

Page 1 of 39

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Login

Summary of	02. Yutaki S & S Combi 2.5HP Reg. No. 04		041-K002-02
Certificate Holder			
Name	Name Johnson Controls-Hitachi AirConditioning Spain		
Address	Ronda Shimizu, 1. Pol. Ind. Can Torrella	Ronda Shimizu, 1. Pol. Ind. Can Torrella Zip 08233	
City	Vacarisses, Barcelona	Country	Spain
Certification Body	BRE Global Limited		
Subtype title	02. Yutaki S & S Combi 2.5HP		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.5 kg		



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

Configure model		
Model name RAS-2.5WHVNP RWM-2.5NE - 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

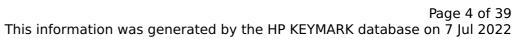
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure		
Defrost test	passed	

EN 14511-2		
Low temperature Medium temperature		
Heat output	6.00 kW	6.00 kW
El input	1.25 kW	2.08 kW
СОР	4.80	2.89



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	
177 %	130 %	
6.00 kW	5.00 kW	
4.50	3.33	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.95 kW	4.42 kW	
2.70	1.85	
3.01 kW	2.69 kW	
4.60	3.45	
1.90 kW	1.84 kW	
6.00	4.20	
1.80 kW	2.06 kW	
7.20	6.90	
	Low temperature 177 % 6.00 kW 4.50 -7 °C -10 °C 4.95 kW 2.70 3.01 kW 4.60 1.90 kW 6.00 1.80 kW	





This information was generated by the Tir RETMARK database on 7 Jul 202		
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
РТО	o w	o w
PSB	11 W	11 W
PCK	o w	o 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

Configure model		
Model name RAS-2.5WHVNP RWD-2.5NWE-200S - Heating Only		
Application	on 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	6.00 kW	6.00 kW
El input	1.25 kW	2.08 kW
СОР	4.80	2.89



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 %	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
$COP Tj = +2^{\circ}C$	4.60	3.45
Pdh Tj = $+7^{\circ}$ C	1.90 kW	1.84 kW
$COPTj = +7^{\circ}C$	6.00	4.20
Pdh Tj = 12°C	1.80 kW	2.06 kW
COP Tj = 12°C	7.20	6.90





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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
РТО	o w	o w
PSB	11 W	11 W
PCK	o w	o 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

Domestic Hot Water (DHW)

Average Climate



$$\operatorname{Page}$ 8 of 39 This information was generated by the HP KEYMARK database on 7 Jul 2022

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-2.5WHVNP RWD-2.5NWE-260S - Heating Only

Configure model		
Model name	RAS-2.5WHVNP RWD-2.5NWE-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	6.00 kW	6.00 kW
El input	1.25 kW	2.08 kW
СОР	4.80	2.89

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	63 dB(A)	63 dB(A)

EN 14825		
	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
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This information was gene	craced by the fit RETI	TANK database on 7 Jul 202.
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
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	0.30 kW	1.10 kW
Annual energy consumption Qhe	2569 kWh	3114 kWh

Domestic Hot Water (DHW)

Average Climate



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

Configure model			
Model name	RAS-2.5WHVNP RWD-2.5NWE-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

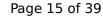
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2			
Low temperature Medium temperature			
Heat output	6.00 kW	6.00 kW	
El input	1.25 kW	2.08 kW	
СОР	4.80	2.89	



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 %	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
$COP Tj = +2^{\circ}C$	4.60	3.45
Pdh Tj = $+7^{\circ}$ C	1.90 kW	1.84 kW
$COPTj = +7^{\circ}C$	6.00	4.20
Pdh Tj = 12°C	1.80 kW	2.06 kW
COP Tj = 12°C	7.20	6.90





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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
РТО	o w	o w
PSB	11 W	11 W
PCK	o w	o 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

Domestic Hot Water (DHW)

Average Climate



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-2.5WHVNP RWD-2.5NWE-260S-K - UK- Heating Only

Configure model		
Model name	RAS-2.5WHVNP RWD-2.5NWE-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

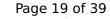
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure		
Defrost test	passed	

EN 14511-2			
Low temperature Medium temperature			
Heat output	6.00 kW	6.00 kW	
El input	1.25 kW	2.08 kW	
СОР	4.80	2.89	

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	63 dB(A)	63 dB(A)

