

Summary of	06. Yutaki S Combi 260L 2.5HP R32	Reg. No.	041-K002-34
Certificate Holder			
Name	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	06. Yutaki S Combi 260L 2.5HP R32		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	1.3 kg		
Certification Date	08.08.2019		



Model: 01. RAS-2.5WHVRP RWD-2.5NRWE-260S - Heating Only

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.25 kW	2.11 kW
СОР	4.80	2.85
Indoor water flow rate	1.03 m³/h	0.64 m³/h

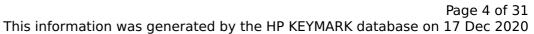
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	177 %	127 %
Prated	6.00 kW	5.00 kW
SCOP	4.50	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.10 kW	4.42 kW
COP Tj = -7°C	2.70	1.85
Cdh	1.00	1.00
Pdh Tj = +2°C	3.10 kW	2.69 kW
COP Tj = +2°C	4.60	3.30
Cdh	1.00	1.00
Pdh Tj = +7°C	3.00 kW	2.43 kW
COP Tj = +7°C	6.20	4.60
Cdh	0.90	0.90

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	iciated by the III REIM	ANN database on 17 Dec 202
Pdh Tj = 12°C	3.05 kW	2.80 kW
COP Tj = 12°C	8.35	6.35
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.10 kW	4.42 kW
COP Tj = Tbiv	2.70	1.85
Pdh Tj = TOL	5.30 kW	3.90 kW
COP Tj = TOL	2.50	1.70
WTOL	55 °C	55 °C
Poff	12 W	12 W
РТО	o w	0 W
PSB	12 W	12 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.25 kW	1.10 kW

Domestic Hot Water (DHW)

Annual energy consumption Qhe

Average Climate

2652 kWh

3186 kWh



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EN 16147	
Declared load profile	XL
Efficiency ηDHW	136 %
СОР	3.40
Heating up time	2:20 h:min
Standby power input	37.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 I



Model: 02. RAS-2.5WHVRP RWD-2.5NRWE-260S - with cooling kit

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.25 kW	2.11 kW
СОР	4.80	2.85
Indoor water flow rate	1.03 m³/h	0.64 m³/h

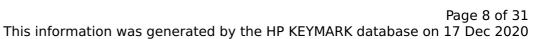
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	180 %	128 %
Prated	6.00 kW	5.00 kW
SCOP	4.58	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.10 kW	4.42 kW
COP Tj = -7°C	2.70	1.85
Cdh	1.00	1.00
Pdh Tj = +2°C	3.10 kW	2.69 kW
COP Tj = +2°C	4.60	3.30
Cdh	1.00	1.00
Pdh Tj = +7°C	3.00 kW	2.43 kW
COP Tj = +7°C	6.20	4.60
Cdh	0.90	0.90

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Pdh Tj = 12°C	3.05 kW	2.80 kW
COP Tj = 12°C	8.35	6.35
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.10 kW	4.42 kW
COP Tj = Tbiv	2.70	1.85
Pdh Tj = TOL	5.30 kW	3.90 kW
COP Tj = TOL	2.50	1.70
WTOL	55 °C	55 °C
Poff	12 W	12 W
РТО	o w	o w
PSB	12 W	12 W
PCK	o w	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.25 kW	1.10 kW
Annual energy consumption Qhe	2608 kWh	3143 kWh

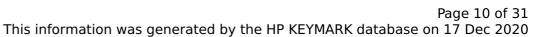
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	1.47 kW	1.19 kW
Cooling capacity	5.3	6.3
EER	3.6	5.3

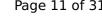
EN 14825





	+7°C/+12°C	+18°C/+23°C
Pdesignc	5.3 kW	6.3 kW
SEER	5.53	8.5
Pdc Tj = 35°C	5.3 kW	6.3 kW
EER Tj = 35°C	3.6	5.3
Pdc Tj = 30°C	3.91 kW	4.64 kW
EER Tj = 30°C	4.5	7
Cdc	1	1
Pdc Tj = 25°C	2.51 kW	2.98 kW
EER Tj = 25°C	6.3	9.9
Cdc	1	1
Pdc Tj = 20°C	2.88 kW	2.65 kW
EER Tj = 20°C	8.56	12.6
Cdc	0.9	0.9
Poff	12 W	12 W
РТО	0 W	0 W
PSB	12 W	12 W
PCK	0 W	0 W
Annual energy consumption Qce	575 kWh	337 kWh

