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Summary of	26. Yutaki S Combi Lite 2.5HP	Reg. No.	041-K002-26
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	26. Yutaki S Combi Lite 2.5HP		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.3 kg		

Model: RAS-2.5WHVN RWD-2.5NWLE-200S - Heating Only

Configure model	
Model name	RAS-2.5WHVN RWD-2.5NWLE-200S - Heating Only
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.33 kW	2.18 kW
COP	4.50	2.75

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	51 dB(A)	51 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	165 %	125 %
Prated	5.00 kW	5.00 kW
SCOP	4.21	3.20
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.55 kW	4.30 kW
COP Tj = -7°C	2.55	1.85
Pdh Tj = +2°C	2.77 kW	2.62 kW
COP Tj = +2°C	4.00	3.08
Pdh Tj = +7°C	2.50 kW	2.40 kW
COP Tj = +7°C	6.45	4.90
Pdh Tj = 12°C	2.85 kW	2.54 kW
COP Tj = 12°C	8.00	6.30

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Pdh Tj = Tbiv	4.55 kW	4.30 kW
COP Tj = Tbiv	2.55	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.30 kW	3.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	0 W	0 W
PSB	3 W	3 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	1.00 kW
Annual energy consumption Qhe	2524 kWh	3136 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	125 %
COP	3.30
Heating up time	2:00 h:min
Standby power input	28.0 W
Reference hot water temperature	53.5 °C
Mixed water at 40°C	250 l

Model: RAS-2.5WHVNP RWD-2.5NWLE-200S - with cooling kit

Configure model	
Model name	RAS-2.5WHVNP RWD-2.5NWLE-200S - with cooling kit
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.33 kW	2.18 kW
COP	4.50	2.75

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	51 dB(A)	51 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	166 %	126 %
Prated	5.00 kW	5.00 kW
SCOP	4.23	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.55 kW	4.30 kW
COP Tj = -7°C	2.55	1.85
Pdh Tj = +2°C	2.77 kW	2.62 kW
COP Tj = +2°C	4.00	3.08
Pdh Tj = +7°C	2.50 kW	2.40 kW
COP Tj = +7°C	6.45	4.90
Pdh Tj = 12°C	2.85 kW	2.54 kW
COP Tj = 12°C	8.00	6.30

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Pdh Tj = Tbiv	4.55 kW	4.30 kW
COP Tj = Tbiv	2.55	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.30 kW	3.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	0 W	0 W
PSB	3 W	3 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	1.00 kW
Annual energy consumption Qhe	2513 kWh	3125 kWh

Domestic Hot Water (DHW)

Average Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	125 %
COP	3.30
Heating up time	2:00 h:min
Standby power input	28.0 W
Reference hot water temperature	53.5 °C
Mixed water at 40°C	250 l