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

Login

Summary of	05. Yutaki S & S Combi 5.0HP (mono)	Reg. No.	041-K002-05
Certificate Holder			
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	05. Yutaki S & S Combi 5.0HP (mono)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	3.4 kg		

Model: RAS-5WHVNPE RWM-5.0NE - Heating Only

Configure model		
Model name RAS-5WHVNPE RWM-5.0NE - 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

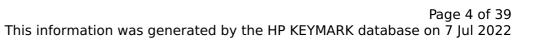
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2			
Low temperature Medium temperature			
Heat output	14.00 kW	14.00 kW	
El input	2.97 kW	5.00 kW	
СОР	4.71	2.80	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	175 %	133 %
Prated	14.00 kW	12.00 kW
SCOP	4.45	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	10.25 kW
COP Tj = -7 °C	2.55	1.70
Pdh $Tj = +2$ °C	7.30 kW	6.24 kW
$COP Tj = +2^{\circ}C$	4.70	3.60
Pdh Tj = $+7^{\circ}$ C	4.70 kW	4.01 kW
$COPTj = +7^{\circ}C$	5.70	4.60
Pdh Tj = 12°C	3.50 kW	3.50 kW
COP Tj = 12°C	6.00	5.50





This information was generated by the FIF RETMARK database on 7 Jul 202			
Pdh Tj = Tbiv	12.00 kW	10.25 kW	
COP Tj = Tbiv	2.55	1.70	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.10 kW	9.00 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.60	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90	
WTOL	55 °C	55 °C	
Poff	13 W	13 W	
РТО	0 W	0 W	
PSB	13 W	13 W	
PCK	0 W	0 W	
Supplementary Heater: Type of energy input	Electricity	Electricity	
Supplementary Heater: PSUP	1.90 kW	2.60 kW	
Annual energy consumption Qhe	6313 kWh	7066 kWh	



Model: RAS-5WHVNPE RWD-5.0NWE-200S - Heating Only

Configure model		
Model name RAS-5WHVNPE RWD-5.0NWE-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

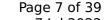
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2			
Low temperature Medium temperature			
Heat output	14.00 kW	14.00 kW	
El input	2.97 kW	5.00 kW	
СОР	4.71	2.80	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	175 %	133 %
Prated	14.00 kW	12.00 kW
SCOP	4.45	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	10.25 kW
COP Tj = -7 °C	2.55	1.70
Pdh $Tj = +2$ °C	7.30 kW	6.24 kW
$COP Tj = +2^{\circ}C$	4.70	3.60
Pdh Tj = $+7^{\circ}$ C	4.70 kW	4.01 kW
$COPTj = +7^{\circ}C$	5.70	4.60
Pdh Tj = 12°C	3.50 kW	3.50 kW
COP Tj = 12°C	6.00	5.50



7066 kWh



This information was generated by the HP KEYMARK database on 7 Jul 2022 Pdh Tj = Tbiv12.00 kW 10.25 kW COP Tj = Tbiv 2.55 1.70 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 12.10 kW 9.00 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.50 1.60 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 0.90 0.90 WTOL 55 °C 55 °C Poff 13 W 13 W PTO 0 W 0 W **PSB** 13 W 13 W **PCK** 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.90 kW 2.60 kW

6313 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe

Average Climate



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EN 16147	
Declared load profile	L
Efficiency ηDHW	130 %
СОР	3.25
Heating up time	1:10 h:min
Standby power input	42.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	263 I



Model: RAS-5WHVNPE RWD-5.0NWE-260S -**Heating Only**

Configure model		
Model name	RAS-5WHVNPE RWD-5.0NWE-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

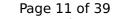
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.00 kW	14.00 kW
El input	2.97 kW	5.00 kW
СОР	4.71	2.80



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	175 %	133 %
Prated	14.00 kW	12.00 kW
SCOP	4.45	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	10.25 kW
COP Tj = -7°C	2.55	1.70
Pdh Tj = +2°C	7.30 kW	6.24 kW
COP Tj = +2°C	4.70	3.60
Pdh Tj = +7°C	4.70 kW	4.01 kW
COP Tj = +7°C	5.70	4.60
Pdh Tj = 12°C	3.50 kW	3.50 kW
COP Tj = 12°C	6.00	5.50



7066 kWh



This information was generated by the HP KEYMARK database on 7 Jul		IARK database on 7 Jul 202
Pdh Tj = Tbiv	12.00 kW	10.25 kW
COP Tj = Tbiv	2.55	1.70
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.10 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	13 W	13 W
PTO	o w	o w
PSB	13 W	13 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.60 kW

6313 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe

Average Climate



EN 16147	
Declared load profile	XL
Efficiency ηDHW	134 %
СОР	3.35
Heating up time	1:25 h:min
Standby power input	44.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 l



Model: RAS-5WHVNPE RWD-5.0NWE-200S-K - UK- Heating Only

Configure model		
Model name	RAS-5WHVNPE RWD-5.0NWE-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

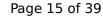
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	14.00 kW	14.00 kW
El input	2.97 kW	5.00 kW
СОР	4.71	2.80



