



MULTISPLITS RANGE

DC INVERTER

DUO-TRIO-QUATTRO DCI



Airwell
INNOVATION & SERVICE

Airwell

DUO-TRIO-QUATTRO DCI

Multisplits DCI

Flexibility and user comfort, reaching set temperature levels rapidly, silent running, optimal stable ambient temperature and energy savings are all features that make the Airwell DC Inverter multisplits range an exceptional offering.

As a genuine compendium of technologies, the Airwell DCI DUO-TRIO-QUATTRO appliances have been designed to provide a very high level of comfort for users as well as ensuring extremely easy integration for installers. With the capability of providing independent air conditioning in two, three or four rooms, the Multi Inverter range benefits from Airwell's renowned expertise and the very latest technological advances.

The DC Inverter range delivers optimal capacity and exceptional performance.

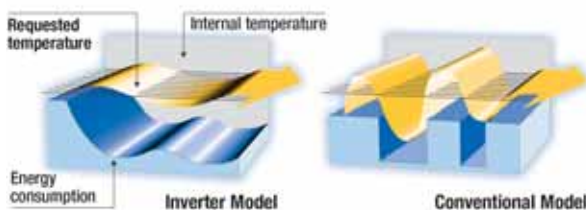
This range, with capacities varying from 5 to 8 kW, allows for mixing and matching between the four types on PHOENIX, FLORIDA, SX, K and BS DCI indoor units.



The **MULTISPLITS DCI** range is available with the ecologically friendly fluid **R410A**. This provides high energy efficiency, while preserving the ozone layer, and is easily recyclable. Its high density and high energy efficiency make for high performance coefficients, thereby providing significant energy savings.

> The Inverter technology comprises:

- A DC INVERTER type variable power compressor that provides better regulation and temperature control.
- 30 % energy saving.
- ultra silent operation.



> Energy savings

The DC INVERTER multisplits range is designed to operate continuously whilst modulating its capacity to the room temperature. Precise detection of cooling or heating requirements enables frequent capacity changes to be avoided and guarantees efficient and economic operation.

> Silent running

The TRIO-QUATTRO DCI units use a Twin Rotary compressor. Compared with traditional single cylinder design compressors, the Twin Rotary compressor provides a significant reduction in noise levels and vibrations during operation, thereby guaranteeing silent running.

> Rapidly reaching the set temperature

The compressor's variable rotational speed provides for optimal, rapid and efficient capacity modulation, guaranteeing more precise ambient temperature control than traditional air conditioners.

Energy		Air-conditioner
Manufacturer	Airwell	
Outdoor unit	DUO 50 DCI	
Indoor unit		
More efficient		
A		
B		
C		
D		
E		
F		
G	Less efficient	
Annual energy consumption kWh in cooling mode		
<small>(Actual consumption will depend on how the appliance is used and climate)</small>		
Cooling output	kW	5
Energy efficiency ratio		3,4
<small>Ful load (the higher the better)</small>		
Type	Cooling only	
	Cooling + Heating	←
	Air cooled	←
	Water cooled	
Heat output	kW	
Heating performance		
<small>A: higher G: lower</small>		
Noise		53
<small>(dB(A) re 1 pW)</small>		
Further information is contained in product brochures		
<small>Norm EN 814 Air-conditioner Energy Label Directive 2002/31/EC</small>		

INDOOR UNITS

WALL MOUNTED PHOENIX & FLORIDA

PNX 9/12 DCI



FLO 18 DCI

▼ Standard pre-filter



▼ Active charcoal filter



▼ Active electrostatic filter



Filtration

Because we spend 22 out of every 24 hours in enclosed environments, we need to take great care over the quality of the indoors atmosphere. Air treatment represents one of the major functions of the Phoenix & Florida DCI wall-mounted splits and exceptional air quality is achieved by the combination of several filters:

- Standard re-usable pre-filter.
- Active charcoal filter to neutralise odours.
- Electrostatic filter to catch the smallest particles contained in the ambient air (dust, pollen, mites, tobacco...).

LCD display

The wall-mounted Florida DCI appliances also incorporate a simple and user-friendly LCD display to view the main operating information.