EN 14825		
Low temperature	Medium temperature	
177 %	130 %	
6.00 kW	5.00 kW	
4.50	3.33	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.95 kW	4.42 kW	
2.70	1.85	
3.01 kW	2.69 kW	
4.60	3.45	
1.90 kW	1.84 kW	
6.00	4.20	
1.80 kW	2.06 kW	
7.20	6.90	
	Low temperature 177 % 6.00 kW 4.50 -7 °C -10 °C 4.95 kW 2.70 3.01 kW 4.60 1.90 kW 6.00 1.80 kW	





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

Domestic Hot Water (DHW)

Average Climate



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

Configure model		
Model name	RAS-2.5WHVNP RWD-2.5NWSE-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	6.00 kW	6.00 kW
El input	1.25 kW	2.08 kW
СОР	4.80	2.89

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	63 dB(A)	63 dB(A)

EN 14825		
Low temperature	Medium temperature	
177 %	130 %	
6.00 kW	5.00 kW	
4.50	3.33	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.95 kW	4.42 kW	
2.70	1.85	
3.01 kW	2.69 kW	
4.60	3.45	
1.90 kW	1.84 kW	
6.00	4.20	
1.80 kW	2.06 kW	
7.20	6.90	
	Low temperature 177 % 6.00 kW 4.50 -7 °C -10 °C 4.95 kW 2.70 3.01 kW 4.60 1.90 kW 6.00 1.80 kW	





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
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	0.30 kW	1.10 kW
Annual energy consumption Qhe	2569 kWh	3114 kWh

Domestic Hot Water (DHW)

Average Climate



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-2.5WHVNP RWM-2.5NE - with cooling kit

Configure model		
Model name RAS-2.5WHVNP RWM-2.5NE - 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

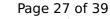
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.25 kW	2.08 kW
СОР	4.80	2.89



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 %	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
$COP Tj = +7^{\circ}C$	6.00	4.20
Pdh Tj = 12°C	1.80 kW	2.06 kW
COP Tj = 12°C	7.20	6.90
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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	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	0.30 kW	1.10 kW
Annual energy consumption Qhe	2525 kWh	3070 kWh



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

Configure model		
Model name RAS-2.5WHVNP RWD-2.5NWE-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

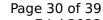
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.25 kW	2.08 kW
СОР	4.80	2.89

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	63 dB(A)	63 dB(A)	

EN 14825		
	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
$COP Tj = -7^{\circ}C$	2.70	1.85
Pdh Tj = $+2^{\circ}$ C	3.01 kW	2.69 kW
COP Tj = +2°C	4.60	3.45
Pdh Tj = $+7^{\circ}$ C	1.90 kW	1.84 kW
$COP Tj = +7^{\circ}C$	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
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	0.30 kW	1.10 kW
Annual energy consumption Qhe	2525 kWh	3070 kWh

Domestic Hot Water (DHW)

Average Climate



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

Configure model	
Model name	RAS-2.5WHVNP RWD-2.5NWE-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

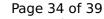
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.00 kW	6.00 kW
El input	1.25 kW	2.08 kW
СОР	4.80	2.89



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 %	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
$COPTj = +2^{\circ}C$	4.60	3.45
Pdh Tj = $+7^{\circ}$ 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

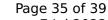




Pdh Tj = Tbiv	4.95 kW	4.42 kW
COP Tj = Tbiv	2.70	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	3.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.80
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	11 W	11 W
РТО	o w	0 W
PSB	11 W	11 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

Domestic Hot Water (DHW)

Average Climate





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

Configure model	
Model name	RAS-2.5WHVNP RWD-2.5NWSE-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

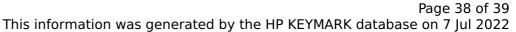
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.00 kW	6.00 kW	
El input	1.25 kW	2.08 kW	
СОР	4.80	2.89	



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 %	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
$COP Tj = +7^{\circ}C$	6.00	4.20
Pdh Tj = 12°C	1.80 kW	2.06 kW
COP Tj = 12°C	7.20	6.90
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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
РТО	o w	o w
PSB	11 W	11 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity

0.30 kW

2525 kWh

1.10 kW

3070 kWh

Domestic Hot Water (DHW)

Average Climate

Supplementary Heater: PSUP

Annual energy consumption Qhe



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	