



DCI INVERTER Range

Ducted BS DCI

Airwell
Air Conditioning

INVERTER RANGE

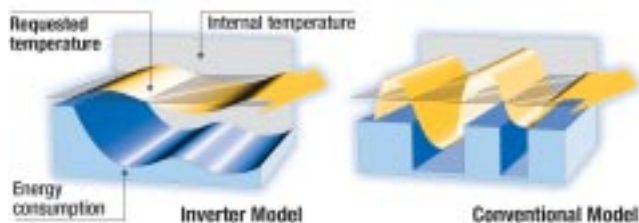
The **BS 12 DCI** has been designed to overcome a multitude of dimensional constraints. This ultra slim ducted unit can be integrated easily into all types of suspended ceilings, even in the tightest spots and offers a whole host of air distribution solutions. The **BS 12 DCI** has been designed with special care taken to provide extensive freedom for creating tailor-made installations. With direct blowing or duct network blowing possibilities, the **BS 12 DCI** ducted unit is capable of meeting all residential sector integration constraints whilst procuring a very high user comfort level as well as being extremely easy to install.



The **BS 12 DC INVERTER** ducted unit is available with the environmentally friendly **R410A** refrigerant fluid. This fluid offers high energy efficiency, whilst protecting the ozone layer and being easily recyclable. Its high volumetric mass and considerable energy efficiency provide high coefficients of performance and therefore significant energy savings.

■ Inverter technology is:

- A DC Inverter type variable capacity compressor allowing for improved regulation and temperature control.
- 30% energy savings.
- Ultra-quiet operation.

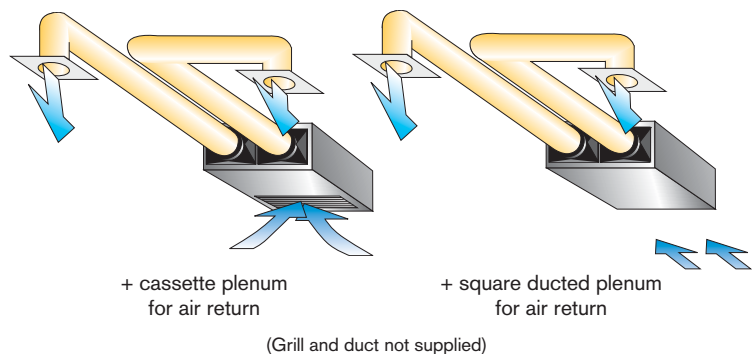


■ Indoor Units Functioning



Photo non contractuelle

Ducted blowing
BS 35 + square ducted for multizone blowing



(Grill and duct not supplied)

The very latest **DC INVERTER** technology combined with the use of environmentally friendly **R410A** refrigerant fluid, offering optimal efficiency (Class A energy label) and exceptional performance. (Operation in Heating mode down to outdoor temperatures of -15 °C).

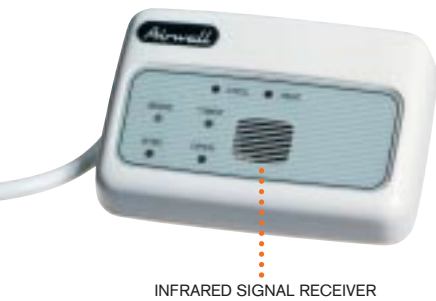
Energy		Air-conditioner
Manufacturer		Airwell
Outside unit		GC 12 DCI R410
Inside unit		ST BS 12 DCI
More efficient		A
A		
B		
C		
D		
E		
F		
G		
Less efficient		
Annual energy consumption kWh in cooling mode <small>(Actual consumption will depend on how the appliance is used and climate)</small>		
Cooling output kW		3,5
Energy efficiency ratio <small>Full load (the higher the better)</small>		3,65
Type	Cooling only	
	Cooling + Heating	←
	Air cooled	←
	Water cooled	
Heat output kW		
Heating performance <small>A: higher G: lower</small>		
Noise <small>(dB(A) re 1 pW)</small>		52
Further information is contained in product brochures		
<small>Norm EN 814 Air-conditioner Energy Label Directive 2002/31/EC</small>		

■ **BS DCI indoor units**



BS 12 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.

■ **Connection box**



Connection board with infrared receiver terminal block.

■ **DCI outdoor units**

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.

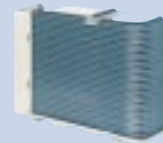


GCNG 12 DCI



❖ **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.

Flexibility, user comfort, constantly maintained temperature, extended operating range and extremely quiet running all contribute to making this a truly exceptional unit.

■ **Infrared Remote Control**

With its very 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, night time slow running, timer settings, dehumidification, energy savings function, "I feel" function...

By simply pressing a single key, the desired temperature can be very accurately obtained and controlled.



INVERTER RANGE



BS DC INVERTER Series

BS 12 DC INV

Heating capacity ⁽¹⁾	kW	4,3 (1,5-5,5)
Power input	kW	1,34
COP / Energy Label		3,21 / C

Cooling Capacity ⁽²⁾	kW	3,5 (1,5-4,6)
Power input	kW	0,96
EER / Energy Label		3,65 / A

Indoor unit		BS 12 DCI
Air flow (LS/NS/HS)	m ³ /h	450/670/830
Acoustic pressure to 1m (LS/NS/HS) ⁽³⁾	dB(A)	52/55/59
Dehumidification	l/h	1,3
Net Weight	kg	30
Built in casing (LxIxH)	mm	860x245x680

Outdoor unit		GC 12 DCI
Air flow	m ³ /h	1780
Acoustic pressure to 1m	dB(A)	52
Compressor type		Rotary DC Inverter
Operating limits Winter/Summer		-15°C / +43°C
Net Weight	kg	39
Dimensions (WidthxDepthxHeight)	mm	795x290x610

Linking specifications between indoor and outdoor units

Power supply		
Power supply side		Indoor
Power cable section	mm ²	3x1,5
Fuse am	A	16
Electrical connections Ind./Out.	mm ²	4x1,5

Linking pipes		
Max. length	m	20
Max. height	m	10
Suction pipe diameter	Inchs	3/8"
Liquid pipe diameter	Inchs	1/4"

(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).

Airwell



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