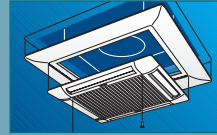


CASSETTES K

The K cassettes are extremely easy to integrate, thanks to their standard formats (600x600) and their low height (287mm). As well as being equipped with a clean air intake, they can also be configured to provide air conditioning in two adjoining rooms. Finally, K cassettes are easy to install and maintain with easy access to all components after simple removal of the fascia panel.



K 9/12/18 DCI



The ceiling frame, available as an accessory, creates a large opening in suspended ceilings to make installation and connections (electrical and refrigeration) easier.

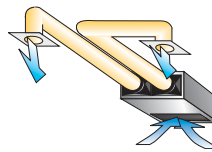
DUCTED BS

With their adapted blowing plenums, it is possible to connect blowing ducts for multi-zone air conditioning.

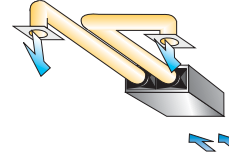
BS 12 DCI



BS 12 + Square ducted for multizone blowing



+ Cassette plenum for air return



+ Square ducted plenum for air return

(Grilles and ducts - to be supplied on site)

FLOOR CEILING SX

Enhancements with double automatic sweeping

SX DCI air conditioners have 2 motorised blowing flaps, one for the VERTICAL sweeping (top to bottom) function, and the other for HORIZONTAL sweeping (left to right) function. The treated air is therefore distributed completely

SX 9/12/18 DCI



INFRARED RECEIVER FOR REMOTE CONTROL



INFRARED SIGNAL RECEIVER

- COOL: Cooling mode light
- HEAT: Heating mode light
- OPER: Lights up when the unit is in operation. A flashing light confirms receipt of an infrared signal.
- STBY: Standby light. Lights up when the unit is connected and ready to receive instructions from the remote control.
- MODE: Emergency control. One press on this key enables the cooling or heating functions to be selected in the event of the remote control being unavailable.

Control panel (SX DCI) and RC4 remote control (Phoenix & Florida DCI/K DCI)

Automatic Cooling / Heating regulation.

- 3 ventilation (FAN) speeds.
- Automatic ventilation.
- I FEEL function.

• Night running.

• Dual treated air sweeping: horizontal and vertical.

- Dehumidification.
- 2 programming ranges: week & weekend.



"I feel" sensor

On/Off

Operating mode selector

Room temperature control

Auto sweep

Sleep function

3 fixed FAN speeds + one automatic speed.

