airwell.com

WALL MOUNTED & MULTISPLITS RANGE

DC INVERTER

DAKOTA WDI & DUO/TRIO DAKOTA

60 YEARS 1947-2007 Airwell INNOVATION & SERVICE

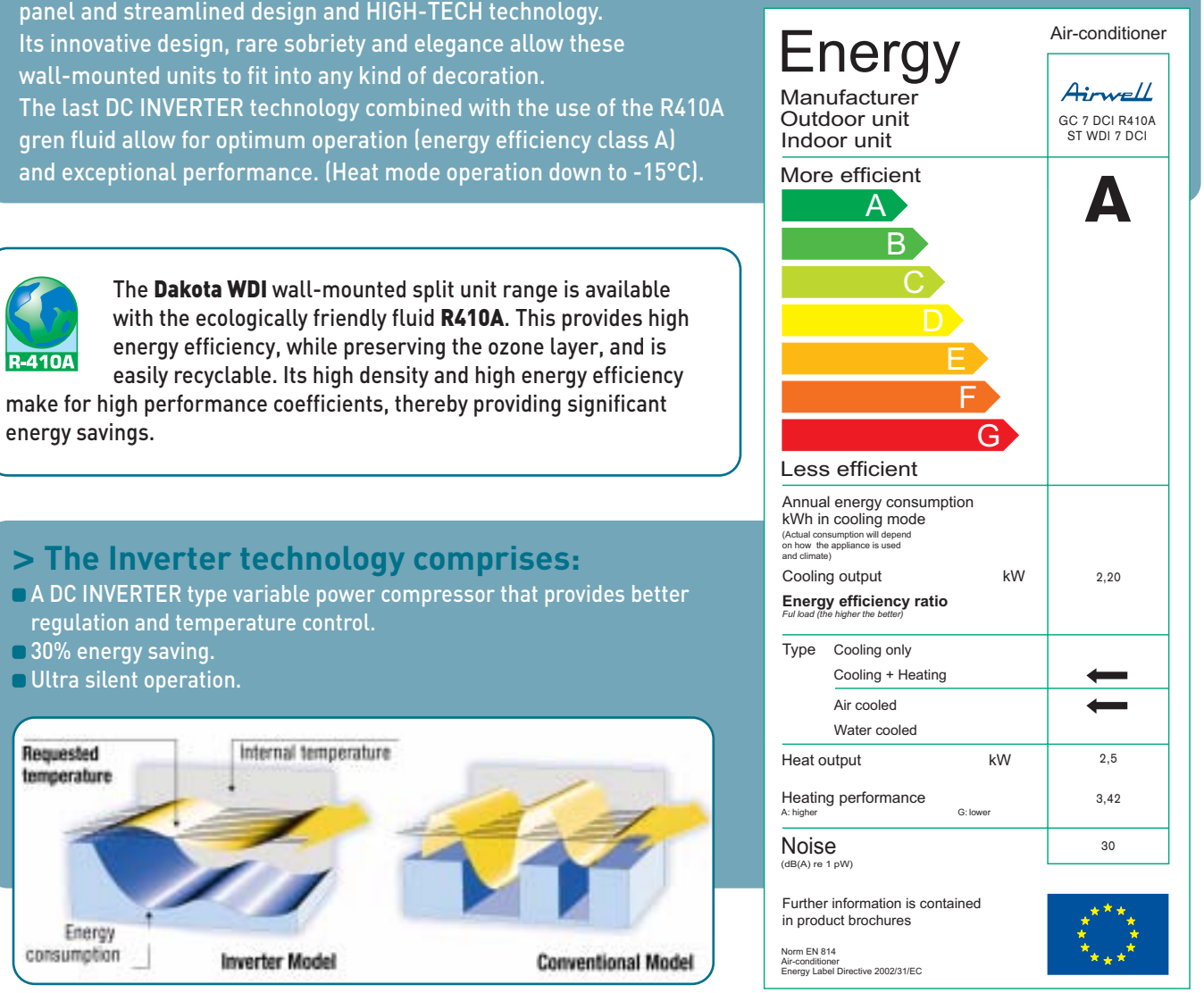
Airwell

WDI DCI

DC INVERTER Wall mounted

Flexibility and comfort of use, set temperature quickly reached, silent operation, ambient temperature optimally maintained and energy savings make DAKOTA DCI an exceptional range.

