Login

Summary of	05. Yutaki S Combi 200L 2.5HP R32	Reg. No.	041-K002-33
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	05. Yutaki S Combi 200L 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-200S - Heating Only

Configure model	
Model name	01. RAS-2.5WHVRP RWD-2.5NRWE-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	6.00 kW	6.00 kW
El input	1.25 kW	2.11 kW
COP	4.80	2.85

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	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.10 kW	2.69 kW
COP Tj = +2°C	4.60	3.30
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.00 kW	2.43 kW
COP Tj = +7°C	6.20	4.60
Cdh Tj = +7 °C	0.90	0.90

Pdh Tj = 12°C	3.05 kW	2.80 kW
COP Tj = 12°C	8.35	6.35
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.10 kW	4.42 kW
COP Tj = Tbiv	2.70	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	3.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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

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 l

Model: 02. RAS-2.5WHVRP RWD-2.5NRWE-200S - with cooling kit

Configure model	
Model name	02. RAS-2.5WHVRP RWD-2.5NRWE-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	6.00 kW	6.00 kW
El input	1.25 kW	2.11 kW
COP	4.80	2.85

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	1.47 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
PTO	0 W	0 W
PSB	12 W	12 W
PCK	0 W	0 W
Annual energy consumption Qce	575 kWh	337 kWh

Average Climate

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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.10 kW	2.69 kW
COP Tj = +2°C	4.60	3.30
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.00 kW	2.43 kW
COP Tj = +7°C	6.20	4.60
Cdh Tj = +7 °C	0.90	0.90

Pdh Tj = 12°C	3.05 kW	2.80 kW
COP Tj = 12°C	8.35	6.35
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.10 kW	4.42 kW
COP Tj = Tbiv	2.70	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	3.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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

Domestic Hot Water (DHW)

Average Climate

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 l

Model: 03. RAS-2.5WHVRP RWD-2.5NRWE-200S-K -UK Version - Heating Only

Configure model	
Model name	03. RAS-2.5WHVRP RWD-2.5NRWE-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	6.00 kW	6.00 kW
El input	1.25 kW	2.11 kW
COP	4.80	2.85

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	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.10 kW	2.69 kW
COP Tj = +2°C	4.60	3.30
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.00 kW	2.43 kW
COP Tj = +7°C	6.20	4.60
Cdh Tj = +7 °C	0.90	0.90

Pdh Tj = 12°C	3.05 kW	2.80 kW
COP Tj = 12°C	8.35	6.35
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.10 kW	4.42 kW
COP Tj = Tbiv	2.70	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	3.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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

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 l

Model: 04. RAS-2.5WHVRP RWD-2.5NRWE-200S-K -UK Version - with cooling kit

Configure model	
Model name	04. RAS-2.5WHVRP RWD-2.5NRWE-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	6.00 kW	6.00 kW
El input	1.25 kW	2.11 kW
COP	4.80	2.85

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	1.47 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
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Pdc Tj = 35°C	5.3 kW	6.3 kW
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WTOL	55 °C	55 °C
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