This information was generated by the HP KEYMARK database on 18 Mar 2022

Login

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 Global Limited		
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

Configure model	
Model name	RAS-6WHNPE RWH-6.0NFE - Type 1
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

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

Average Climate

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

COP Tj = Tbiv	2.40	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.10 kW	16.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Configure model	
Model name	RAS-6WHNPE RWH-6.0NFWE - Type 2
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

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

Average Climate

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

COP Tj = Tbiv	2.40	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.10 kW	16.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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