

Indoor unit: V4MKI-50

Outdoor unit: U4MRT-50



Function

Design Load

Seasonal Efficiency

Function	Design Load	Seasonal Efficiency
Cooling	14 Kw	SEER 6,1
Heating / Average Zone	11,8 Kw	SCOP(A) 4
Heating / Warmer Zone	- Kw	SCOP(W) -
Heating / Colder Zone	- Kw	SCOP© -

Cooling

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

Tj	Pdc	Kw
Tj=35°C	14	Kw
Tj=30°C	9,572	Kw
Tj=25°C	6,25	Kw
Tj=20°C	3,085	Kw

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

Tj	EERd
Tj=35°C	2,46
Tj=30°C	4,28
Tj=25°C	6,86
Tj=20°C	14,83

Heating / Average Zone

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

Tj	Pdh	Kw
Tj=-7°C	10,451	Kw
Tj=2°C	6,384	Kw
Tj=7°C	4,135	Kw
Tj=12°C	2,34	Kw
Tj=bivalent temperature	10,451	Kw
Tj=operation limit	10,81	Kw

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

Tj	COPd
Tj=-7°C	2,72
Tj=2°C	3,85
Tj=7°C	5,36
Tj=12°C	5,44
Tj=bivalent temperature	2,72
Tj=operation limit	2,1

Heating / Warmer Zone

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

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

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

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

Bivalent Temperature

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

Operating Limit Temperature

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

Electricity Data

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

Mode	Power	Kw
Off mode	P _{OFF}	0,01 Kw
Standby mode	P _{SB}	0,01 Kw
Thermostat off mode	P _{TO}	0,01 Kw
Crankcase heater mode	P _{CK}	0,0 Kw

Annual electricity consumption

Zone	Q _{CE}	kWh/a
Cooling	803	kWh/a
Heating / Average Zone	4130	kWh/a

Capacity control - Variable

Other Items

Item	Value	Unit
Sound power lever (indoor unit)	LWA 66	dB(A)
Sound power lever (outdoor unit)	LWA 72	dB(A)
Global warming potential	GWP 2088	Kg CO ₂ eq
Rated air flow (indoor unit)	-	m ³ /h
Rated air flow (outdoor unit)	-	m ³ /h

