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Login

Summary of	01. Yutaki S & S Combi 2.0HP	Reg. No.	041-K002-01
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	01. Yutaki S & S Combi 2.0HP		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.4 kg		



Model: RAS-2WHVNP RWM-2.0NE - Heating Only

Configure model		
Model name RAS-2WHVNP RWM-2.0NE - Heating Only		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility No		
Cooling mode application (optional) n/a		

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
Low temperature Medium temperature		
Heat output	4.30 kW	4.30 kW
El input	0.82 kW	1.43 kW
СОР	5.25	3.00

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	189 %	137 %
Prated	4.00 kW	4.00 kW
SCOP	4.80	3.50
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.54 kW	3.50 kW
COP Tj = -7°C	3.20	2.30
Pdh Tj = +2°C	2.15 kW	2.10 kW
COP Tj = +2°C	5.20	3.73
Pdh Tj = +7°C	1.70 kW	1.60 kW
COP Tj = +7°C	6.05	4.40
Pdh Tj = 12°C	1.75 kW	1.60 kW
COP Tj = 12°C	6.25	5.00
Pdh Tj = Tbiv	3.54 kW	3.50 kW





COP Tj = Tbiv	3.20	2.30
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	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	11 W	11 W
РТО	o w	0 W
PSB	11 W	11 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.90 kW
Annual energy consumption Qhe	1719 kWh	2358 kWh

Model: RAS-2WHVNP RWD-2.0NWE-200S - Heating Only

Configure model		
Model name RAS-2WHVNP RWD-2.0NWE-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

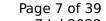
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
Low temperature Medium temperature		
Heat output	4.30 kW	4.30 kW
El input	0.82 kW	1.43 kW
СОР	5.25	3.00



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	37 dB(A)	37 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
Low temperature	Medium temperature	
189 %	137 %	
4.00 kW	4.00 kW	
4.80	3.50	
-7 °C	-7 °C	
-10 °C	-10 °C	
3.54 kW	3.50 kW	
3.20	2.30	
2.15 kW	2.10 kW	
5.20	3.73	
1.70 kW	1.60 kW	
6.05	4.40	
1.75 kW	1.60 kW	
6.25	5.00	
	Low temperature 189 % 4.00 kW 4.80 -7 °C -10 °C 3.54 kW 3.20 2.15 kW 5.20 1.70 kW 6.05 1.75 kW	





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Pdh Tj = Tbiv	3.54 kW	3.50 kW
COP Tj = Tbiv	3.20	2.30
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	1.90
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	o w	0 W
PSB	11 W	11 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.90 kW
Annual energy consumption Qhe	1719 kWh	2358 kWh

Domestic Hot Water (DHW)



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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: RAS-2WHVNP RWD-2.0NWE-260S - Heating Only

Configure model		
Model name	RAS-2WHVNP RWD-2.0NWE-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 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

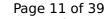
EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	4.30 kW
El input	0.82 kW	1.43 kW
СОР	5.25	3.00



This information was generated by the HP KEYMARK database on 7 Jul 2022

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	189 %	137 %
Prated	4.00 kW	4.00 kW
SCOP	4.80	3.50
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.54 kW	3.50 kW
COP Tj = -7°C	3.20	2.30
Pdh Tj = +2°C	2.15 kW	2.10 kW
$COP Tj = +2^{\circ}C$	5.20	3.73
Pdh Tj = $+7^{\circ}$ C	1.70 kW	1.60 kW
$COPTj = +7^{\circ}C$	6.05	4.40
Pdh Tj = 12°C	1.75 kW	1.60 kW
COP Tj = 12°C	6.25	5.00





Pdh Tj = Tbiv	3.54 kW	3.50 kW
COP Tj = Tbiv	3.20	2.30
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	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	11 W	11 W
РТО	0 W	0 W
PSB	11 W	11 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.90 kW
Annual energy consumption Qhe	1719 kWh	2358 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	136 %	
СОР	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 I	

Model: RAS-2WHVNP RWD-2.0NWE-200S-K - UK-Heating Only

Configure model		
Model name	RAS-2WHVNP RWD-2.0NWE-200S-K - UK- 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

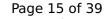
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	4.30 kW
El input	0.82 kW	1.43 kW
СОР	5.25	3.00

