

Indoor unit: AR2MVI32-12WiFi

Outdoor unit: AR2MVO32-12



## Function

## Design Load

## Seasonal Efficiency

Cooling	YES	Cooling	3,5	Kw	Cooling	SEER	7,5
Heating / Average Zone	YES	Heating / Average Zone	2,8	Kw	Heating / Average Zone	SCOP(A)	4,2
Heating / Warmer Zone	YES	Heating / Warmer Zone	3,3	Kw	Heating / Warmer Zone	SCOP(W)	5,1
Heating / Colder Zone	-	Heating / Colder Zone	-	Kw	Heating / Colder Zone	SCOP <sup>o</sup>	-

## Cooling

Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj

Tj=35°C	Pdc	3,500	Kw
Tj=30°C	Pdc	2,575	Kw
Tj=25°C	Pdc	1,661	Kw
Tj=20°C	Pdc	0,823	Kw

Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj

Tj=35°C	EERd	3,23
Tj=30°C	EERd	5,13
Tj=25°C	EERd	9,06
Tj=20°C	EERd	15,98

## Heating / Average Zone

Declared capacity for Heating / Average Season, at indoor temperature 20°C and outdoor temperature Tj

Tj=-7°C	Pdh	2,477	Kw
Tj=2°C	Pdh	1,554	Kw
Tj=7°C	Pdh	0,959	Kw
Tj=12°C	Pdh	0,855	Kw
Tj=bivalent temperature	Pdh	2,477	Kw
Tj=operation limit	Pdh	1,793	Kw

Declared coefficient of performance for Heating / Average Season, at indoor temperature 20°C and outdoor temperature Tj

Tj=-7°C	COPd	2,67
Tj=2°C	COPd	4,37
Tj=7°C	COPd	5,13
Tj=12°C	COPd	6,40
Tj=bivalent temperature	COPd	2,67
Tj=operation limit	COPd	1,98

## Heating / Warmer Zone

Declared capacity for Heating / Warmer Season, at indoor temperature 20°C and outdoor temperature Tj

Tj=2°C	Pdh	3,300	Kw
Tj=7°C	Pdh	2,052	Kw
Tj=12°C	Pdh	0,997	Kw
Tj=bivalent temperature	Pdh	3,300	Kw
Tj=operation limit	Pdh	3,300	Kw

Declared coefficient of performance for Heating / Warmer Season, at indoor temperature 20°C and outdoor temperature Tj

Tj=2°C	COPd	3,18
Tj=7°C	COPd	4,90
Tj=12°C	COPd	6,31
Tj=bivalent temperature	COPd	3,18
Tj=operation limit	COPd	3,18

## Bivalent Temperature

Heating / Average Zone	Tbiv	-7	°C
Heating / Warmer Zone	Tbiv	2	°C

## Operating Limit Temperature

Heating / Average Zone	Tol	-15	Kw
Heating / Warmer Zone	Tol	2	Kw

## Electricity Data

Electric power input in power modes other than 'active mode'

Off mode	POFF	0,001	Kw
Standby mode	PSB	0,001	Kw
Thermostat off mode	PTO	0,013	Kw
Crankcase heater mode	PCK	0,0	Kw

## Annual electricity consumption

Cooling	QCE	163	kWh/a
Heating / Average Zone	QHE	933	kWh/a
Heating / Warm Zone	QHE	906	kWh/a

## Capacity control - Variable

Other Items

Sound power lever (indoor unit)	LWA	55	dB(A)
Sound power lever (outdoor unit)	LWA	60	dB(A)
Global warning potential	GWP	675	Kg CO <sub>2</sub> eq
Rated air flow (indoor unit)	-	539	m³/h
Rated air flow (outdoor unit)	-	2000	m³/h



Contact details for obtaining more information Importer / Distributor in European Union  
 Inventor A.G. S.A. / 2, Thoukididou Str, 145 65 Agios Stefanos, Athens Greece  
 Tel: +30 211.300.33.00 Fax: +30 211.300.33.33 www.inventor.ac/en

Harmonised standard: EN 14511:2011

No 626/2011 No 206/2012

Calculation methods - Measurement standards: EN 14825