

Summary of	08. Yutaki S Combi 200L 3.0HP R32	Reg. No.	041-K002-36	
Certificate Holder				
Name	Johnson Controls-Hitachi AirConditioning Sp	Johnson Controls-Hitachi AirConditioning Spain		
Address	Ronda Shimizu, 1. Pol. Ind. Can Torrella Zip 08233		08233	
City	Vacarisses, Barcelona	Country	Spain	
Certification Body	BRE Energy & Communications Division			
Name of testing laboratory	CEIS			
Subtype title	08. Yutaki S Combi 200L 3.0HP R32			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass Of Refrigerant	1.3 kg			
Certification Date	08.08.2019			



Model: 01. RAS-3WHVRP RWD-3.0NRWE-200S - Heating Only

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	8.00 kW	8.00 kW	
El input	1.74 kW	2.86 kW	
СОР	4.60	2.80	
Indoor water flow rate	1.37 m³/h	0.86 m³/h	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	67 dB(A)	69 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	177 %	125 %
Prated	7.00 kW	6.00 kW
SCOP	4.50	3.20
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.90 kW	5.10 kW
COP Tj = -7°C	2.65	1.84
Cdh	1.00	1.00
Pdh Tj = +2°C	3.59 kW	3.10 kW
COP Tj = +2°C	4.30	3.10
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	2.00 kW
COP Tj = +7°C	7.00	4.65
Cdh	0.90	0.90

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Pdh Tj = 12°C	3.50 kW	2.20 kW
COP Tj = 12°C	9.70	6.55
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.90 kW	5.10 kW
COP Tj = Tbiv	2.65	1.84
Pdh Tj = TOL	6.40 kW	5.00 kW
COP Tj = TOL	2.30	1.50
WTOL	55 °C	55 °C
Poff	12 W	12 W
РТО	o w	0 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.60 kW	1.50 kW
Annual energy consumption Qhe	3068 kWh	3724 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	132 %	
СОР	3.30	
Heating up time	1:43 h:min	
Standby power input	37.0 W	
Reference hot water temperature	54.0 °C	
Mixed water at 40°C	263 I	



Model: 02. RAS-3WHVRP RWD-3.0NRWE-200S - with cooling kit

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	8.00 kW	8.00 kW	
El input	1.74 kW	2.86 kW	
СОР	4.60	2.80	
Indoor water flow rate	1.37 m³/h	0.86 m³/h	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	67 dB(A)	69 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	127 %
Prated	7.00 kW	6.00 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.90 kW	5.10 kW
COP Tj = -7°C	2.65	1.84
Cdh	1.00	1.00
Pdh Tj = +2°C	3.59 kW	3.10 kW
COP Tj = +2°C	4.30	3.10
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	2.00 kW
COP Tj = +7°C	7.00	4.65
Cdh	0.90	0.90

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Pdh Tj = 12°C	3.50 kW	2.20 kW
COP Tj = 12°C	9.70	6.55
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.90 kW	5.10 kW
COP Tj = Tbiv	2.65	1.84
Pdh Tj = TOL	6.40 kW	5.00 kW
COP Tj = TOL	2.30	1.50
WTOL	55 °C	55 °C
Poff	12 W	12 W
РТО	0 W	0 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.60 kW	1.50 kW
Annual energy consumption Qhe	3024 kWh	3680 kWh

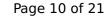
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	1.94 kW	1.4 kW
Cooling capacity	6.5	7
EER	3.35	5

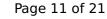
EN 14825





	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	7 kW
SEER	5.27	8.35
Pdc Tj = 35°C	6.5 kW	7 kW
EER Tj = 35°C	3.35	5
Pdc Tj = 30°C	4.79 kW	5.16 kW
EER Tj = 30°C	4.5	6.4
Cdc	1	1
Pdc Tj = 25°C	2.9 kW	3.32 kW
EER Tj = 25°C	6	10
Cdc	1	1
Pdc Tj = 20°C	3.4 kW	3.6 kW
EER Tj = 20°C	7.5	13.5
Cdc	0.9	0.9
Poff	12 W	12 W
РТО	o w	o w
PSB	12 W	12 W
PCK	o w	o w
Annual energy consumption Qce	740 kWh	503 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	132 %	
COP	3.30	
Heating up time	1:43 h:min	
Standby power input	37.0 W	
Reference hot water temperature	54.0 °C	
Mixed water at 40°C	263 I	