"I feel" Function

Temperature control

Timer selection

Setting of Start-Stop times

Child safety device

Confirmation of programmed setting

Cancellation of timer parameters



INDOOR UNITS COMBINATIONS

Indoor units combinations	Mode	Indoor units capacity (kW)						Power input (W)			COP/ EER	Energy class		
		Room A	Room B	Room C	Room D	Nominal capacity	Minimum capacity	Maximim capacity	Nominal capacity	Minimum capacity			Maximim capacity	
DUO 50 DCI														
9	Heating				3.4	3.4	0.95	4.00	1135	375	1250	3.00	D	
	Cooling				2.5	2.5	1.22	3.70	680	420	980	3.68	A	
12	Heating				4.2	4.2	1.0	5.2	1575	375	1760	2.67	E	
	Cooling				3.5	3.5	1.2	4.4	1030	420	1275	3.40	A	
9+9	Heating			3.1	3.1	6.2	1.3	7.1	1670	320	1960	3.71	A	
	Cooling			2.5	2.5	5.0	1.4	6.0	1470	410	2100	3.40	A	
9+12	Heating			3.1	3.5	6.6	1.3	7.4	1760	320	2020	3.75	A	
	Cooling			2.5	3	5.5	1.4	6.2	1850	410	2130	2.97	B	
12+12	Heating			3.5	3.5	6.9	1.3	7.8	1970	320	2050	3.50	B	
	Cooling			3	3	6.0	1.4	6.5	2040	410	2160	2.94	C	
TRIO 72 DCI														
9	Heating				3.40	3.40	0.95	4.00	685	500	897	4.96	A	
	Cooling				2.50	2.50	1.30	3.70	685	500	1025	3.65	A	
12	Heating				4.30	4.30	0.95	5.20	1003	485	132	4.29	A	
	Cooling				3.50	3.50	1.30	4.40	968	500	1223	3.62	A	
18	Heating				6.20	6.20	1.11	7.50	1673	549	2131	3.71	A	
	Cooling				5.00	5.00	1.49	5.93	1393	566	1656	3.59	A	
9+9	Heating			3.60	3.60	7.20	1.43	9.10	1883	649	2636	3.82	A	
	Cooling			2.54	2.54	5.08	1.86	6.56	1498	683	1856	3.39	A	
9+12	Heating			3.26	4.34	7.60	1.43	9.50	2009	649	2711	3.78	A	
	Cooling			2.57	3.42	5.99	1.86	7.73	1783	683	2541	3.36	A	
9+18	Heating			3.00	6.00	9.00	1.43	10.10	2451	622	2737	3.67	A	
	Cooling			2.44	4.88	7.32	1.86	9.00	2203	659	3046	3.32	A	
12+12	Heating			4.00	4.00	8.00	1.43	9.80	2135	649	2711	3.75	A	
	Cooling			3.46	3.46	6.92	1.86	9.00	2075	683	2246	3.33	A	
12+18	Heating			3.60	5.40	9.00	1.43	10.50	2451	622	2871	3.67	A	
	Cooling			2.93	4.39	7.32	1.86	9.00	2203	659	3055	3.32	A	
9+9+9	Heating		3.00	3.00	3.00	9.00	2.06	10.99	237	804	3013	3.80	A	
	Cooling		2.40	2.40	2.40	7.20	2.69	8.98	224	949	3049	3.21	A	
9+9+12	Heating		2.70	2.70	3.60	9.00	2.06	11.00	237	804	2966	3.80	A	
	Cooling		2.20	2.20	2.93	7.33	2.69	9.00	2281	949	3157	3.21	A	
9+9+18	Heating		2.25	2.25	4.50	9.00	2.06	11.00	237	773	2826	3.80	A	
	Cooling		1.83	1.83	3.66	7.32	2.69	9.00	2278	962	3097	3.21	A	
9+12+12	Heating		2.45	3.27	3.27	8.99	2.06	11.00	2367	804	2938	3.80	A	
	Cooling		1.99	2.66	2.66	7.31	2.69	9.00	2275	949	3097	3.21	A	
9+12+18	Heating		2.07	2.76	4.14	8.98	2.14	11.00	2365	773	2752	3.80	A	
	Cooling		1.69	2.25	3.37	7.31	2.69	9.00	2275	962	3061	3.21	A	
12+12+12	Heating		3.00	3.00	3.00	9.00	2.06	11.00	237	804	2845	3.80	A	
	Cooling		2.44	2.44	2.44	7.32	2.69	9.00	2278	990	3085	3.21	A	
12+12+18	Heating		2.57	2.57	3.85	8.99	2.14	11.00	2367	773	2696	3.80	A	
	Cooling		2.09	2.09	3.13	7.30	2.69	9.00	2272	962	3086	3.21	A	
QUATTRO 80 DCI														
9	Heating				3.40	3.40	0.95	4.00	685	400	859	4.96	A	