This information was generated by the HP KEYMARK database on 7 Jul 2022

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	189 %	137 %
Prated	4.00 kW	4.00 kW
SCOP	4.80	3.50
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.54 kW	3.50 kW
COP Tj = -7°C	3.20	2.30
Pdh Tj = +2°C	2.15 kW	2.10 kW
$COP Tj = +2^{\circ}C$	5.20	3.73
Pdh Tj = $+7^{\circ}$ C	1.70 kW	1.60 kW
$COPTj = +7^{\circ}C$	6.05	4.40
Pdh Tj = 12°C	1.75 kW	1.60 kW
COP Tj = 12°C	6.25	5.00





Pdh Tj = Tbiv	3.54 kW	3.50 kW
COP Tj = Tbiv	3.20	2.30
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	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	11 W	11 W
РТО	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	0.00 kW	0.90 kW
Annual energy consumption Qhe	1719 kWh	2358 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: RAS-2WHVNP RWD-2.0NWE-260S-K - UK-**Heating Only**

Configure model		
Model name	RAS-2WHVNP RWD-2.0NWE-260S-K - UK- 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

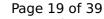
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	4.30 kW
El input	0.82 kW	1.43 kW
СОР	5.25	3.00

This information was generated by the HP KEYMARK database on 7 Jul 2022

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	189 %	137 %
Prated	4.00 kW	4.00 kW
SCOP	4.80	3.50
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.54 kW	3.50 kW
COP Tj = -7°C	3.20	2.30
Pdh Tj = +2°C	2.15 kW	2.10 kW
$COP Tj = +2^{\circ}C$	5.20	3.73
Pdh Tj = $+7^{\circ}$ C	1.70 kW	1.60 kW
$COPTj = +7^{\circ}C$	6.05	4.40
Pdh Tj = 12°C	1.75 kW	1.60 kW
COP Tj = 12°C	6.25	5.00





-	
3.54 kW	3.50 kW
3.20	2.30
4.00 kW	3.10 kW
2.75	1.90
0.90	0.90
55 °C	55 °C
11 W	11 W
0 W	0 W
11 W	11 W
o w	0 W
Electricity	Electricity
0.00 kW	0.90 kW
1719 kWh	2358 kWh
	3.20 4.00 kW 2.75 0.90 55 °C 11 W 0 W 11 W 0 W Electricity 0.00 kW

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	136 %	
СОР	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 I	



Model: RAS-2WHVNP RWD-2.0NWSE-260S - Solar - Heating Only

Configure model		
Model name	RAS-2WHVNP RWD-2.0NWSE-260S - Solar - 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 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	4.30 kW
El input	0.82 kW	1.43 kW
СОР	5.25	3.00

This information was generated by the HP KEYMARK database on 7 Jul 2022

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	189 %	137 %
Prated	4.00 kW	4.00 kW
SCOP	4.80	3.50
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.54 kW	3.50 kW
COP Tj = -7°C	3.20	2.30
Pdh Tj = +2°C	2.15 kW	2.10 kW
COP Tj = +2°C	5.20	3.73
Pdh Tj = +7°C	1.70 kW	1.60 kW
COP Tj = +7°C	6.05	4.40
Pdh Tj = 12°C	1.75 kW	1.60 kW
COP Tj = 12°C	6.25	5.00
	·	





-	
3.54 kW	3.50 kW
3.20	2.30
4.00 kW	3.10 kW
2.75	1.90
0.90	0.90
55 °C	55 °C
11 W	11 W
0 W	0 W
11 W	11 W
o w	0 W
Electricity	Electricity
0.00 kW	0.90 kW
1719 kWh	2358 kWh
	3.20 4.00 kW 2.75 0.90 55 °C 11 W 0 W 11 W 0 W Electricity 0.00 kW

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	136 %	
СОР	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 I	

Model: RAS-2WHVNP RWM-2.0NE - with cooling

Configure model		
Model name RAS-2WHVNP RWM-2.0NE - with cooling kit		
Application Heating (medium temp)		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility No		
Cooling mode application (optional) n/a		

General Data		
Power supply 1x230V 50Hz		

Heating

CEN heat pump KEYMARK

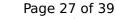
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2			
Low temperature Medium temperature			
Heat output	4.30 kW	4.30 kW	
El input	0.82 kW	1.43 kW	
СОР	5.25	3.00	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	194 %	140 %
Prated	4.00 kW	4.00 kW
SCOP	4.93	3.58
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.54 kW	3.50 kW
COP Tj = -7°C	3.20	2.30
Pdh Tj = +2°C	2.15 kW	2.10 kW
COP Tj = +2°C	5.20	3.73
Pdh Tj = $+7$ °C	1.70 kW	1.60 kW
$COP Tj = +7^{\circ}C$	6.05	4.40
Pdh Tj = 12°C	1.75 kW	1.60 kW
COP Tj = 12°C	6.25	5.00





