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#### **Login**

Summary of	08. Yutaki S Combi 200L 3.0HP R32	Reg. No.	041-K002-36
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	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

Configure model		
Model name	01. RAS-3WHVRP RWD-3.0NRWE-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 14511-2			
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	

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
$\eta_{s}$	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
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	0.60 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

Configure model		
Model name	02. RAS-3WHVRP RWD-3.0NRWE-200S - 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	
СОР	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

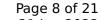
### Cooling





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





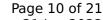
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	7 kW
SEER	5.27	8.35
Pdc Tj = 35°C	6.5 kW	7 kW
EER Tj = 35°C	3.35	5
Pdc Tj = 30°C	4.79 kW	5.16 kW
EER Tj = 30°C	4.5	6.4
Cdc	1	1
Pdc Tj = 25°C	2.9 kW	3.32 kW
EER Tj = 25°C	6	10
Cdc	1	1
Pdc Tj = 20°C	3.4 kW	3.6 kW
EER Tj = 20°C	7.5	13.5
Cdc	0.9	0.9
Poff	12 W	12 W
РТО	0 W	0 W
PSB	12 W	12 W
PCK	0 W	0 W
Annual energy consumption Qce	740 kWh	503 kWh



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

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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
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	0.60 kW	1.50 kW
Annual energy consumption Qhe	3024 kWh	3680 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: 03. RAS-3WHVRP RWD-3.0NRWE-200S-K -UK Version - Heating Only

Configure model		
Model name 03. RAS-3WHVRP RWD-3.0NRWE-200S-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	
СОР	4.60	2.80	

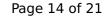
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed



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

Configure model		
Model name	04. RAS-3WHVRP RWD-3.0NRWE-200S-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	

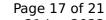
General Data		
Power supply 1x230V 50Hz		

### Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	8.00 kW	8.00 kW	
El input	1.74 kW	2.86 kW	
СОР	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

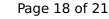
### Cooling





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

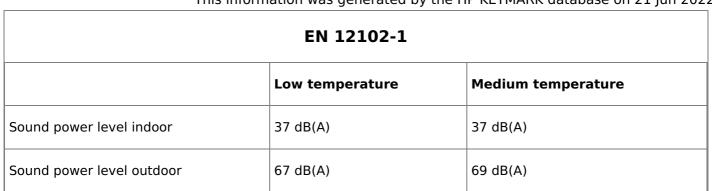
#### EN 14825





	+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

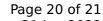




CEN heat pump

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

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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
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	0.60 kW	1.50 kW
Annual energy consumption Qhe	3024 kWh	3680 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	