

Airwell

■ Just feel well

FWDE 012 [ECODESIGN]

Floor ceiling mono / DC Inverter



2014 [EC COMPLY]

Unique solutions



ADVANCED CONTROL OPTIONS

- Floor ceiling line available in capacity 3.5 kW.
- Cooling operation mode.
- Glossy designed unit.
- DC Inverter and sine wave compressor drive technology.
- "I feel" function with precise room temperature control.
- Very low ambient operating temperature.



All sizes



PRODUCT ADVANTAGES

- > Dedicated design for wine cellars. Cooling operation up to -10°C outside and go down up to 12°C inside.
- > Precharge to max tubing length up to 20 m.
- > Fuzzy logic to control compressor by outdoor fan and electronic expansion valve in extrem low operation temperature.



RC08W

[EC COMPLY] Comply with ECO Design regulation

Airwell Residential

[INFORMATION REQUIREMENTS]

AWAU-YBDE012-H11 / AWSI-FWDE012-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)			N
Heating		N		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	5.30	-
Heating/Average	Pdesignh	-	kW	Heating/Average	SCOP(A)	-	-
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	3.4	kW	Tj = 35 °C	EERd	3.3	-
Tj = 30 °C	Pdc	2.6	kW	Tj = 30 °C	EERd	4.8	-
Tj = 25 °C	Pdc	1.7	kW	Tj = 25 °C	EERd	6.7	-
Tj = 20 °C	Pdc	1.7	kW	Tj = 20 °C	EERd	7.4	-
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	-	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	-	-
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	-	°C	Heating/Average	Tol	-	°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	Pcyh	-	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}	231	kWh/a
Standby mode	PSB	0.010	kW	Heating/Average	Q _{HE}	/	kWh/a
Thermostat-off mode	PTO	0.010	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	56/62	dB(A)
Staged		N		Global warming potential	GWP	1975	kgCO ₂ eq.
Variable		Y		Rated air flow (indoor/outdoor)		400/1780	m ³ /h
Contact details for obtaining more information	Airwell Residential S.A.S. - 1bis, avenue du 8 mai 1945 - 78200 GUYANCOURT France 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.