Never has technology gone so far to provide optimum user comfort. Technology and innovation have never been so far in optimising comfort to users. The DAKOTA DC INVERTER combines a modern look thanks to its flat front panel and streamlined design and HIGH-TECH technology.
Its innovative design, rare sobriety and elegance allow these wall-mounted units to fit into any kind of decoration.
The last DC INVERTER technology combined with the use of the R410A gren fluid allow for optimum operation (energy efficiency class A) and exceptional performance. (Heat mode operation down to -15°C).



R-410A

The **Dakota WDI** wall-mounted split unit 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.

MONOSPLIT CONFIGURATIONS

INDOOR UNITS

WDI 7/9 DCI

WDI 12/18 DCI

OUTDOOR UNITS

GC 7/9/12 DCI

GCNG 18 DCI

> Product benefits

- Flat front panel.
- Flexibility and comfort of use.
- Extended operating range.
- Optimal efficiency : Class A Energy label.
- Reduced noise levels.
- High performance filtration.
- Electronic regulation and programming.
- Automatic treated air sweeping.
- Optimum temperature regulation.
- Heating mode operation down to outdoor temperatures of -15°C.

BI-SPLIT CONFIGURATIONS

POSSIBLE CONFIGURATIONS

9/9 

9/12 

DUO 38 DCI OUTDOOR UNIT

The heat-stable polyester material structure provides a reduction in the noise level, weight and a prolonged service life.
The anticorrosion treatment with a High density powder paint coating ensures high resistance whatever the operating conditions.

DUO 38 DCI 

TRI-SPLIT CONFIGURATIONS

EXAMPLES OF POSSIBLE CONFIGURATIONS

7/7/7 

7/7/9 

7/7/12 

7/9/12 

9/9/9 

7/7/12 

TRIO 52 DCI OUTDOOR UNIT

TRIO 52 DCI 

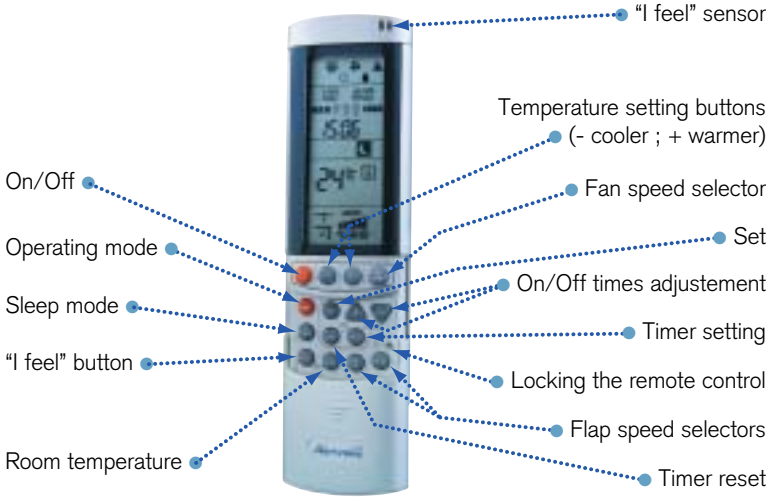
> Product advantages

- DUO DAKOTA DCI - Combinations 7-7/7-9/7-12/9-9 & 9-12.
- TRIO DAKOTA DCI - Combinations 7-7-7/7-7-9/7-7-12/ 7-9-9/7-9-12/9-9-9/9-9-12/7-7/9-9/12-12.
- Outdoor units compatible with DAKOTA DC Inverter indoor units.
- R410A "green" fluid.
- DC Inverter Scroll compressor (TRIO 52 DCI).
- Compact outdoor units.
- Class A energy label.
- Heating mode operation down to outdoor temperatures of -15° C.
- Set temperature point reached rapidly.
- Silent running.