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	175 %	133 %
Prated	14.00 kW	12.00 kW
SCOP	4.45	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7° C	12.00 kW	10.25 kW
COP Tj = -7° C	2.55	1.70
Pdh Tj = $+2$ °C	7.30 kW	6.24 kW
$COP Tj = +2^{\circ}C$	4.70	3.60
Pdh Tj = $+7^{\circ}$ C	4.70 kW	4.01 kW
$COPTj = +7^{\circ}C$	5.70	4.60
Pdh Tj = 12°C	3.50 kW	3.50 kW
COP Tj = 12°C	6.00	5.50





Pdh Tj = Tbiv	12.00 kW	10.25 kW
COP Tj = Tbiv	2.55	1.70
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.10 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	13 W	13 W
РТО	0 W	0 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.60 kW
Annual energy consumption Qhe	6313 kWh	7066 kWh

Domestic Hot Water (DHW)

Average Climate



EN 16147	
Declared load profile	L
Efficiency ηDHW	130 %
СОР	3.25
Heating up time	1:10 h:min
Standby power input	42.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	263 I



Model: RAS-5WHVNPE RWD-5.0NWE-260S-K - UK- Heating Only

Configure model		
Model name	RAS-5WHVNPE RWD-5.0NWE-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

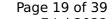
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	14.00 kW	14.00 kW
El input	2.97 kW	5.00 kW
СОР	4.71	2.80



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	175 %	133 %
Prated	14.00 kW	12.00 kW
SCOP	4.45	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	10.25 kW
COP Tj = -7°C	2.55	1.70
Pdh Tj = $+2$ °C	7.30 kW	6.24 kW
COP Tj = +2°C	4.70	3.60
Pdh Tj = +7°C	4.70 kW	4.01 kW
$COP Tj = +7^{\circ}C$	5.70	4.60
Pdh Tj = 12°C	3.50 kW	3.50 kW
COP Tj = 12°C	6.00	5.50





This information was generated by the HP KEYMARK database on 7 Jul		MARK database on 7 Jul 202
Pdh Tj = Tbiv	12.00 kW	10.25 kW
COP Tj = Tbiv	2.55	1.70
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.10 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	13 W	13 W
PTO	0 W	0 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.60 kW

6313 kWh

7066 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe

Average Climate



EN 16147	
Declared load profile	XL
Efficiency ηDHW	134 %
СОР	3.35
Heating up time	1:25 h:min
Standby power input	44.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 I



Model: RAS-5WHVNPE RWD-5.0NWSE-260S - Solar - Heating Only

Configure model	
Model name	RAS-5WHVNPE RWD-5.0NWSE-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

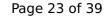
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.00 kW	14.00 kW
El input	2.97 kW	5.00 kW
СОР	4.71	2.80

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

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	175 %	133 %
Prated	14.00 kW	12.00 kW
SCOP	4.45	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	10.25 kW
$COP Tj = -7^{\circ}C$	2.55	1.70
Pdh Tj = $+2^{\circ}$ C	7.30 kW	6.24 kW
COP Tj = +2°C	4.70	3.60
Pdh Tj = $+7^{\circ}$ C	4.70 kW	4.01 kW
$COPTj = +7^{\circ}C$	5.70	4.60
Pdh Tj = 12°C	3.50 kW	3.50 kW
COP Tj = 12°C	6.00	5.50





Pdh Tj = Tbiv	12.00 kW	10.25 kW
COP Tj = Tbiv	2.55	1.70
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.10 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	13 W	13 W
РТО	0 W	0 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.60 kW
Annual energy consumption Qhe	6313 kWh	7066 kWh

Domestic Hot Water (DHW)

Average Climate



EN 16147	
Declared load profile	XL
Efficiency ηDHW	134 %
СОР	3.35
Heating up time	1:25 h:min
Standby power input	44.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 I

Model: RAS-5WHVNPE RWM-5.0NE - with cooling kit

Configure model	
Model name RAS-5WHVNPE RWM-5.0NE - 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

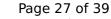
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2			
Low temperature Medium temperature			
Heat output	14.00 kW	14.00 kW	
El input	2.97 kW	5.00 kW	
СОР	4.71	2.80	



EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	39 dB(A)	39 dB(A)		
Sound power level outdoor	65 dB(A)	65 dB(A)		

EN 14825		
	Low temperature	Medium temperature
η_{s}	176 %	134 %
Prated	14.00 kW	12.00 kW
SCOP	4.48	3.43
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	10.25 kW
COP Tj = -7°C	2.55	1.70
Pdh Tj = +2°C	7.30 kW	6.24 kW
$COP Tj = +2^{\circ}C$	4.70	3.60
Pdh Tj = +7°C	4.70 kW	4.01 kW
$COPTj = +7^{\circ}C$	5.70	4.60
Pdh Tj = 12°C	3.50 kW	3.50 kW
COP Tj = 12°C	6.00	5.50





