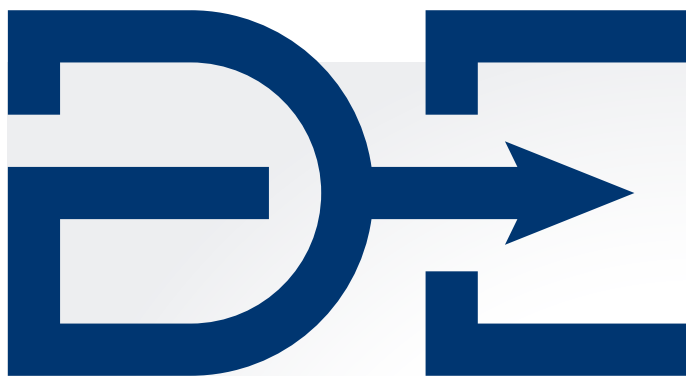


ROOF TOP VRF air conditioning units Direct expansion units with VRF



AIR RECIRCULATION UNITS

100% EXTERNAL AIR UNITS



Direct expansion air conditioning equipment for large spaces with the advantages provided by VRF

With a compact design, hygienic finish and easy installation, to be installed on a roof or at ground level. The outdoor unit as well as the indoor unit are supplied connected, saving time since you don't have to connect the ducts.



MAIN CHARACTERISTICS

- Compatible with any VRF system.
- High efficiency units.
- Flow rates from 3,800 m³/h to 15,000 m³/h.
- Plug Fan EC Fans.
- Hygienic construction.
- Extruded aluminium profile with thermal bridge break.
- Rubber seal for water-tight panels.
- 25 to 45 mm thick sandwich type panels with a lacquered outer panel.
- Support frames adapted to the needs of the installation.

STANDARD FINISHES

- Galvanised steel interior.
- Lacquered sheet exterior.
- Aluminium modular structure.

OPTIONS

- Control built-in to the unit.
- Dehumidification stage.
- Stainless interior finish.
- UVc germicidal chamber.
- Different filtering stages and characteristics.
- Hatches module with heat recovery unit.
- Different communication protocols.

OPERATION

The ROOF TOP VRF series of air conditioners are high efficiency units since they can be used with any VRF system. The selected outdoor units use R410A or R32 refrigerant, which are more efficient and are supplied charged from the factory to guarantee a more efficient operation.

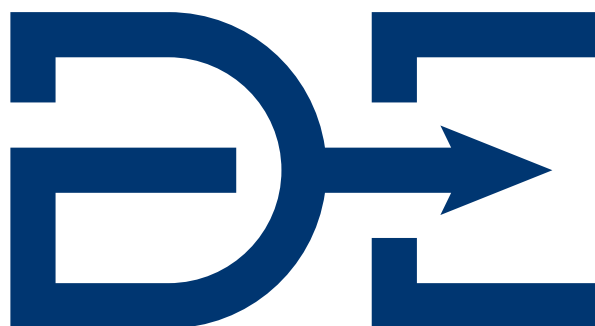


Technical characteristics

Model		ACRT 2.1 12 1 DX T	ACRT 2.2 14 1 DX T	ACRT 3.4 16 1 DX T	ACRT 4.8 18 1 DX T	ACRT 4.9 20 1 DX T	ACRT 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	kW	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
Charge	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	Plug Fan EC	Plug Fan EC	Plug Fan EC	Plug Fan EC	Plug Fan EC	Plug Fan EC
Compressors	Type	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
Exterior flow rate	m³/h	6,000	6,000	6,000	6,800	11,000	11,000

Model		ACRT 6.0 32 1 DX T	ACRT 7.5 40 1 DX T	ACRT 8.0 45 1 DX T	ACRT 9.5 54 1 DX T	ACRT 14.0 80 1 DX T	ACRT 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
Charge	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	Plug Fan EC	Plug Fan EC	Plug Fan EC	Plug Fan EC	Plug Fan EC	Plug Fan EC
Compressors	Type	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
Exterior 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.



INNOVATION IN AIR CONDITIONING
AND AIR QUALITY EQUIPMENT

DECACLIMA

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