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Summary of	09. Yutaki S Combi 260L 3.0HP R32	Reg. No.	041-K002-37
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 Global Limited		
Subtype title	09. Yutaki S Combi 260L 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-260S - Heating Only

Configure model	
Model name	01. RAS-3WHVRP RWD-3.0NRWE-260S - 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 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	8.00 kW
El input	1.74 kW	2.86 kW
COP	4.60	2.80

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

## Average Climate

### 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
$\eta_s$	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.59 kW	3.10 kW
COP Tj = +2°C	4.30	3.10
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.20 kW	2.00 kW
COP Tj = +7°C	7.00	4.65
Cdh Tj = +7 °C	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 Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.90 kW	5.10 kW
COP Tj = Tbiv	2.65	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.40 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.50
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	0.60 kW	1.50 kW
Annual energy consumption Qhe	3068 kWh	3724 kWh

## Domestic Hot Water (DHW)

### Average Climate

This information was generated by the HP KEYMARK database on 21 Jun 2022

<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-3WHVRP RWD-3.0NRWE-260S - with cooling kit

Configure model	
Model name	02. RAS-3WHVRP RWD-3.0NRWE-260S - with cooling kit
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C

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
COP	4.60	2.80

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

## 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

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	<b>+7°C/+12°C</b>	<b>+18°C/+23°C</b>
P <sub>designc</sub>	6.5 kW	7 kW
SEER	5.27	8.35
P <sub>dc</sub> T <sub>j</sub> = 35°C	6.5 kW	7 kW
EER T <sub>j</sub> = 35°C	3.35	5
P <sub>dc</sub> T <sub>j</sub> = 30°C	4.79 kW	5.16 kW
EER T <sub>j</sub> = 30°C	4.5	6.4
C <sub>dc</sub>	1	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	2.9 kW	3.32 kW
EER T <sub>j</sub> = 25°C	6	10
C <sub>dc</sub>	1	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	3.4 kW	3.6 kW
EER T <sub>j</sub> = 20°C	7.5	13.5
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>	740 kWh	503 kWh

## Average Climate



This information was generated by the HP KEYMARK database on 21 Jun 2022

### 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
$\eta_s$	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.59 kW	3.10 kW
COP Tj = +2°C	4.30	3.10
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.20 kW	2.00 kW
COP Tj = +7°C	7.00	4.65
Cdh Tj = +7 °C	0.90	0.90

This information was generated by the HP KEYMARK database on 21 Jun 2022

Pdh Tj = 12°C	3.50 kW	2.20 kW
COP Tj = 12°C	9.70	6.55
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.90 kW	5.10 kW
COP Tj = Tbiv	2.65	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.40 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.50
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	0.60 kW	1.50 kW
Annual energy consumption Qhe	3024 kWh	3680 kWh

## Domestic Hot Water (DHW)

### Average Climate

<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-3WHVRP RWD-3.0NRWE-260S-K - UK Version - Heating Only

Configure model	
Model name	03. RAS-3WHVRP RWD-3.0NRWE-260S-K - UK Version - 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 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	8.00 kW
El input	1.74 kW	2.86 kW
COP	4.60	2.80

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

## Average Climate

### 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
$\eta_s$	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.59 kW	3.10 kW
COP Tj = +2°C	4.30	3.10
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.20 kW	2.00 kW
COP Tj = +7°C	7.00	4.65
Cdh Tj = +7 °C	0.90	0.90

This information was generated by the HP KEYMARK database on 21 Jun 2022

Pdh Tj = 12°C	3.50 kW	2.20 kW
COP Tj = 12°C	9.70	6.55
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.90 kW	5.10 kW
COP Tj = Tbiv	2.65	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.40 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.50
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	0.60 kW	1.50 kW
Annual energy consumption Qhe	3068 kWh	3724 kWh

## Domestic Hot Water (DHW)

### Average Climate

<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-3WHVRP RWD-3.0NRWE-260S-K - UK Version - with cooling kit

Configure model	
Model name	04. RAS-3WHVRP RWD-3.0NRWE-260S-K - UK Version - with cooling kit
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C

