

This information was generated by the HP KEYMARK database on 17 Dec 2020

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
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
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.25 kW	2.11 kW
COP	4.80	2.85
Indoor water flow rate	1.03 m <sup>3</sup> /h	0.64 m <sup>3</sup> /h

### EN 14511-4

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

## Average Climate

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
$\eta_s$	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

This information was generated by the HP KEYMARK database on 17 Dec 2020

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
PTO	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	0.25 kW	1.10 kW
Annual energy consumption Qhe	2652 kWh	3186 kWh

## Domestic Hot Water (DHW)

### Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	136 %
COP	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: 02. RAS-2.5WHVRP RWD-2.5NRWE-260S - with cooling kit

## General Data

Power supply	1x230V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.25 kW	2.11 kW
COP	4.80	2.85
Indoor water flow rate	1.03 m <sup>3</sup> /h	0.64 m <sup>3</sup> /h

### EN 14511-4

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

## Average Climate

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
$\eta_s$	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

This information was generated by the HP KEYMARK database on 17 Dec 2020

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
PTO	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	0.25 kW	1.10 kW
Annual energy consumption Qhe	2608 kWh	3143 kWh

## Cooling



This information was generated by the HP KEYMARK database on 17 Dec 2020

### 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

This information was generated by the HP KEYMARK database on 17 Dec 2020

	<b>+7°C/+12°C</b>	<b>+18°C/+23°C</b>
P <sub>designc</sub>	5.3 kW	6.3 kW
SEER	5.53	8.5
P <sub>dc</sub> T <sub>j</sub> = 35°C	5.3 kW	6.3 kW
EER T <sub>j</sub> = 35°C	3.6	5.3
P <sub>dc</sub> T <sub>j</sub> = 30°C	3.91 kW	4.64 kW
EER T <sub>j</sub> = 30°C	4.5	7
C <sub>dc</sub>	1	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	2.51 kW	2.98 kW
EER T <sub>j</sub> = 25°C	6.3	9.9
C <sub>dc</sub>	1	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	2.88 kW	2.65 kW
EER T <sub>j</sub> = 20°C	8.56	12.6
C <sub>dc</sub>	0.9	0.9
P <sub>off</sub>	12 W	12 W
PTO	0 W	0 W
PSB	12 W	12 W
PCK	0 W	0 W
Annual energy consumption Q <sub>ce</sub>	575 kWh	337 kWh

## Domestic Hot Water (DHW)

### Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	136 %
COP	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
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.25 kW	2.11 kW
COP	4.80	2.85
Indoor water flow rate	1.03 m <sup>3</sup> /h	0.64 m <sup>3</sup> /h

### EN 14511-4

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

## Average Climate

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
$\eta_s$	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

This information was generated by the HP KEYMARK database on 17 Dec 2020

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
PTO	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	0.25 kW	1.10 kW
Annual energy consumption Qhe	2652 kWh	3186 kWh

## Domestic Hot Water (DHW)

### Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	136 %
COP	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
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.25 kW	2.11 kW
COP	4.80	2.85
Indoor water flow rate	1.03 m <sup>3</sup> /h	0.64 m <sup>3</sup> /h

### EN 14511-4

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

## Average Climate



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
$\eta_s$	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

This information was generated by the HP KEYMARK database on 17 Dec 2020

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
PTO	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	0.25 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

This information was generated by the HP KEYMARK database on 17 Dec 2020

	<b>+7°C/+12°C</b>	<b>+18°C/+23°C</b>
P <sub>designc</sub>	5.3 kW	6.3 kW
SEER	5.53	8.5
P <sub>dc</sub> T <sub>j</sub> = 35°C	5.3 kW	6.3 kW
EER T <sub>j</sub> = 35°C	3.6	5.3
P <sub>dc</sub> T <sub>j</sub> = 30°C	3.91 kW	4.64 kW
EER T <sub>j</sub> = 30°C	4.5	7
C <sub>dc</sub>	1	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	2.51 kW	2.98 kW
EER T <sub>j</sub> = 25°C	6.3	9.9
C <sub>dc</sub>	1	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	2.88 kW	2.65 kW
EER T <sub>j</sub> = 20°C	8.56	12.6
C <sub>dc</sub>	0.9	0.9
P <sub>off</sub>	12 W	12 W
P <sub>TO</sub>	0 W	0 W
P <sub>SB</sub>	12 W	12 W
P <sub>CK</sub>	0 W	0 W
Annual energy consumption Q <sub>ce</sub>	575 kWh	337 kWh

## Domestic Hot Water (DHW)

### Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	136 %
COP	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: 05. RAS-2.5WHVRP RWD-2.5NRWSE-260S - Solar Version - Heating Only

## General Data

Power supply	1x230V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.25 kW	2.11 kW
COP	4.80	2.85
Indoor water flow rate	1.03 m <sup>3</sup> /h	0.64 m <sup>3</sup> /h

### EN 14511-4

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

## Average Climate

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
$\eta_s$	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

This information was generated by the HP KEYMARK database on 17 Dec 2020

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
PTO	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	0.25 kW	1.10 kW
Annual energy consumption Qhe	2652 kWh	3186 kWh

## Domestic Hot Water (DHW)

### Average Climate



This information was generated by the HP KEYMARK database on 17 Dec 2020

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	136 %
COP	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: 06. RAS-2.5WHVRP RWD-2.5NRWSE-260S - Solar Version - with cooling kit

## General Data

Power supply	1x230V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.25 kW	2.11 kW
COP	4.80	2.85
Indoor water flow rate	1.03 m <sup>3</sup> /h	0.64 m <sup>3</sup> /h

### EN 14511-4

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

## Average Climate

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
$\eta_s$	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

This information was generated by the HP KEYMARK database on 17 Dec 2020

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
PTO	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	0.25 kW	1.10 kW
Annual energy consumption Qhe	2608 kWh	3143 kWh

## Cooling

This information was generated by the HP KEYMARK database on 17 Dec 2020

### 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

This information was generated by the HP KEYMARK database on 17 Dec 2020

	<b>+7°C/+12°C</b>	<b>+18°C/+23°C</b>
P <sub>designc</sub>	5.3 kW	6.3 kW
SEER	5.53	8.5
P <sub>dc</sub> T <sub>j</sub> = 35°C	5.3 kW	6.3 kW
EER T <sub>j</sub> = 35°C	3.6	5.3
P <sub>dc</sub> T <sub>j</sub> = 30°C	3.91 kW	4.64 kW
EER T <sub>j</sub> = 30°C	4.5	7
C <sub>dc</sub>	1	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	2.51 kW	2.98 kW
EER T <sub>j</sub> = 25°C	6.3	9.9
C <sub>dc</sub>	1	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	2.88 kW	2.65 kW
EER T <sub>j</sub> = 20°C	8.56	12.6
C <sub>dc</sub>	0.9	0.9
P <sub>off</sub>	12 W	12 W
P <sub>TO</sub>	0 W	0 W
P <sub>SB</sub>	12 W	12 W
P <sub>CK</sub>	0 W	0 W
Annual energy consumption Q <sub>ce</sub>	575 kWh	337 kWh

## Domestic Hot Water (DHW)

### Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	136 %
COP	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