Fan	EC Plug Fan	EC Plug Fan	EC Plug Fan	EC Plug Fan
COMPRESSORS	Type	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
OUTDOOR FLOW RATE	m³/h	12000	16600	16600	22000	33200	33200

The nominal cooling capacities under conditions: Return 27 CBS/19 CBH, outdoor temperature 35 CBS. / The nominal heating capacities under conditions: Return 20°CBS, outdoor temperature 7°CBS/6°CBH.
Range in indoor operating conditions: Cooling 17°CBS to 32°CBS heat 10 CBS to 28 CBS. / Range in outdoor operating conditions: Cooling 10°C to 45°C, heat -7°C to 24°C.
Data subject to modifications due to adjustments to the designs without prior notice.

Ref. 02/2024

Innovation in air
treatment units

DECACLIMA COMFORT SOLUTIONS, S.L.

Avda. del Castell, 31
08570 Torelló (Barcelona)
Tel. +34 930 130 703
info@decaclima.com

www.decaclima.com

SODECA Group

CERTIFIED
ISO 9001