

Subtype 02. Yutaki S & S Combi 2.5HP

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	02. Yutaki S & S Combi 2.5HP
Registration number	041-K002-02
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	1.5 kg

Model RAS-2.5WHVNP RWM-2.5NE - Heating Only

Model name	RAS-2.5WHVNP RWM-2.5NE - 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
Phase-out Date	31.10.2024

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

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
η_s	177 %	130 %
Prated	6.00 kW	5.00 kW
SCOP	4.50	3.33
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.95 kW	4.42 kW
COP Tj = -7°C	2.70	1.85
Pdh Tj = +2°C	3.01 kW	2.69 kW
COP Tj = +2°C	4.60	3.45
Pdh Tj = +7°C	1.90 kW	1.84 kW
COP Tj = +7°C	6.00	4.20
Pdh Tj = 12°C	1.80 kW	2.06 kW
COP Tj = 12°C	7.20	6.90
Pdh Tj = Tbiv	4.95 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	1.80

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	11 W	11 W
PTO	0 W	0 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.30 kW	1.10 kW
Annual energy consumption Qhe	2569 kWh	3114 kWh

Model RAS-2.5WHVNP RWD-2.5NWE-200S - Heating Only

Model name	RAS-2.5WHVNP RWD-2.5NWE-200S - Heating Only
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	31.10.2024

General data

Power supply	1x230V 50Hz
Off-peak product	Yes

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	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 RAS-2.5WHVNP RWD-2.5NWE-260S - Heating Only

Model name	RAS-2.5WHVNP RWD-2.5NWE-260S - Heating Only
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	31.10.2024

General data

Power supply	1x230V 50Hz
Off-peak product	Yes

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	136 %
COP	3.40
Heating up time	2:10 h:min
Standby power input	41.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 l

Model RAS-2.5WHVNP RWD-2.5NWE-200S-K - UK- Heating Only

Model name	RAS-2.5WHVNP RWD-2.5NWE-200S-K - UK- Heating Only
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	31.10.2024

General data

Power supply	1x230V 50Hz
Off-peak product	Yes

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	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 RAS-2.5WHVNP RWD-2.5NWE-260S-K - UK- Heating Only

Model name	RAS-2.5WHVNP RWD-2.5NWE-260S-K - UK- Heating Only
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	31.10.2024

General data

Power supply	1x230V 50Hz
Off-peak product	Yes

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	136 %
COP	3.40
Heating up time	2:10 h:min
Standby power input	41.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 l

Model RAS-2.5WHVNP RWD-2.5NWSE-260S - Solar - Heating Only

Model name	RAS-2.5WHVNP RWD-2.5NWSE-260S - Solar - Heating Only
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	31.10.2024

General data

Power supply	1x230V 50Hz
Off-peak product	Yes

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	136 %
COP	3.40
Heating up time	2:10 h:min
Standby power input	41.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 l

Model RAS-2.5WHVNP RWM-2.5NE - with cooling kit

Model name	RAS-2.5WHVNP RWM-2.5NE - with cooling kit
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
Phase-out Date	31.10.2024

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

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
η_s	180 %	132 %
Prated	6.00 kW	5.00 kW
SCOP	4.58	3.38
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.95 kW	4.42 kW
COP Tj = -7°C	2.70	1.85
Pdh Tj = +2°C	3.01 kW	2.69 kW
COP Tj = +2°C	4.60	3.45
Pdh Tj = +7°C	1.90 kW	1.84 kW
COP Tj = +7°C	6.00	4.20
Pdh Tj = 12°C	1.80 kW	2.06 kW
COP Tj = 12°C	7.20	6.90
Pdh Tj = Tbiv	4.95 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	1.80

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	11 W	11 W
PTO	0 W	0 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.30 kW	1.10 kW
Annual energy consumption Qhe	2525 kWh	3070 kWh

Model RAS-2.5WHVNP RWD-2.5NWE-200S - with cooling kit

Model name	RAS-2.5WHVNP RWD-2.5NWE-200S - with cooling kit
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	31.10.2024

General data

Power supply	1x230V 50Hz
Off-peak product	Yes

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Model RAS-2.5WHVNP RWD-2.5NWE-260S - with cooling kit

Model name	RAS-2.5WHVNP RWD-2.5NWE-260S - with cooling kit
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	31.10.2024

General data

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Outdoor Air/Water

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Heating up time	2:10 h:min
Standby power input	41.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 l

Model RAS-2.5WHVNP RWD-2.5NWSE-260S - Solar - with cooling kit

Model name	RAS-2.5WHVNP RWD-2.5NWSE-260S - Solar - with cooling kit
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	31.10.2024

General data

Power supply	1x230V 50Hz
Off-peak product	Yes

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	136 %
COP	3.40
Heating up time	2:10 h:min
Standby power input	41.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 l