

Indoor unit: V4MDI-50

Outdoor unit: U4MRT-50



## Function

## Design Load

## Seasonal Efficiency

Function	YES	Design Load	14,0	Kw	Seasonal Efficiency	SEER	6,1
Cooling	YES	Cooling	12,2	Kw	Cooling	SCOP(A)	4,0
Heating / Average Zone	-	Heating / Average Zone	-	Kw	Heating / Average Zone	SCOP(W)	-
Heating / Warmer Zone	-	Heating / Warmer Zone	-	Kw	Heating / Colder Zone	SCOPO	-
Heating / Colder Zone	-	Heating / Colder Zone	-	Kw			

## Cooling

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

Tj=35°C	Pdc	14,000	Kw
Tj=30°C	Pdc	9,550	Kw
Tj=25°C	Pdc	6,036	Kw
Tj=20°C	Pdc	3,334	Kw

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

Tj=35°C	EERd	2,68
Tj=30°C	EERd	4,26
Tj=25°C	EERd	7,10
Tj=20°C	EERd	13,23

## Heating / Average Zone

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

Tj=-7°C	Pdh	10,808	Kw
Tj=2°C	Pdh	6,718	Kw
Tj=7°C	Pdh	4,293	Kw
Tj=12°C	Pdh	2,359	Kw
Tj=bivalent temperature	Pdh	10,808	Kw
Tj=operation limit	Pdh	10,801	Kw

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

Tj=-7°C	COPd	2,72
Tj=2°C	COPd	3,94
Tj=7°C	COPd	5,07
Tj=12°C	COPd	5,49
Tj=bivalent temperature	COPd	2,72
Tj=operation limit	COPd	2,21

## Heating / Warmer Zone

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

Tj=2°C	Pdh	-	Kw
Tj=7°C	Pdh	-	Kw
Tj=12°C	Pdh	-	Kw
Tj=bivalent temperature	Pdh	-	Kw
Tj=operation limit	Pdh	-	Kw

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

Tj=2°C	COPd	-
Tj=7°C	COPd	-
Tj=12°C	COPd	-
Tj=bivalent temperature	COPd	-
Tj=operation limit	COPd	-

## Bivalent Temperature

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

## Operating Limit Temperature

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

## Electricity Data

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

Off mode	P <sub>OFF</sub>	0,010	Kw
Standby mode	P <sub>SB</sub>	0,010	Kw
Thermostat off mode	P <sub>TO</sub>	0,010	Kw
Crankcase heater mode	P <sub>CK</sub>	0,0	Kw

## Annual electricity consumption

Cooling	Q <sub>CE</sub>	803	kWh/a
Heating / Average Zone	Q <sub>HE</sub>	4270	kWh/a

## Capacity control - Variable

Other Items

Sound power lever (indoor unit)	LWA	68	dB(A)
Sound power lever (outdoor unit)	LWA	72	dB(A)
Global warning potential	GWP	2088	Kg CO <sub>2</sub> eq
Rated air flow (indoor unit)	-	-	m <sup>3</sup> /h
Rated air flow (outdoor unit)	-	-	m <sup>3</sup> /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