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
COP	4.60	2.80

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

## 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

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	<b>+7°C/+12°C</b>	<b>+18°C/+23°C</b>
P <sub>designc</sub>	6.5 kW	7 kW
SEER	5.27	8.35
P <sub>dc</sub> T <sub>j</sub> = 35°C	6.5 kW	7 kW
EER T <sub>j</sub> = 35°C	3.35	5
P <sub>dc</sub> T <sub>j</sub> = 30°C	4.79 kW	5.16 kW
EER T <sub>j</sub> = 30°C	4.5	6.4
C <sub>dc</sub>	1	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	2.9 kW	3.32 kW
EER T <sub>j</sub> = 25°C	6	10
C <sub>dc</sub>	1	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	3.4 kW	3.6 kW
EER T <sub>j</sub> = 20°C	7.5	13.5
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>	740 kWh	503 kWh

## Average Climate

### 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
$\eta_s$	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.59 kW	3.10 kW
COP Tj = +2°C	4.30	3.10
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.20 kW	2.00 kW
COP Tj = +7°C	7.00	4.65
Cdh Tj = +7 °C	0.90	0.90

This information was generated by the HP KEYMARK database on 21 Jun 2022

Pdh Tj = 12°C	3.50 kW	2.20 kW
COP Tj = 12°C	9.70	6.55
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.90 kW	5.10 kW
COP Tj = Tbiv	2.65	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.40 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.50
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	0.60 kW	1.50 kW
Annual energy consumption Qhe	3024 kWh	3680 kWh

## Domestic Hot Water (DHW)

### Average Climate

<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-3WHVRP RWD-3.0NRWSE-260S - Solar Version - Heating Only

Configure model	
Model name	05. RAS-3WHVRP RWD-3.0NRWSE-260S - Solar Version - 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 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	8.00 kW
El input	1.74 kW	2.86 kW
COP	4.60	2.80

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

## Average Climate

### 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
$\eta_s$	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.59 kW	3.10 kW
COP Tj = +2°C	4.30	3.10
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.20 kW	2.00 kW
COP Tj = +7°C	7.00	4.65
Cdh Tj = +7 °C	0.90	0.90

This information was generated by the HP KEYMARK database on 21 Jun 2022

Pdh Tj = 12°C	3.50 kW	2.20 kW
COP Tj = 12°C	9.70	6.55
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.90 kW	5.10 kW
COP Tj = Tbiv	2.65	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.40 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.50
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	0.60 kW	1.50 kW
Annual energy consumption Qhe	3068 kWh	3724 kWh

## Domestic Hot Water (DHW)

### Average Climate



<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-3WHVRP RWD-3.0NRWSE-260S - Solar Version - with cooling kit

Configure model	
Model name	06. RAS-3WHVRP RWD-3.0NRWSE-260S - Solar Version - with cooling kit
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C

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
COP	4.60	2.80

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

## 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

This information was generated by the HP KEYMARK database on 21 Jun 2022

	<b>+7°C/+12°C</b>	<b>+18°C/+23°C</b>
P <sub>designc</sub>	6.5 kW	7 kW
SEER	5.27	8.35
P <sub>dc</sub> T <sub>j</sub> = 35°C	6.5 kW	7 kW
EER T <sub>j</sub> = 35°C	3.35	5
P <sub>dc</sub> T <sub>j</sub> = 30°C	4.79 kW	5.16 kW
EER T <sub>j</sub> = 30°C	4.5	6.4
C <sub>dc</sub>	1	1
P <sub>dc</sub> T <sub>j</sub> = 25°C	2.9 kW	3.32 kW
EER T <sub>j</sub> = 25°C	6	10
C <sub>dc</sub>	1	1
P <sub>dc</sub> T <sub>j</sub> = 20°C	3.4 kW	3.6 kW
EER T <sub>j</sub> = 20°C	7.5	13.5
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>	740 kWh	503 kWh

## Average Climate

### 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
$\eta_s$	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.59 kW	3.10 kW
COP Tj = +2°C	4.30	3.10
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.20 kW	2.00 kW
COP Tj = +7°C	7.00	4.65
Cdh Tj = +7 °C	0.90	0.90

This information was generated by the HP KEYMARK database on 21 Jun 2022

Pdh Tj = 12°C	3.50 kW	2.20 kW
COP Tj = 12°C	9.70	6.55
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.90 kW	5.10 kW
COP Tj = Tbiv	2.65	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.40 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.50
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	0.60 kW	1.50 kW
Annual energy consumption Qhe	3024 kWh	3680 kWh

## Domestic Hot Water (DHW)

### Average Climate

<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