Domestic Hot Water (DHW)





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EN 16147	
Declared load profile	XL
Efficiency ηDHW	136 %
СОР	3.40
Heating up time	2:20 h:min
Standby power input	37.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 l



Model: 03. RAS-2.5WHVRP RWD-2.5NRWE-260S-K - UK Version - Heating Only

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.00 kW	6.00 kW	
El input	1.25 kW	2.11 kW	
СОР	4.80	2.85	
Indoor water flow rate	1.03 m³/h	0.64 m³/h	

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



 $$\operatorname{\textit{Page}}\ 13$$ of 31 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

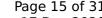
EN 14825		
	Low temperature	Medium temperature
η_{s}	177 %	127 %
Prated	6.00 kW	5.00 kW
SCOP	4.50	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.10 kW	4.42 kW
COP Tj = -7°C	2.70	1.85
Cdh	1.00	1.00
Pdh Tj = +2°C	3.10 kW	2.69 kW
COP Tj = +2°C	4.60	3.30
Cdh	1.00	1.00
Pdh Tj = +7°C	3.00 kW	2.43 kW
COP Tj = +7°C	6.20	4.60
Cdh	0.90	0.90

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3.05 kW	2.80 kW
8.35	6.35
0.90	0.90
5.10 kW	4.42 kW
2.70	1.85
5.30 kW	3.90 kW
2.50	1.70
55 °C	55 °C
12 W	12 W
0 W	o w
12 W	12 W
0 W	o w
electricity	electricity
0.25 kW	1.10 kW
2652 kWh	3186 kWh
	8.35 0.90 5.10 kW 2.70 5.30 kW 2.50 55 °C 12 W 0 W 12 W 0 W electricity 0.25 kW

Domestic Hot Water (DHW)





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EN 16147	
Declared load profile	XL
Efficiency ηDHW	136 %
СОР	3.40
Heating up time	2:20 h:min
Standby power input	37.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 l



Model: 04. RAS-2.5WHVRP RWD-2.5NRWE-260S-K - UK Version - with cooling kit

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.25 kW	2.11 kW
СОР	4.80	2.85
Indoor water flow rate	1.03 m³/h	0.64 m³/h

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



 $$\operatorname{\textit{Page}}\ 17$$ of 31 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	180 %	128 %
Prated	6.00 kW	5.00 kW
SCOP	4.58	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.10 kW	4.42 kW
COP Tj = -7°C	2.70	1.85
Cdh	1.00	1.00
Pdh Tj = +2°C	3.10 kW	2.69 kW
COP Tj = +2°C	4.60	3.30
Cdh	1.00	1.00
Pdh Tj = +7°C	3.00 kW	2.43 kW
COP Tj = +7°C	6.20	4.60
Cdh	0.90	0.90

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Pdh Tj = 12°C	3.05 kW	2.80 kW
COP Tj = 12°C	8.35	6.35
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.10 kW	4.42 kW
COP Tj = Tbiv	2.70	1.85
Pdh Tj = TOL	5.30 kW	3.90 kW
COP Tj = TOL	2.50	1.70
WTOL	55 °C	55 °C
Poff	12 W	12 W
РТО	o w	0 W
PSB	12 W	12 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.25 kW	1.10 kW
Annual energy consumption Qhe	2608 kWh	3143 kWh

Cooling

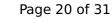




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EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	1.47 kW	1.19 kW
Cooling capacity	5.3	6.3
EER	3.6	5.3

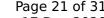
EN 14825





	+7°C/+12°C	+18°C/+23°C
Pdesignc	5.3 kW	6.3 kW
SEER	5.53	8.5
Pdc Tj = 35°C	5.3 kW	6.3 kW
EER Tj = 35°C	3.6	5.3
Pdc Tj = 30°C	3.91 kW	4.64 kW
EER Tj = 30°C	4.5	7
Cdc	1	1
Pdc Tj = 25°C	2.51 kW	2.98 kW
EER Tj = 25°C	6.3	9.9
Cdc	1	1
Pdc Tj = 20°C	2.88 kW	2.65 kW
EER Tj = 20°C	8.56	12.6
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	575 kWh	337 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	XL	
Efficiency ηDHW	136 %	
СОР	3.40	
Heating up time	2:20 h:min	
Standby power input	37.0 W	
Reference hot water temperature	54.0 °C	
Mixed water at 40°C	350 I	