Model: 03. RAS-3WHVRP RWD-3.0NRWE-200S-K -UK Version - Heating Only

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2				
	Low temperature	Medium temperature		
Heat output	8.00 kW	8.00 kW		
El input	1.74 kW	2.86 kW		
СОР	4.60	2.80		
Indoor water flow rate	1.37 m³/h	0.86 m³/h		

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Starting and operating test	passed	

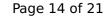


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EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	37 dB(A)	37 dB(A)	
Sound power level outdoor	67 dB(A)	69 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	177 %	125 %
Prated	7.00 kW	6.00 kW
SCOP	4.50	3.20
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.90 kW	5.10 kW
COP Tj = -7°C	2.65	1.84
Cdh	1.00	1.00
Pdh Tj = +2°C	3.59 kW	3.10 kW
COP Tj = +2°C	4.30	3.10
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	2.00 kW
COP Tj = +7°C	7.00	4.65
Cdh	0.90	0.90

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3.50 kW	2.20 kW
9.70	6.55
0.90	0.90
5.90 kW	5.10 kW
2.65	1.84
6.40 kW	5.00 kW
2.30	1.50
55 °C	55 °C
12 W	12 W
0 W	0 W
12 W	12 W
0 W	0 W
electricity	electricity
0.60 kW	1.50 kW
3068 kWh	3724 kWh
	9.70 0.90 5.90 kW 2.65 6.40 kW 2.30 55 °C 12 W 0 W 12 W 0 W electricity 0.60 kW

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	132 %	
СОР	3.30	
Heating up time	1:43 h:min	
Standby power input	37.0 W	
Reference hot water temperature	54.0 °C	
Mixed water at 40°C	263 I	



Model: 04. RAS-3WHVRP RWD-3.0NRWE-200S-K -UK Version - with cooling kit

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	8.00 kW	8.00 kW	
El input	1.74 kW	2.86 kW	
СОР	4.60	2.80	
Indoor water flow rate	1.37 m³/h	0.86 m³/h	

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Starting and operating test	passed	

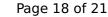


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	67 dB(A)	69 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	127 %
Prated	7.00 kW	6.00 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.90 kW	5.10 kW
COP Tj = -7°C	2.65	1.84
Cdh	1.00	1.00
Pdh Tj = +2°C	3.59 kW	3.10 kW
COP Tj = +2°C	4.30	3.10
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	2.00 kW
COP Tj = +7°C	7.00	4.65
Cdh	0.90	0.90

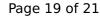
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COP Tj = 12°C	9.70	6.55
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.90 kW	5.10 kW
COP Tj = Tbiv	2.65	1.84
Pdh Tj = TOL	6.40 kW	5.00 kW
COP Tj = TOL	2.30	1.50
WTOL	55 °C	55 °C
Poff	12 W	12 W
РТО	0 W	0 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.60 kW	1.50 kW
Annual energy consumption Qhe	3024 kWh	3680 kWh

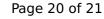
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	1.94 kW	1.4 kW
Cooling capacity	6.5	7
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EN 14825





	+7°C/+12°C	+18°C/+23°C
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SEER	5.27	8.35
Pdc Tj = 35°C	6.5 kW	7 kW
EER Tj = 35°C	3.35	5
Pdc Tj = 30°C	4.79 kW	5.16 kW
EER Tj = 30°C	4.5	6.4
Cdc	1	1
Pdc Tj = 25°C	2.9 kW	3.32 kW
EER Tj = 25°C	6	10
Cdc	1	1
Pdc Tj = 20°C	3.4 kW	3.6 kW
EER Tj = 20°C	7.5	13.5
Cdc	0.9	0.9
Poff	12 W	12 W
РТО	o w	o w
PSB	12 W	12 W
PCK	o w	o w
Annual energy consumption Qce	740 kWh	503 kWh

Domestic Hot Water (DHW)



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EN 16147		
Declared load profile	L	
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СОР	3.30	
Heating up time	1:43 h:min	
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