

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

Summary of	17. Yutaki S80 6.0HP (tri)	Reg. No.	041-K002-17
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	17. Yutaki S80 6.0HP (tri)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	3.4 kg		

Model: RAS-6WHNPE RWH-6.0NFE - Type 1

General Data

Power supply	3x400V 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	5.16 kW
COP	4.57	3.10
Indoor water flow rate	2.74 m ³ /h	1.71 m ³ /h

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	58 dB(A)	58 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	150 %	125 %
Prated	16.00 kW	16.00 kW
SCOP	3.83	3.20
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	13.80 kW	14.15 kW
COP Tj = -7°C	2.40	2.05
Pdh Tj = +2°C	8.40 kW	8.62 kW
COP Tj = +2°C	3.90	2.95
Pdh Tj = +7°C	5.40 kW	5.54 kW
COP Tj = +7°C	5.00	4.60
Pdh Tj = 12°C	3.50 kW	4.10 kW
COP Tj = 12°C	6.00	6.40
Pdh Tj = Tbiv	13.80 kW	16.00 kW

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COP Tj = Tbiv	2.40	1.90
Pdh Tj = TOL	14.10 kW	16.00 kW
COP Tj = TOL	2.30	1.90
Cdh	0.90	0.90
WTOL	55 °C	55 °C
Poff	44 W	44 W
PTO	0 W	0 W
PSB	44 W	44 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.90 kW	0.00 kW
Annual energy consumption Qhe	8401 kWh	10335 kWh

Model: RAS-6WHNPE RWH-6.0NFWE - Type 2

General Data

Power supply	3x400V 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
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Pdh Tj = 12°C	3.50 kW	4.10 kW
COP Tj = 12°C	6.00	6.40
Pdh Tj = Tbiv	13.80 kW	16.00 kW

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COP $T_j = T_{biv}$	2.40	1.90
P _{dh} $T_j = TOL$	14.10 kW	16.00 kW
COP $T_j = TOL$	2.30	1.90
C _{dh}	0.90	0.90
WTOL	55 °C	55 °C
P _{off}	44 W	44 W
P _{TO}	0 W	0 W
P _{SB}	44 W	44 W
P _{CK}	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: P _{SUP}	1.90 kW	0.00 kW
Annual energy consumption Q _{he}	8401 kWh	10335 kWh