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Login

Summary of	25. Yutaki S Combi Lite 2.0HP	Reg. No.	041-K002-25
Certificate Holder			
Name	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	25. Yutaki S Combi Lite 2.0HP		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.2 kg		



Model: RAS-2WHVN RWD-2.0NWLE-200S - Heating Only

Configure model		
Model name	RAS-2WHVN RWD-2.0NWLE-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 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit		
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	4.00 kW	3.75 kW
El input	0.85 kW	1.38 kW
СОР	4.70	2.70

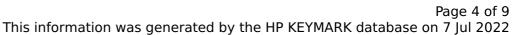


Average Climate

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}	167 %	117 %
Prated	4.00 kW	4.00 kW
SCOP	4.25	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.55 kW	3.50 kW
COP Tj = -7° C	2.35	1.90
Pdh Tj = $+2$ °C	2.15 kW	2.10 kW
$COPTj = +2^{\circ}C$	4.21	2.95
Pdh Tj = $+7^{\circ}$ C	1.70 kW	1.40 kW
$COPTj = +7^{\circ}C$	6.10	4.10
Pdh Tj = 12°C	2.15 kW	2.00 kW
COP Tj = 12°C	9.00	4.81

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	<u> </u>	
Pdh Tj = Tbiv	3.55 kW	3.50 kW
COP Tj = Tbiv	2.35	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.50 kW	3.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.10	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
РТО	o w	o w
PSB	3 W	3 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.50 kW	0.90 kW
Annual energy consumption Qhe	1953 kWh	2727 kWh

Domestic Hot Water (DHW)

Average Climate





EN 16147	
Declared load profile	L
Efficiency ηDHW	125 %
СОР	3.30
Heating up time	2:13 h:min
Standby power input	30.0 W
Reference hot water temperature	53.5 °C
Mixed water at 40°C	250 I

Model: RAS-2WHVN RWD-2.0NWLE-200S - with cooling kit

Configure model		
Model name	RAS-2WHVN RWD-2.0NWLE-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 14511-4	
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	4.00 kW	3.75 kW		
El input	0.85 kW	1.38 kW		
СОР	4.70	2.70		

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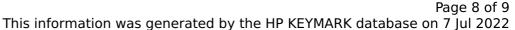


Average Climate

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			
168 %	117 %			
4.00 kW	4.00 kW			
4.27	3.01			
-7 °C	-7 °C			
-10 °C	-10 °C			
3.55 kW	3.50 kW			
2.35	1.90			
2.15 kW	2.10 kW			
4.21	2.95			
1.70 kW	1.40 kW			
6.10	4.10			
2.15 kW	2.00 kW			
9.00	4.81			
	Low temperature 168 % 4.00 kW 4.27 -7 °C -10 °C 3.55 kW 2.35 2.15 kW 4.21 1.70 kW 6.10 2.15 kW			

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Pdh Tj = Tbiv3.55 kW 3.50 kW COP Tj = Tbiv 2.35 1.90 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 3.50 kW 3.10 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.10 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

0.50 kW

1942 kWh

0.90 kW

2716 kWh

Domestic Hot Water (DHW)

Average Climate

Supplementary Heater: PSUP

Annual energy consumption Qhe





EN 16147			
Declared load profile	L		
Efficiency ηDHW	125 %		
СОР	3.30		
Heating up time	2:13 h:min		
Standby power input	30.0 W		
Reference hot water temperature	53.5 °C		
Mixed water at 40°C	250 l		