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This information was generated by the HP KEYMARK database on 7 Jul 2022

Login

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	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			



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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 14511-4	
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

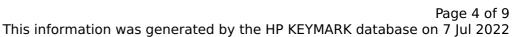
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.33 kW	2.18 kW
СОР	4.50	2.75



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





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
РТО	0 W	0 W
PSB	3 W	3 W
PCK	o w	o 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





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EN 16147	
Declared load profile	L
Efficiency ηDHW	125 %
СОР	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 I



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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 14511-4		
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	

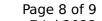
EN 14511-2				
	Low temperature	Medium temperature		
Heat output	6.00 kW	6.00 kW		
El input	1.33 kW	2.18 kW		
СОР	4.50	2.75		



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		
$COP Tj = +2^{\circ}C$	4.00	3.08		
Pdh Tj = $+7^{\circ}$ 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		
РТО	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		

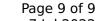
2513 kWh

3125 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe

Average Climate



250 I



Mixed water at 40°C

This information was generated by the HP KEYMARK database on 7 Jul 2022 **EN 16147** Declared load profile 125 % Efficiency ηDHW COP 3.30 2:00 h:min Heating up time Standby power input 28.0 W 53.5 °C Reference hot water temperature