

Page 1 of 39

This information was generated by the HP KEYMARK database on 18 Mar 2022

Login

Summary of	04. Yutaki S & S Combi 4.0HP (mono)	Reg. No.	041-K002-04	
Certificate Holder				
Name Johnson Controls-Hitachi AirConditioning Spain				
Address	Ronda Shimizu, 1. Pol. Ind. Can Torrella Zip 08233		08233	
City	Vacarisses, Barcelona	Country	Spain	
Certification Body	BRE Global Limited			
Subtype title	04. Yutaki S & S Combi 4.0HP (mono)			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	3.3 kg			

Model: RAS-4WHVNPE RWM-4.0NE - Heating Only

Configure model		
Model name	RAS-4WHVNPE RWM-4.0NE - Heating Only	
Application Heating (medium temp)		
Jnits 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	11.00 kW	11.00 kW
El input	2.20 kW	3.67 kW
СОР	5.00	3.00



Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
Low temperature	Medium temperature	
187 %	136 %	
11.00 kW	10.00 kW	
4.75	3.48	
-7 °C	-7 °C	
-10 °C	-10 °C	
9.60 kW	8.60 kW	
2.74	1.80	
5.84 kW	5.23 kW	
5.20	3.60	
3.76 kW	3.52 kW	
5.80	4.80	
3.70 kW	3.60 kW	
6.40	5.80	
	Low temperature 187 % 11.00 kW 4.75 -7 °C -10 °C 9.60 kW 2.74 5.84 kW 5.20 3.76 kW 5.80 3.70 kW	



Page 4 of 39

This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = Tbiv	9.60 kW	8.60 kW
COP Tj = Tbiv	2.74	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	7.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.65	1.70
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	o w
PSB	13 W	13 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.50 kW	2.30 kW
Annual energy consumption Qhe	4714 kWh	5815 kWh



Model: RAS-4WHVNPE RWD-4.0NWE-200S - Heating Only

Configure model		
Model name RAS-4WHVNPE RWD-4.0NWE-200S - Heating Only		
Application Heating + DHW + low temp		
Units	Indoor + Outdoor	
limate 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	11.00 kW	11.00 kW
El input	2.20 kW	3.67 kW
СОР	5.00	3.00



Average Climate

EN 12102-1				
Low temperature Medium temperature				
Sound power level indoor	39 dB(A)	39 dB(A)		
Sound power level outdoor	64 dB(A)	64 dB(A)		

EN 14825		
	Low temperature	Medium temperature
η_{s}	187 %	136 %
Prated	11.00 kW	10.00 kW
SCOP	4.75	3.48
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.60 kW	8.60 kW
COP Tj = -7° C	2.74	1.80
Pdh Tj = $+2$ °C	5.84 kW	5.23 kW
$COPTj = +2^{\circ}C$	5.20	3.60
Pdh Tj = $+7^{\circ}$ C	3.76 kW	3.52 kW
$COPTj = +7^{\circ}C$	5.80	4.80
Pdh Tj = 12°C	3.70 kW	3.60 kW
COP Tj = 12°C	6.40	5.80





	,	
Pdh Tj = Tbiv	9.60 kW	8.60 kW
COP Tj = Tbiv	2.74	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	7.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.65	1.70
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	o w
PSB	13 W	13 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.50 kW	2.30 kW
Annual energy consumption Qhe	4714 kWh	5815 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	130 %
СОР	3.25
Heating up time	1:23 h:min
Standby power input	42.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	263 I

Model: RAS-4WHVNPE RWD-4.0NWE-260S - Heating Only

Configure model		
Model name RAS-4WHVNPE RWD-4.0NWE-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	11.00 kW	11.00 kW
El input	2.20 kW	3.67 kW
СОР	5.00	3.00



Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

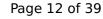
EN 14825		
	Low temperature	Medium temperature
η_{s}	187 %	136 %
Prated	11.00 kW	10.00 kW
SCOP	4.75	3.48
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.60 kW	8.60 kW
COP Tj = -7° C	2.74	1.80
Pdh Tj = $+2$ °C	5.84 kW	5.23 kW
$COPTj = +2^{\circ}C$	5.20	3.60
Pdh Tj = $+7^{\circ}$ C	3.76 kW	3.52 kW
$COPTj = +7^{\circ}C$	5.80	4.80
Pdh Tj = 12°C	3.70 kW	3.60 kW
COP Tj = 12°C	6.40	5.80



	•	
Pdh Tj = Tbiv	9.60 kW	8.60 kW
COP Tj = Tbiv	2.74	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	7.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.65	1.70
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	o w
PSB	13 W	13 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.50 kW	2.30 kW
Annual energy consumption Qhe	4714 kWh	5815 kWh

Domestic Hot Water (DHW)

CEN heat pump KEYMARK





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	134 %	
COP	3.35	
Heating up time	1:44 h:min	
Standby power input	44.0 W	
Reference hot water temperature	54.0 °C	
Mixed water at 40°C	350 l	



Model: RAS-4WHVNPE RWD-4.0NWE-200S-K - UK- Heating Only

Configure model		
Model name	RAS-4WHVNPE RWD-4.0NWE-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	

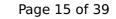
EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.00 kW	11.00 kW
El input	2.20 kW	3.67 kW
СОР	5.00	3.00



Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
Low temperature	Medium temperature	
187 %	136 %	
11.00 kW	10.00 kW	
4.75	3.48	
-7 °C	-7 °C	
-10 °C	-10 °C	
9.60 kW	8.60 kW	
2.74	1.80	
5.84 kW	5.23 kW	
5.20	3.60	
3.76 kW	3.52 kW	
5.80	4.80	
3.70 kW	3.60 kW	
6.40	5.80	
	Low temperature 187 % 11.00 kW 4.75 -7 °C -10 °C 9.60 kW 2.74 5.84 kW 5.20 3.76 kW 5.80 3.70 kW	





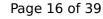
This information was generated by the HP KEYMARK database on 18 Mar 202		
Pdh Tj = Tbiv	9.60 kW	8.60 kW
COP Tj = Tbiv	2.74	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	7.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.65	1.70
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	13 W	13 W
РТО	o w	o w
PSB	13 W	13 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.50 kW	2.30 kW

4714 kWh

5815 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe





EN 16147		
Declared load profile	L	
Efficiency ηDHW	130 %	
СОР	3.25	
Heating up time	1:23 h:min	
Standby power input	42.0 W	
Reference hot water temperature	54.0 °C	
Mixed water at 40°C	263 I	



Model: RAS-4WHVNPE RWD-4.0NWE-260S-K - UK- Heating Only

Configure model		
Model name	RAS-4WHVNPE RWD-4.0NWE-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	

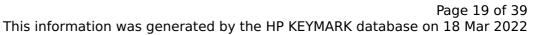
EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	11.00 kW	11.00 kW
El input	2.20 kW	3.67 kW
СОР	5.00	3.00



Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

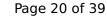
EN 14825		
	Low temperature	Medium temperature
η_{s}	187 %	136 %
Prated	11.00 kW	10.00 kW
SCOP	4.75	3.48
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.60 kW	8.60 kW
COP Tj = -7° C	2.74	1.80
Pdh Tj = $+2$ °C	5.84 kW	5.23 kW
$COPTj = +2^{\circ}C$	5.20	3.60
Pdh Tj = $+7^{\circ}$ C	3.76 kW	3.52 kW
$COPTj = +7^{\circ}C$	5.80	4.80
Pdh Tj = 12°C	3.70 kW	3.60 kW
COP Tj = 12°C	6.40	5.80