Model: 05. RAS-2.5WHVRP RWD-2.5NRWSE-260S - Solar Version - Heating Only

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.25 kW	2.11 kW
СОР	4.80	2.85
Indoor water flow rate	1.03 m³/h	0.64 m³/h

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

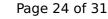


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	177 %	127 %
Prated	6.00 kW	5.00 kW
SCOP	4.50	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.10 kW	4.42 kW
COP Tj = -7°C	2.70	1.85
Cdh	1.00	1.00
Pdh Tj = +2°C	3.10 kW	2.69 kW
COP Tj = +2°C	4.60	3.30
Cdh	1.00	1.00
Pdh Tj = +7°C	3.00 kW	2.43 kW
COP Tj = +7°C	6.20	4.60
Cdh	0.90	0.90

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Pdh Tj = 12°C	3.05 kW	2.80 kW
COP Tj = 12°C	8.35	6.35
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.10 kW	4.42 kW
COP Tj = Tbiv	2.70	1.85
Pdh Tj = TOL	5.30 kW	3.90 kW
COP Tj = TOL	2.50	1.70
WTOL	55 °C	55 °C
Poff	12 W	12 W
РТО	o w	o w
PSB	12 W	12 W
PCK	o w	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.25 kW	1.10 kW
Annual energy consumption Qhe	2652 kWh	3186 kWh

Domestic Hot Water (DHW)



$$\operatorname{\textit{Page}}\xspace$ 25 of 31 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147	
Declared load profile	XL
Efficiency ηDHW	136 %
СОР	3.40
Heating up time	2:20 h:min
Standby power input	37.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 I



Model: 06. RAS-2.5WHVRP RWD-2.5NRWSE-260S - Solar Version - with cooling kit

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.00 kW	6.00 kW	
El input	1.25 kW	2.11 kW	
СОР	4.80	2.85	
Indoor water flow rate	1.03 m³/h	0.64 m³/h	

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

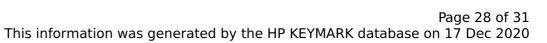


 $$\operatorname{\textit{Page}}\xspace$ 27 of 31 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	180 %	128 %
Prated	6.00 kW	5.00 kW
SCOP	4.58	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.10 kW	4.42 kW
COP Tj = -7°C	2.70	1.85
Cdh	1.00	1.00
Pdh Tj = +2°C	3.10 kW	2.69 kW
COP Tj = +2°C	4.60	3.30
Cdh	1.00	1.00
Pdh Tj = +7°C	3.00 kW	2.43 kW
COP Tj = +7°C	6.20	4.60
Cdh	0.90	0.90

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Pdh Tj = 12°C	3.05 kW	2.80 kW
COP Tj = 12°C	8.35	6.35
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.10 kW	4.42 kW
COP Tj = Tbiv	2.70	1.85
Pdh Tj = TOL	5.30 kW	3.90 kW
COP Tj = TOL	2.50	1.70
WTOL	55 °C	55 °C
Poff	12 W	12 W
РТО	o w	o w
PSB	12 W	12 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.25 kW	1.10 kW
Annual energy consumption Qhe	2608 kWh	3143 kWh

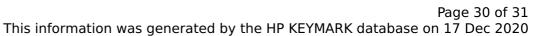
Cooling





EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	1.47 kW	1.19 kW	
Cooling capacity	5.3	6.3	
EER	3.6	5.3	

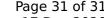
EN 14825





	+7°C/+12°C	+18°C/+23°C
Pdesignc	5.3 kW	6.3 kW
SEER	5.53	8.5
Pdc Tj = 35°C	5.3 kW	6.3 kW
EER Tj = 35°C	3.6	5.3
Pdc Tj = 30°C	3.91 kW	4.64 kW
EER Tj = 30°C	4.5	7
Cdc	1	1
Pdc Tj = 25°C	2.51 kW	2.98 kW
EER Tj = 25°C	6.3	9.9
Cdc	1	1
Pdc Tj = 20°C	2.88 kW	2.65 kW
EER Tj = 20°C	8.56	12.6
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	575 kWh	337 kWh

Domestic Hot Water (DHW)





 $$\operatorname{\textit{Page}}\ 31$$ of 31 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	136 %	
СОР	3.40	
Heating up time	2:20 h:min	
Standby power input	37.0 W	
Reference hot water temperature	54.0 °C	
Mixed water at 40°C	350 I	