

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	21. Yutaki M 6.0HP (mono)	Reg. No.	041-K002-21
Certificate Holder			
Name	Johnson Controls-Hitachi AirConditioning Spain		
Address	Ronda Shimizu, 1. Pol. Ind. Can Torrella	Zip	08233
City	Vacarisses, Barcelona	Country	Spain
Certification Body	BRE Energy & Communications Division		
Name of testing laboratory	CEIS		
Subtype title	21. Yutaki M 6.0HP (mono)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	3.1 kg		

Model: RASM-6VNE - Heating Only

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.00 kW	16.00 kW
El input	3.50 kW	6.40 kW
COP	4.57	2.50
Indoor water flow rate	2.74 m ³ /h	1.71 m ³ /h

Average Climate

EN 14825

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	Low temperature	Medium temperature
η_s	153 %	125 %
Prated	16.00 kW	14.00 kW
SCOP	3.90	3.20
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	13.80 kW	11.20 kW
COP Tj = -7°C	2.40	1.60
Pdh Tj = +2°C	8.40 kW	6.82 kW
COP Tj = +2°C	3.90	3.35
Pdh Tj = +7°C	5.40 kW	4.38 kW
COP Tj = +7°C	5.00	4.35
Pdh Tj = 12°C	3.50 kW	3.60 kW
COP Tj = 12°C	6.00	5.50
Pdh Tj = Tbiv	13.80 kW	11.20 kW
COP Tj = Tbiv	2.40	1.60
Pdh Tj = TOL	14.10 kW	11.70 kW
COP Tj = TOL	2.30	1.55
Cdh	0.90	0.90
WTOL	55 °C	55 °C
Poff	13 W	13 W

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PTO	0 W	0 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.90 kW	2.30 kW
Annual energy consumption Q _{he}	8287 kWh	8170 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	69 dB(A)	69 dB(A)

Model: RASM-6VNE - with cooling kit

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.00 kW	16.00 kW
El input	3.50 kW	6.40 kW
COP	4.57	2.50
Indoor water flow rate	2.74 m ³ /h	1.71 m ³ /h

Average Climate

EN 14825

This information was generated by the HP KEYMARK database on 17 Dec 2020

	Low temperature	Medium temperature
η_s	153 %	126 %
Prated	16.00 kW	14.00 kW
SCOP	3.90	3.23
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	13.80 kW	11.20 kW
COP Tj = -7°C	2.40	1.60
Pdh Tj = +2°C	8.40 kW	6.82 kW
COP Tj = +2°C	3.90	3.35
Pdh Tj = +7°C	5.40 kW	4.38 kW
COP Tj = +7°C	5.00	4.35
Pdh Tj = 12°C	3.50 kW	3.60 kW
COP Tj = 12°C	6.00	5.50
Pdh Tj = Tbiv	13.80 kW	11.20 kW
COP Tj = Tbiv	2.40	1.60
Pdh Tj = TOL	14.10 kW	11.70 kW
COP Tj = TOL	2.30	1.55
Cdh	0.90	0.90
WTOL	55 °C	55 °C
Poff	13 W	13 W

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PTO	0 W	0 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.90 kW	2.30 kW
Annual energy consumption Q _{he}	8239 kWh	8122 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	69 dB(A)	69 dB(A)