Pdh Tj = Tbiv	9.60 kW	8.60 kW
COP Tj = Tbiv	2.74	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	7.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.65	1.70
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	o w
PSB	13 W	13 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.50 kW	2.30 kW
Annual energy consumption Qhe	4714 kWh	5815 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	134 %	
СОР	3.35	
Heating up time	1:44 h:min	
Standby power input	44.0 W	
Reference hot water temperature	54.0 °C	
Mixed water at 40°C	350 I	



Model: RAS-4WHVNPE RWD-4.0NWSE-260S - Solar - Heating Only

Configure model		
Model name	RAS-4WHVNPE RWD-4.0NWSE-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

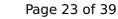
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2			
Low temperature Medium temperature			
Heat output	11.00 kW	11.00 kW	
El input	2.20 kW	3.67 kW	
СОР	5.00	3.00	

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
Low temperature	Medium temperature	
187 %	136 %	
11.00 kW	10.00 kW	
4.75	3.48	
-7 °C	-7 °C	
-10 °C	-10 °C	
9.60 kW	8.60 kW	
2.74	1.80	
5.84 kW	5.23 kW	
5.20	3.60	
3.76 kW	3.52 kW	
5.80	4.80	
3.70 kW	3.60 kW	
6.40	5.80	
	Low temperature 187 % 11.00 kW 4.75 -7 °C -10 °C 9.60 kW 2.74 5.84 kW 5.20 3.76 kW 5.80 3.70 kW	





Pdh Tj = Tbiv	9.60 kW	8.60 kW
COP Tj = Tbiv	2.74	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	7.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.65	1.70
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	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.50 kW	2.30 kW
Annual energy consumption Qhe	4714 kWh	5815 kWh

Domestic Hot Water (DHW)



$$\operatorname{\textit{Page}}\xspace$ 24 of 39 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	134 %	
СОР	3.35	
Heating up time	1:44 h:min	
Standby power input	44.0 W	
Reference hot water temperature	54.0 °C	
Mixed water at 40°C	350 I	



Model: RAS-4WHVNPE RWM-4.0NE - with cooling kit

Configure model		
Model name RAS-4WHVNPE RWM-4.0NE - 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		
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	11.00 kW	11.00 kW	
El input	2.20 kW	3.67 kW	
СОР	5.00	3.00	

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	189 %	137 %
Prated	11.00 kW	10.00 kW
SCOP	4.80	3.50
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7° C	9.60 kW	8.60 kW
COP Tj = -7° C	2.74	1.80
Pdh Tj = $+2$ °C	5.84 kW	5.23 kW
$COP Tj = +2^{\circ}C$	5.20	3.60
Pdh Tj = $+7^{\circ}$ C	3.76 kW	3.52 kW
$COPTj = +7^{\circ}C$	5.80	4.80
Pdh Tj = 12°C	3.70 kW	3.60 kW
COP Tj = 12°C	6.40	5.80



$$\operatorname{\textit{Page}}\xspace$ 27 of 39 This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = Tbiv	9.60 kW	8.60 kW
COP Tj = Tbiv	2.74	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	7.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.65	1.70
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	0 W
PSB	13 W	13 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.50 kW	2.30 kW
Annual energy consumption Qhe	4666 kWh	5767 kWh



Model: RAS-4WHVNPE RWD-4.0NWE-200S - with cooling kit

Configure model		
Model name RAS-4WHVNPE RWD-4.0NWE-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

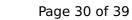
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2			
Low temperature Medium temperature			
Heat output	11.00 kW	11.00 kW	
El input	2.20 kW	3.67 kW	
СОР	5.00	3.00	

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

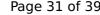
EN 14825		
Low temperature	Medium temperature	
189 %	137 %	
11.00 kW	10.00 kW	
4.80	3.50	
-7 °C	-7 °C	
-10 °C	-10 °C	
9.60 kW	8.60 kW	
2.74	1.80	
5.84 kW	5.23 kW	
5.20	3.60	
3.76 kW	3.52 kW	
5.80	4.80	
3.70 kW	3.60 kW	
6.40	5.80	
	Low temperature 189 % 11.00 kW 4.80 -7 °C -10 °C 9.60 kW 2.74 5.84 kW 5.20 3.76 kW 5.80 3.70 kW	





