Subtype 21. YUTAKI S (N2) & S Combi (NW2) 2HP R32

Certificate Holder	Johnson Controls-Hitachi AirConditioning Spain
Address	Ronda Shimizu, 1. Pol. Ind. Can Torrella
ZIP	08233
City	Vacarisses, Barcelona
Country	ES
Certification Body	BRE Global Limited
Subtype title	21. YUTAKI S (N2) & S Combi (NW2) 2HP R32
Registration number	041-K002-68
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.1 kg
Certification Date	13.09.2024
Testing basis	Heat Pump Keymark Scheme Rules v14
Testing laboratory	Centro de Ensayos, Innovación y Servicios (CEIS), ES

This information was generated by the HP KEYMARK database on 25.09.2025

Model RAS-2WHVRP2E - RWM-2.0R2E - Heating only

Model name	RAS-2WHVRP2E - RWM-2.0R2E - Heating only
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	4.30 kW	4.30 kW
El input	0.86 kW	1.48 kW
COP	5.00	2.90

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	175 %	125 %
Prated	4.00 kW	4.00 kW
SCOP	4.45	3.20
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.54 kW	3.50 kW
COP Tj = -7°C	2.87	2.10
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.35 kW	2.10 kW
COP Tj = +2°C	4.43	3.00
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.00 kW	2.43 kW

COP Tj = +7°C	7.00	5.02
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.05 kW	2.80 kW
COP Tj = 12°C	7.95	7.02
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	3.54 kW	3.50 kW
COP Tj = Tbiv	2.87	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.00 kW	3.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.75	2.10
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
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	0.00 kW	0.90 kW
Annual energy consumption Qhe	1857 kWh	2555 kWh

Model RAS-2WHVRP2E - RWD-2.0RW2E-220S - Heating only

Model name	RAS-2WHVRP2E - RWD-2.0RW2E-220S - Heating only
Application	Heating + DHW
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency ηDHW	126 %
COP	3.10
Heating up time	1:40 h:min
Standby power input	32.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	283 l

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	4.30 kW	4.30 kW
El input	0.86 kW	1.48 kW
COP	5.00	2.90

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	41 dB(A)
Sound power level outdoor	49 dB(A)	50 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	175 %	125 %
Prated	4.00 kW	4.00 kW

SCOP	4.44	3.20
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.54 kW	3.50 kW
COP Tj = -7°C	2.87	2.10
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.35 kW	2.10 kW
COP Tj = +2°C	4.43	3.00
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.00 kW	2.43 kW
COP Tj = +7°C	7.00	5.02
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.05 kW	2.80 kW
COP Tj = 12°C	7.95	7.02
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	3.54 kW	3.50 kW
COP Tj = Tbiv	2.87	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.00 kW	3.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.75	2.10
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
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	0.00 kW	0.90 kW
Annual energy consumption Qhe	1862 kWh	2555 kWh

Model RAS-2WHVRP2E - RWM-2.0R2E - with Cooling kit	
Model name	RAS-2WHVRP2E - RWM-2.0R2E - with Cooling kit
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	

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

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	4.30 kW	4.30 kW
El input	0.86 kW	1.48 kW
COP	5.00	2.90

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	1.00 kW	1.02 kW
Cooling capacity	4.00	5.50
EER	4.00	5.40

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	179 %	127 %
Prated	4.00 kW	4.00 kW
SCOP	4.56	3.26
Tbiv	-7 °C	-7 °C

This information was generated by the HP KEYMARK database on 25.09.2025

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.54 kW	3.50 kW
COP Tj = -7°C	2.87	2.10
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.35 kW	2.10 kW
COP Tj = +2°C	4.43	3.00
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.00 kW	2.43 kW
COP Tj = +7°C	7.00	5.02
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.05 kW	2.80 kW
COP Tj = 12°C	7.95	7.02
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	3.54 kW	3.50 kW
COP Tj = Tbiv	2.87	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.00 kW	3.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.75	2.10
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
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	0.00 kW	0.90 kW
Annual energy consumption Qhe	1813 kWh	2511 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	4.00 kW	5.50 kW
SEER	5.54	8.04
Pdc Tj = 35°C	4.00 kW	5.50 kW
EER Tj = 35°C	3.80	5.40
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	2.95 kW	4.05 kW
EER Tj = 30°C	5.00	7.20
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	2.05 kW	2.61 kW
EER Tj = 25°C	6.45	9.60
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	2.88 kW	2.51 kW
EER Tj = 20°C	8.00	10.30
Cdc Tj = 20 °C	0.900	0.900

Poff	12 W	12 W
PTO	0 W	0 W
PSB	12 W	12 W
PCK	0 W	0 W
Annual energy consumption Qce	433 kWh	410 kWh

Model RAS-2WHVRP2E - RWD-2.0RW2E-220S - with cooling kit	
Model name	RAS-2WHVRP2E - RWD-2.0RW2E-220S - with cooling kit
Application	Heating + DHW
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	126 %
COP	3.10
Heating up time	1:40 h:min
Standby power input	32.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	283 l

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

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	4.30 kW	4.30 kW
El input	0.86 kW	1.48 kW
COP	5.00	2.90

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	1.00 kW	1.02 kW
Cooling capacity	4.00	5.50
EER	4.00	5.40

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature

This information was generated by the HP KEYMARK database on 25.09.2025

Sound power level indoor	37 dB(A)	41 dB(A)
Sound power level outdoor	49 dB(A)	50 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	175 %	127 %
Prated	4.00 kW	4.00 kW
SCOP	4.44	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.54 kW	3.50 kW
COP Tj = -7°C	2.87	2.10
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.35 kW	2.10 kW
COP Tj = +2°C	4.43	3.00
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.00 kW	2.43 kW
COP Tj = +7°C	7.00	5.02
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.05 kW	2.80 kW
COP Tj = 12°C	7.95	7.02
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	3.54 kW	3.50 kW
COP Tj = Tbiv	2.87	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.00 kW	3.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.75	2.10
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
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	0.00 kW	0.90 kW
Annual energy consumption Qhe	1862 kWh	2511 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	4.00 kW	5.50 kW
SEER	5.54	8.04
Pdc Tj = 35°C	4.00 kW	5.50 kW
EER Tj = 35°C	3.80	5.40
Cdc Tj = 35 °C	0.900	0.900

This information was generated by the HP KEYMARK database on 25.09.2025

Pdc Tj = 30°C	2.95 kW	4.05 kW
EER Tj = 30°C	5.00	7.20
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	2.05 kW	2.61 kW
EER Tj = 25°C	6.45	9.60
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	2.88 kW	2.51 kW
EER Tj = 20°C	8.00	10.30
Cdc Tj = 20 °C	0.900	0.900
Poff	12 W	12 W
PTO	0 W	0 W
PSB	12 W	12 W
PCK	0 W	0 W
Annual energy consumption Qce	433 kWh	410 kWh