RC7 Infrared Remote Control

With its compact size and carefully designed ergonomics, the Airwell infrared remote control offers excellent user comfort.

It allows the user to programme numerous sophisticated functions such as: selection of 3 different fan/ventilation speeds, flap sweep function, night time slow running, timer settings, energy savings function, "I feel" function... By simply pressing a single key, the desired temperature can be very accurately obtained and controlled.



WDI DCI

DC INVERTER Wall mounted & Multisplits

DAKOTA DCI Series		WDI 7	WDI 9	WDI 12	WDI 18	DUO 38 DC INV	TRIO 52 DC INV
Cooling capacity (1)	kW	2,20	2,50	3,50	5,00	3,9 (1,5-5,5)	5,2 (1,0-6,5)
Power Input	kW	0,66	0,75	1,03	1,56	1,11	1,55
EER/ Energy Label		3,33 / A	3,33 / A	3,39 / A	3,20 / B	3,5 / A	3,35 / A
Operating limits outdoor temperature	°C	10°/ 46° Dry Bulb					
Heating capacity (2)	kW	2,5	2,80	3,60	5,30	4,5 (1,2-6,2)	6,6 (1,0-7,3)
Power Input	kW	0,73	0,82	1,05	1,55	1,24	1,8
COP / Label Energy		3,42 / B	3,41 / B	3,42 / B	3,41 / B	3,62/A	3,67 / A
Operating limits outdoor temperature	°C	-15°/ 24° Dry Bulb					

Indoor units		ST WDI 7	ST WDI 9	ST WDI 12	ST WDI 18	-	-
Airflow (LS/HS)	m^3/h	300/350/400	270/350/420	350/450/550	480/620/720	-	-
Acoustic pressure to 1m (LS/HS) (3)	dB(A)	30/33/36	32/35/39	29/33/39	34/41/44	-	-
Dehumidification	l/hr	1	1	1,5	2	-	-
Weight	kg	7	7	8	11	-	-
Dimensions (WxDxH)	mm	680x185x250	680x185x250	840x185x250	900x205x295	-	-

Outdoor units		GC 7 DCI	GC 9 DCI	GC 12 DCI	GC 18 DCI	DUO 38 DCI	TRIO 52 DCI
Air flow	m^3/h	1400	1390	1390	2160	2160	2860
Acoustic pressure to 1m (LS/HS)	dB(A)	54	54	55	53	53	56
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter	Scroll DC Inverter	Rotary DC Inverter	Scroll DC Inverter
Weight	kg	35	36	37	38	38	48
Dimensions (WxDxH)	mm	760x245x545	760x245x545	760x245x545	795x290x610	795x290x610	846x302x690

Linking specificatioins between units							
Power supply 1~230 V							
Power supply side		Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor
Power cable section	A	12	12	16	20	16	3x2,5
Fuse rating am	mm^2	3x1,5	3x1,5	3x1,5	3x1,5	3x2,5	20
Electrical connections Ind./Out.	mm^2	4x1,5	4x1,5	4x1,5	5x1,5	2x (4x1,5)	3 x (4x1,5)
Linking pipes							
Max. lenght	m	15	15	15	15	-	-
Max. height	m	10	10	10	10	-	-
Total lenght	m	-	-	-	-	30	35
Max. lenght per circuit	m	-	-	-	-	25	25
Max. height ind./out.	m	-	-	-	-	10	15
Max. height between indoor units	m	-	-	-	-	5	5
Suction pipe diameter	Inches	3/8"	3/8"	3/8"	1/2"	2 x 3/8"	3 x 1/4"
Liquid pipe diameter	Inches	1/4"	1/4"	1/4"	1/4"	2 x 1/4"	3 x 3/8"

(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

ACE MARKETING SAS - 1 bis, av. du 8 mai 1945 - Saint-Quentin-en-Yvelines
F - 78284 Guyancourt Cedex
Fax : +33 (0) 1 39 44 65 17 - Tél. : +33 (0) 1 39 44 78 00 - e-mail : contact@airwell.com
www.airwell.com

FC WDI DCI 07-1040/AN