	Cooling				2.50	2.50	1.40	3.70	685	500	1025	3.65	A	
12	Heating				4.30	4.30	0.95	5.20	946	388	1207	4.54	A	
	Cooling				3.50	3.50	1.40	4.40	968	500	1223	3.62	A	
18	Heating				6.20	6.20	1.11	7.50	1497	455	1875	4.14	A	
	Cooling				5.00	5.00	1.60	5.60	1393	570	1563	3.59	A	
9+9	Heating			3.64	3.64	7.28	1.43	8.63	1707	539	2172	4.26	A	
	Cooling			2.54	2.54	5.08	2.00	6.20	1453	689	1742	3.49	A	
9+12	Heating			3.29	4.39	7.68	1.43	9.01	1838	539	2235	4.18	A	
	Cooling			2.56	3.42	5.98	2.00	7.30	1722	689	2385	3.47	A	
9+18	Heating			3.03	6.06	9.10	1.43	9.58	2261	516	2255	4.02	A	
	Cooling			2.54	5.08	7.61	2.00	8.50	221	665	2858	3.45	A	
12+12	Heating			4.04	4.04	8.09	1.43	9.29	192	539	2235	4.21	A	
	Cooling			3.45	3.45	6.90	2.10	8.80	1998	689	2921	3.46	A	
12+18	Heating			3.80	5.70	9.50	1.43	9.96	2317	516	2366	4.10	A	
	Cooling			3.15	4.72	7.87	2.10	8.80	2285	665	2876	3.44	A	
9+9+9	Heating		3.03	3.03	3.03	9.10	2.06	11.00	2151	671	2621	4.23	A	
	Cooling		2.40	2.40	2.40	7.19	2.90	9.00	2112	915	2938	3.40	A	
9+9+12	Heating		2.85	2.85	3.80	9.50	2.06	11.00	2231	671	2891	4.26	A	
	Cooling		2.36	2.36	3.15	7.87	2.90	9.00	2445	915	2899	3.22	A	
9+9+18	Heating		2.38	2.38	4.75	9.50	2.06	11.00	2072	646	2883	4.59	A	
	Cooling		2.00	2.00	4.01	8.01	2.90	9.00	2466	928	2851	3.25	A	
9+12+12	Heating		2.59	3.45	3.45	9.48	2.06	11.00	2171	671	2874	4.37	A	
	Cooling		2.17	2.90	2.90	7.97	2.90	9.00	2445	915	2851	3.26	A	
9+12+18	Heating		2.19	2.92	4.38	9.48	2.14	11.00	2012	646	2731	4.71	A	
	Cooling		1.87	2.50	3.74	8.11	2.90	9.00	2476	928	2821	3.28	A	
12+12+12	Heating		3.16	3.16	3.16	9.49	2.06	11.00	2151	671	2857	4.41	A	
	Cooling		2.69	2.69	2.69	8.07	2.90	9.00	2372	955	2841	3.40	A	
12+12+18	Heating		2.71	2.71	4.06	9.48	2.14	11.00	1993	646	2671	4.76	A	
	Cooling		2.31	2.31	3.47	8.10	2.90	9.00	2372	928	2802	3.42	A	
9+9+9+9	Heating		2.38	2.38	2.38	9.50	2.69	10.97	238	657	2935	3.99	A	
	Cooling		2.00	2.00	2.00	8.00	3.70	9.17	249	1091	2937	3.21	A	
9+9+9+12	Heating		2.19	2.19	2.91	9.47	2.69	11.00	2355	657	29	4.02	A	
	Cooling		1.87	1.87	1.87	2.49	8.10	3.70	9.20	2524	1091	2915	3.21	A
9+9+9+18	Heating		1.90	1.90	1.90	3.80	9.50	2.77	11.00	2294	646	2779	4.14	A
	Cooling		1.62	1.62	1.62	3.25	8.12	3.70	9.20	2445	1064	2882	3.32	A
9+9+12+12	Heating		2.03	2.03	2.71	2.71	9.49	2.69	11.00	2306	657	2857	4.12	A
	Cooling		1.74	1.74	2.32	2.32	8.11	3.70	9.20	2513	1091	2882	3.23	A
9+9+12+18	Heating		1.78	1.78	2.37	3.56	9.49	2.77	11.00	2195	646	2762	4.32	A
	Cooling		1.52	1.52	2.03	3.05	8.12	3.70	9.20	241	1064	2849	3.37	A
9+12+12+12	Heating		1.90	2.53	2.53	2.53	9.48	2.69	11.00	2269	657	2822	4.18	A
	Cooling		1.62	2.16	2.16	2.16	8.11	3.70	9.20	2501	1091	2871	3.24	A
9+12+12+18	Heating		1.67	2.23	2.23	3.35	9.48	2.77	11.00	2195	646	2903	4.32	A
	Cooling		1.43	1.91	1.91	2.87	8.12	3.70	9.20	241	1064	289	3.37	A
12+12+12+12	Heating		2.38	2.38	2.38	2.38	9.50	2.69	11.00	238	646	2796	3.99	A
	Cooling		2.03	2.03	2.03	2.03	8.12	3.70	9.20	249	1091	2838	3.26	A