Pdh Tj = Tbiv	3.54 kW	3.50 kW
COP Tj = Tbiv	3.20	2.30
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	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	11 W	11 W
РТО	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	0.00 kW	0.90 kW
Annual energy consumption Qhe	1675 kWh	2314 kWh



Model: RAS-2WHVNP RWD-2.0NWE-200S - with cooling kit

Configure model		
Model name RAS-2WHVNP RWD-2.0NWE-200S - with cooling kit		
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 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2			
Low temperature Medium temperature			
Heat output	4.30 kW	4.30 kW	
El input	0.82 kW	1.43 kW	
СОР	5.25	3.00	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	194 %	140 %
Prated	4.00 kW	4.00 kW
SCOP	4.93	3.58
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.54 kW	3.50 kW
COP Tj = -7°C	3.20	2.30
Pdh Tj = +2°C	2.15 kW	2.10 kW
$COP Tj = +2^{\circ}C$	5.20	3.73
Pdh Tj = $+7$ °C	1.70 kW	1.60 kW
$COP Tj = +7^{\circ}C$	6.05	4.40
Pdh Tj = 12°C	1.75 kW	1.60 kW
COP Tj = 12°C	6.25	5.00





Pdh Tj = Tbiv	3.54 kW	3.50 kW
COP Tj = Tbiv	3.20	2.30
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	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	11 W	11 W
РТО	0 W	0 W
PSB	11 W	11 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.90 kW
Annual energy consumption Qhe	1675 kWh	2314 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: RAS-2WHVNP RWD-2.0NWE-260S - with cooling kit

Configure model		
Model name RAS-2WHVNP RWD-2.0NWE-260S - with cooling kit		
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

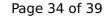
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	4.30 kW
El input	0.82 kW	1.43 kW
СОР	5.25	3.00



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

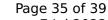
EN 14825		
	Low temperature	Medium temperature
η_{s}	194 %	140 %
Prated	4.00 kW	4.00 kW
SCOP	4.93	3.58
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.54 kW	3.50 kW
COP Tj = -7 °C	3.20	2.30
Pdh Tj = +2°C	2.15 kW	2.10 kW
$COP Tj = +2^{\circ}C$	5.20	3.73
Pdh Tj = $+7^{\circ}$ C	1.70 kW	1.60 kW
$COP Tj = +7^{\circ}C$	6.05	4.40
Pdh Tj = 12°C	1.75 kW	1.60 kW
COP Tj = 12°C	6.25	5.00





	1	
Pdh Tj = Tbiv	3.54 kW	3.50 kW
COP Tj = Tbiv	3.20	2.30
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	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	11 W	11 W
РТО	o w	0 W
PSB	11 W	11 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.90 kW
Annual energy consumption Qhe	1675 kWh	2314 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	136 %	
СОР	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 I	



Model: RAS-2WHVNP RWD-2.0NWSE-260S - Solar - with cooling kit

Configure model		
Model name	RAS-2WHVNP RWD-2.0NWSE-260S - Solar - with cooling kit	
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

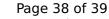
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.30 kW	4.30 kW	
El input	0.82 kW	1.43 kW	
СОР	5.25	3.00	



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	37 dB(A)	37 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
Low temperature	Medium temperature	
194 %	140 %	
4.00 kW	4.00 kW	
4.93	3.58	
-7 °C	-7 °C	
-10 °C	-10 °C	
3.54 kW	3.50 kW	
3.20	2.30	
2.15 kW	2.10 kW	
5.20	3.73	
1.70 kW	1.60 kW	
6.05	4.40	
1.75 kW	1.60 kW	
6.25	5.00	
	Low temperature 194 % 4.00 kW 4.93 -7 °C -10 °C 3.54 kW 3.20 2.15 kW 5.20 1.70 kW 6.05 1.75 kW	





Pdh Tj = Tbiv	3.54 kW	3.50 kW
COP Tj = Tbiv	3.20	2.30
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	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	11 W	11 W
РТО	0 W	0 W
PSB	11 W	11 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.90 kW
Annual energy consumption Qhe	1675 kWh	2314 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	136 %	
СОР	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 I	