Pdh Tj = Tbiv	12.00 kW	10.25 kW
COP Tj = Tbiv	2.55	1.70
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.10 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	13 W	13 W
РТО	0 W	0 W
PSB	13 W	13 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.60 kW
Annual energy consumption Qhe	6265 kWh	7018 kWh



Model: RAS-5WHVNPE RWD-5.0NWE-200S - with cooling kit

Configure model		
Model name	RAS-5WHVNPE RWD-5.0NWE-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	14.00 kW	14.00 kW	
El input	2.97 kW	5.00 kW	
СОР	4.71	2.80	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	176 %	134 %
Prated	14.00 kW	12.00 kW
SCOP	4.48	3.43
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	10.25 kW
COP Tj = -7°C	2.55	1.70
Pdh Tj = +2°C	7.30 kW	6.24 kW
$COP Tj = +2^{\circ}C$	4.70	3.60
Pdh Tj = +7°C	4.70 kW	4.01 kW
$COPTj = +7^{\circ}C$	5.70	4.60
Pdh Tj = 12°C	3.50 kW	3.50 kW
COP Tj = 12°C	6.00	5.50

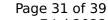




Pdh Tj = Tbiv	12.00 kW	10.25 kW
COP Tj = Tbiv	2.55	1.70
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.10 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	13 W	13 W
РТО	0 W	0 W
PSB	13 W	13 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.60 kW
Annual energy consumption Qhe	6265 kWh	7018 kWh

Domestic Hot Water (DHW)

Average Climate





EN 16147	
Declared load profile	L
Efficiency ηDHW	130 %
СОР	3.25
Heating up time	1:10 h:min
Standby power input	42.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	263 I

Model: RAS-5WHVNPE RWD-5.0NWE-260S - with cooling kit

Configure model		
Model name	RAS-5WHVNPE RWD-5.0NWE-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	14.00 kW	14.00 kW
El input	2.97 kW	5.00 kW
СОР	4.71	2.80



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	176 %	134 %
Prated	14.00 kW	12.00 kW
SCOP	4.48	3.43
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	10.25 kW
COP Tj = -7 °C	2.55	1.70
Pdh Tj = +2°C	7.30 kW	6.24 kW
$COP Tj = +2^{\circ}C$	4.70	3.60
Pdh Tj = +7°C	4.70 kW	4.01 kW
$COPTj = +7^{\circ}C$	5.70	4.60
Pdh Tj = 12°C	3.50 kW	3.50 kW
COP Tj = 12°C	6.00	5.50





Pdh Tj = Tbiv12.00 kW 10.25 kW COP Tj = Tbiv 2.55 1.70 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 12.10 kW 9.00 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.50 1.60 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 0.90 0.90 WTOL 55 °C 55 °C Poff 13 W 13 W PTO 0 W 0 W **PSB** 13 W 13 W **PCK** 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity

1.90 kW

6265 kWh

2.60 kW

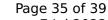
7018 kWh

Domestic Hot Water (DHW)

Average Climate

Supplementary Heater: PSUP

Annual energy consumption Qhe





EN 16147	
Declared load profile	XL
Efficiency ηDHW	134 %
СОР	3.35
Heating up time	1:25 h:min
Standby power input	44.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 I



Model: RAS-5WHVNPE RWD-5.0NWSE-260S - Solar - with cooling kit

Configure model		
Model name	RAS-5WHVNPE RWD-5.0NWSE-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

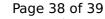
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2				
	Low temperature	Medium temperature		
Heat output	14.00 kW	14.00 kW		
El input	2.97 kW	5.00 kW		
СОР	4.71	2.80		



EN 12102-1					
	Low temperature	Medium temperature			
Sound power level indoor	39 dB(A)	39 dB(A)			
Sound power level outdoor	65 dB(A)	65 dB(A)			

EN 14825				
	Low temperature	Medium temperature		
η_{S}	176 %	134 %		
Prated	14.00 kW	12.00 kW		
SCOP	4.48	3.43		
Tbiv	-7 °C	-7 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7° C	12.00 kW	10.25 kW		
COP Tj = -7 °C	2.55	1.70		
Pdh Tj = $+2$ °C	7.30 kW	6.24 kW		
COP Tj = +2°C	4.70	3.60		
Pdh Tj = $+7^{\circ}$ C	4.70 kW	4.01 kW		
$COP Tj = +7^{\circ}C$	5.70	4.60		
Pdh Tj = 12°C	3.50 kW	3.50 kW		
COP Tj = 12°C	6.00	5.50		

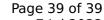




Pdh Tj = Tbiv	12.00 kW	10.25 kW
COP Tj = Tbiv	2.55	1.70
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.10 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	13 W	13 W
РТО	o w	0 W
PSB	13 W	13 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.60 kW
Annual energy consumption Qhe	6265 kWh	7018 kWh

Domestic Hot Water (DHW)

Average Climate





EN 16147			
Declared load profile	XL		
Efficiency ηDHW	134 %		
СОР	3.35		
Heating up time	1:25 h:min		
Standby power input	44.0 W		
Reference hot water temperature	54.0 °C		
Mixed water at 40°C	350 I		