DUO 50 DCI
DC INVERTER



TRIO 72 DCI
DC INVERTER



QUATTRO 80 DCI
DC INVERTER

DUO-TRIO-QUATTRO outdoor units

The capacity modulation provided by the DC Inverter compressor equipping the Multi range allows for very varied mixing and matching of appliance sizes from model 9 (15 m²) to model 18 (60m²). This enables the installation to be tailored perfectly to all configurations, whether it is for air conditioning several rooms of the same size or rooms of different sizes.

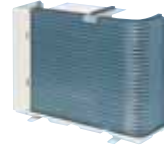
The Airwell DC INVERTER multisplits range offers a broad operating range to adapt to all climatic conditions, in particular for heating in winter (down to outdoors temperatures of -15°C).

In addition, thanks to their single phase electrical supply, these air conditioning systems are ideal for winter heating and summer cooling for apartments or individual houses with a surface area of up to 100 m².



COMPRESSOR

A variable power DC INVERTER rotary type, this compressor provides high efficiency and increased acoustic isolation.



CONDENSER

"Bluefin" hydrophilic treatment promotes the flow of condensates, while also providing corrosion protection to maintain performance levels and prolonging the service life.



VENTILATOR MOTOR

A variable power DC INVERTER type, this high efficiency motor provides silent operation.



PROPELLER

With 3 aerodynamic blades, the propeller offers better balance, enhances the exchange process and makes silent operation possible.

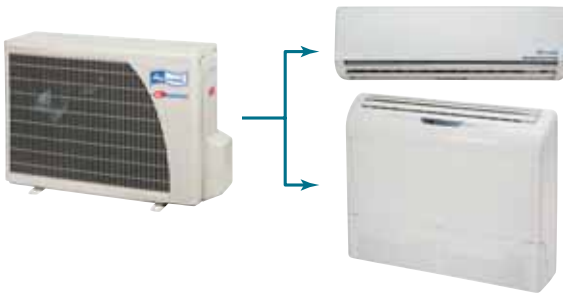


DUO 50 DCI



TRIO 72/QUATTRO 80 DCI

(Possibility of matching)



FOR 2 ROOMS



FOR 3 ROOMS



FOR 4 ROOMS



Multisplits DCI

Multisplits series

		DUO 50 DC INV	TRIO 72 DC INV	QUATTRO 80 DC INV
Cooling capacity	kW	5 (1,2-6,48)	7,2 (1,3-9)	8 (1,4-9,2)
Power Input	kW	1,47	2,24	2,49
EER/ Energy Label		3,4 / A	3,2 / A	3,2 / A
Operating limits outdoor temperature	°C	-10° / 46° Dry Bulb		
Heating Capacity ⁽¹⁾	kW	6,2 (0,95-7,75)	9 (0,95-11)	9,5 (0,95-11)
Heating Capacity at -10°C out.	kW	3,7	5,4	5,7
Power Input	kW	1,67	2,37	2,38
COP / Label Energy		3,71 / A	3,8 / A	4 / A
Operating limits outdoor temperature	°C	-15° / 24° Dry Bulb		

Outdoor units				
Air flow	m³/h	2160	3200	3200
Acoustic pressure to 1m (LS/HS)	dB(A)	53	54	54
Compressor type		Scroll DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Weight	kg	43	69	70
Dimensions (WxDxH)	mm	795x290x610	950x340x835	950x340x835

Linking specifications between units				
Power supply				
Power supply side		Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x2,5	3x2,5	3x2,5
Fuse rating am	A	16	20	20
Electrical connections Ind./Out.	mm²	2x(4x1,5)	3x(4x1,5)	4x(4x1,5)
Linking pipes				
Max. lenght	m	30	50	70
Max. lenght per circuit	m	25	25	25
Max. height between ind/out	m	10	15	15
Max. height between indoor units	m	5	15	15
Liquid pipe diameter	Inches	2x1/4"	3x1/4"	4x1/4"
Suction pipe diameter	Inches	2x3/8"	2x3/8" + 1x1/2"	3x3/8" + 1x1/2"

(1) Nominal heating capacity: International conditions 20°C/12°C wet bulb – Outside air temperature: 7°C/6°C wet bulb. (2) Nominal cooling capacity: International conditions (NF EN 255.2 / 814.2 standards) - 27°C/19°C wet bulb – Outside air temperature: 35°C/24°C wet bulb. (3) Global acoustic pressure in dB(A) (1 m) at nominal conditions: outdoor unit in an open area against a reflective background – indoor unit : installation in an average sized room, (PV-0.5s reverberation).

Your approved *Airwell* distributor