Pdh Tj = Tbiv	9.60 kW	8.60 kW
COP Tj = Tbiv	2.74	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	7.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.65	1.70
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	0.50 kW	2.30 kW
Annual energy consumption Qhe	4666 kWh	5767 kWh

Domestic Hot Water (DHW)





$$\operatorname{\textit{Page}}\ 31$$ of 39 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147	
Declared load profile	L
Efficiency ηDHW	130 %
СОР	3.25
Heating up time	1:23 h:min
Standby power input	42.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	263 I



Model: RAS-4WHVNPE RWD-4.0NWE-260S - with cooling kit

Configure model		
Model name	RAS-4WHVNPE RWD-4.0NWE-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

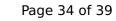
EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.00 kW	11.00 kW
El input	2.20 kW	3.67 kW
СОР	5.00	3.00



Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
Low temperature	Medium temperature	
189 %	137 %	
11.00 kW	10.00 kW	
4.80	3.50	
-7 °C	-7 °C	
-10 °C	-10 °C	
9.60 kW	8.60 kW	
2.74	1.80	
5.84 kW	5.23 kW	
5.20	3.60	
3.76 kW	3.52 kW	
5.80	4.80	
3.70 kW	3.60 kW	
6.40	5.80	
	Low temperature 189 % 11.00 kW 4.80 -7 °C -10 °C 9.60 kW 2.74 5.84 kW 5.20 3.76 kW 5.80 3.70 kW	





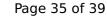
This information was generated by the HP KEYMARK database on 18 Mar 2022 Pdh Tj = Tbiv9.60 kW 8.60 kW COP Tj = Tbiv 2.74 1.80 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 10.50 kW 7.40 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.65 1.70 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 0.90 0.90 WTOL 55 °C 55 °C 13 W Poff 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 0.50 kW 2.30 kW

4666 kWh

5767 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe





EN 16147	
Declared load profile	XL
Efficiency ηDHW	134 %
СОР	3.35
Heating up time	1:44 h:min
Standby power input	44.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 I



Model: RAS-4WHVNPE RWD-4.0NWSE-260S - Solar - with cooling kit

Configure model		
Model name	RAS-4WHVNPE RWD-4.0NWSE-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

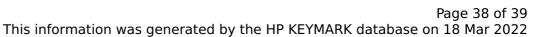
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2				
	Low temperature	Medium temperature		
Heat output	11.00 kW	11.00 kW		
El input	2.20 kW	3.67 kW		
СОР	5.00	3.00		

Average Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	39 dB(A)	39 dB(A)	
Sound power level outdoor	64 dB(A)	64 dB(A)	

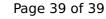
EN 14825		
	Low temperature	Medium temperature
η_{s}	189 %	137 %
Prated	11.00 kW	10.00 kW
SCOP	4.80	3.50
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7° C	9.60 kW	8.60 kW
COP Tj = -7° C	2.74	1.80
Pdh Tj = $+2$ °C	5.84 kW	5.23 kW
$COP Tj = +2^{\circ}C$	5.20	3.60
Pdh Tj = $+7^{\circ}$ C	3.76 kW	3.52 kW
$COPTj = +7^{\circ}C$	5.80	4.80
Pdh Tj = 12°C	3.70 kW	3.60 kW
COP Tj = 12°C	6.40	5.80





Pdh Tj = Tbiv	9.60 kW	8.60 kW
COP Tj = Tbiv	2.74	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	7.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.65	1.70
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	0.50 kW	2.30 kW
Annual energy consumption Qhe	4666 kWh	5767 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	134 %	
СОР	3.35	
Heating up time	1:44 h:min	
Standby power input	44.0 W	
Reference hot water temperature	54.0 °C	
Mixed water at 40°C	350 I	