Airwell

Just feel well

# CNE 012 [ ECODESIGN ]

## Cassette 600x600 mono & premium multi / DC Inverter

DC INVERTER

2014 [ EC COMPLY ]

Unique solutions : FLEXY MATCH ADVANCED CONTROL OPTIONS

- Cassette line available in capacity 3.5 kW.
- Cooling & heating operation mode.
- DC Inverter and sine wave compressor drive technology.
- “I feel” function with precise room temperature control.

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

### PRODUCT ADVANTAGES

> Temperature control adjustment according to installation height.
> Available with two sizes of panels 600x600 mm or 725x725 mm.
> Compact design, only 219 mm unit net height.
> Possibility to connect to alarm output, unit ON/OFF output, human presence detector and group control.
> Fresh air supplied.
> Heating only mode force option.

RC08W

[ EC COMPLY ] Comply with ECO Design regulation

Airwell Residential

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## [ INFORMATION REQUIREMENTS ]

| AWAU-YBDE012-H11 / AWSI-CNE012-N11 | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Function (indicate if present)** | | | | **If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.** | | | |
| Cooling | | Y | | Average (mandatory) | | Y | |
| Heating | | Y | | Warmer (if designated) | | N | |
| | | | | Colder (if designated) | | N | |
| **Item** | **symbol** | **value** | **unit** | **Item** | **symbol** | **value** | **unit** |
| **Design load** | | | | **Seasonal efficiency** | | | |
| Cooling | Pdesignc | 3.5 | kW | Cooling | SEER | 5.61 | - |
| Heating/Average | Pdesignh | 3.5 | kW | Heating/Average | SCOP(A) | 4.00 | - |
| Heating/Warmer | Pdesignh | - | kW | Heating/Warmer | SCOP(W) | - | - |
| Heating/Colder | Pdesignh | - | kW | Heating/Colder | SCOP(C) | - | - |
| Declared capacity (*) for cooling, at indoor temperature 27(19) °C and outdoor temperature Tj | | | | Declared energy efficiency ratio (*), at indoor temperature 27(19) °C and outdoor temperature Tj | | | |
| Tj = 35 °C | Pdc | 3.6 | kW | Tj = 35 °C | EERd | 3.6 | - |
| Tj = 30 °C | Pdc | 2.5 | kW | Tj = 30 °C | EERd | 5.3 | - |
| Tj = 25 °C | Pdc | 1.7 | kW | Tj = 25 °C | EERd | 7.6 | - |
| Tj = 20 °C | Pdc | 1.8 | kW | Tj = 20 °C | EERd | 8.6 | - |
| Declared capacity (*) for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj | | | | Declared coefficient of performance (*)/Average season, at indoor temperature 20 °C and outdoor temperature Tj | | | |
| Tj = – 7 °C | Pdh | 3.1 | kW | Tj = – 7 °C | COPd | 2.4 | - |
| Tj = 2 °C | Pdh | 1.9 | kW | Tj = 2 °C | COPd | 3.5 | - |
| Tj = 7 °C | Pdh | 1.3 | kW | Tj = 7 °C | COPd | 5.3 | - |
| Tj = 12 °C | Pdh | 1.6 | kW | Tj = 12 °C | COPd | 6.3 | - |
| Tj = bivalent temperature | Pdh | 3.1 | kW | Tj = bivalent temperature | COPd | 2.4 | - |
| Tj = operating limit | Pdh | 3.0 | kW | Tj = operating limit | COPd | 2.3 | - |
| Declared capacity (*) for heating/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj | | | | Declared coefficient of performance (*)/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj | | | |
| Tj = 2 °C | Pdh | - | kW | Tj = 2 °C | COPd | - | - |
| Tj = 7 °C | Pdh | - | kW | Tj = 7 °C | COPd | - | - |
| Tj = 12 °C | Pdh | - | kW | Tj = 12 °C | COPd | - | - |
| Tj = bivalent temperature | Pdh | - | kW | Tj = bivalent temperature | COPd | - | - |
| Tj = operating limit | Pdh | - | kW | Tj = operating limit | COPd | - | - |
| Declared capacity (*) for heating/Colder season, at indoor temperature 20 °C and outdoor temperature Tj | | | | Declared coefficient of performance (*)/Colder season, at indoor temperature 20 °C and outdoor temperature Tj | | | |
| Tj = – 7 °C | Pdh | - | kW | Tj = – 7 °C | COPd | - | - |
| Tj = 2 °C | Pdh | - | kW | Tj = 2 °C | COPd | - | - |
| Tj = 7 °C | Pdh | - | kW | Tj = 7 °C | COPd | - | - |
| Tj = 12 °C | Pdh | - | kW | Tj = 12 °C | COPd | - | - |
| Tj = bivalent temperature | Pdh | - | kW | Tj = bivalent temperature | COPd | - | - |
| Tj = operating limit | Pdh | - | kW | Tj = operating limit | COPd | - | - |
| Tj = – 15 °C | Pdh | - | kW | Tj = – 15 °C | COPd | - | - |
| **Bivalent temperature** | | | | **Operating limit temperature** | | | |
| Heating/Average | Tbiv | -7 | °C | Heating/Average | Tol | -15 | °C |
| Heating/Warmer | Tbiv | - | °C | Heating/Warmer | Tol | - | °C |
| Heating/Colder | Tbiv | - | °C | Heating/Colder | Tol | - | °C |
| **Power consumption of cycling** | | | | **Efficiency of cycling** | | | |
| Cooling | Pcycc | - | kW | Cooling | EERcyc | - | - |
| Heating | Pcych | - | kW | Heating | COPcyc | - | - |
| Degradation co-efficient cooling (**) | Cdc | - | - | Degradation co-efficient heating (**) | Cdh | - | - |
| **Electric power input in power modes other than 'active mode'** | | | | **Seasonal electricity consumption** | | | |
| Off mode | POFF | - | kW | Cooling | $Q_{CE}$ | 218 | kWh/a |
| Standby mode | PSB | 0.011 | kW | Heating/Average | $Q_{HE}$ | 1225 | kWh/a |
| Thermostat-off mode | PTO | 0.022 | kW | Heating/Warmer | $Q_{HE}$ | / | kWh/a |
| Crankcase heater mode | PCK | - | kW | Heating/Colder | $Q_{HE}$ | / | kWh/a |
| **Capacity control (indicate one of three options)** | | | | **Other items** | | | |
| Fixed | | N | | Sound power level (indoor/outdoor) | LWA | 51/62 | dB(A) |
| Staged | | N | | Global warming potential | GWP | 1975 | $kgCO_2$ eq. |
| Variable | | Y | | Rated air flow (indoor/outdoor) | - | 470/1780 | $m^3/h$ |
| Contact details for obtaining more information | | Airwell Residential S.A.S. - 1bis, avenue du 8 mai 1945 - 78200 GUYANCOURT France<br>Tél. +33 (0) 1 39 44 78 00 - airwell-residential@a-res.fr | | | | | |

(*) For staged capacity units, two values divided by a slash ('/') will be declared in each box in the section 'Declared capacity of the unit' and 'declared EER/COP' of the unit.
(**) If default Cd = 0,25 is chosen then (results from) cycling tests are not required. Otherwise either the heating or cooling cycling test value is required.