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Login

Summary of	08. Yutaki S & S Combi 5.0HP (tri)	Reg. No.	041-K002-08
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	08. Yutaki S & S Combi 5.0HP (tri)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	3.4 kg		

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

Configure model		
Model name RAS-5WHNPE 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	3x400V 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

Average Climate



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}	174 %	133 %
Prated	14.00 kW	12.00 kW
SCOP	4.43	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
Pdh Tj = Tbiv	12.00 kW	10.25 kW



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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	19 W	19 W
РТО	o w	0 W
PSB	19 W	19 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	6335 kWh	7088 kWh



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

Configure model		
Model name RAS-5WHNPE 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 3x400V 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



Average Climate

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}	174 %	133 %
Prated	14.00 kW	12.00 kW
SCOP	4.43	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
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





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	19 W	19 W
РТО	o w	0 W
PSB	19 W	19 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	6335 kWh	7088 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	130 %	
СОР	3.25	
Reference hot water temperature	54.0 °C	
Mixed water at 40°C	263 I	
Heating up time	1:10 h:min	
Standby power input	49.0 W	



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

Configure model		
Model name RAS-5WHNPE 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	3x400V 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	

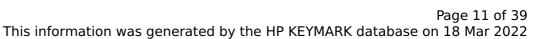
EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.00 kW	14.00 kW
El input	2.97 kW	5.00 kW
СОР	4.71	2.80



Average Climate

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)

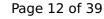
EN 14825		
	Low temperature	Medium temperature
η_{S}	174 %	133 %
Prated	14.00 kW	12.00 kW
SCOP	4.43	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	10.25 kW
COP Tj = -7 °C	2.55	1.70
Pdh Tj = $+2$ °C	7.30 kW	6.24 kW
$COP Tj = +2^{\circ}C$	4.70	3.60
Pdh Tj = $+7^{\circ}$ C	4.70 kW	4.01 kW
$COPTj = +7^{\circ}C$	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	19 W	19 W
РТО	o w	o w
PSB	19 W	19 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.60 kW
Annual energy consumption Qhe	6335 kWh	7088 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	134 %	
СОР	3.35	
Reference hot water temperature	54.0 °C	
Mixed water at 40°C	350 l	
Heating up time	1:25 h:min	
Standby power input	51.0 W	

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

Configure model			
Model name RAS-5WHNPE RWD-5.0NWE-200S-K - UK- Heating Only			
pplication Heating + DHW + low temp			
Units	Indoor + Outdoor		
Climate Zone	mate Zone n/a		
Reversibility No			
Cooling mode application (optional)	n/a		

General Data		
Power supply 3x400V 50Hz		

Heating

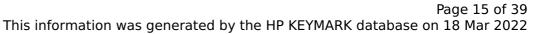
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

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	

Average Climate

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)

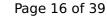
EN 14825		
	Low temperature	Medium temperature
η_{s}	174 %	133 %
Prated	14.00 kW	12.00 kW
SCOP	4.43	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	10.25 kW
COP Tj = -7° C	2.55	1.70
Pdh Tj = $+2$ °C	7.30 kW	6.24 kW
$COP Tj = +2^{\circ}C$	4.70	3.60
Pdh Tj = $+7^{\circ}$ C	4.70 kW	4.01 kW
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





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	19 W	19 W
РТО	o w	o w
PSB	19 W	19 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.60 kW
Annual energy consumption Qhe	6335 kWh	7088 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	130 %	
СОР	3.25	
Reference hot water temperature	54.0 °C	
Mixed water at 40°C	263 I	
Heating up time	1:10 h:min	
Standby power input	49.0 W	



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

Configure model			
Model name RAS-5WHNPE 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 3x400V 50Hz		

Heating

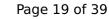
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

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	

Average Climate

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)	

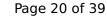
EN 14825		
	Low temperature	Medium temperature
η_{s}	174 %	133 %
Prated	14.00 kW	12.00 kW
SCOP	4.43	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	10.25 kW
COP Tj = -7° C	2.55	1.70
Pdh Tj = $+2$ °C	7.30 kW	6.24 kW
$COP Tj = +2^{\circ}C$	4.70	3.60
Pdh Tj = $+7^{\circ}$ C	4.70 kW	4.01 kW
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





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	19 W	19 W
РТО	0 W	0 W
PSB	19 W	19 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	6335 kWh	7088 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	XL
Efficiency ηDHW	134 %
СОР	3.35
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 l
Heating up time	1:25 h:min
Standby power input	51.0 W



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

Configure model		
Model name	RAS-5WHNPE 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	3x400V 50Hz	

Heating

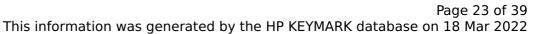
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

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

Average Climate

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}	174 %	133 %
Prated	14.00 kW	12.00 kW
SCOP	4.43	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	19 W	19 W
РТО	o w	0 W
PSB	19 W	19 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.60 kW
Annual energy consumption Qhe	6335 kWh	7088 kWh

Domestic Hot Water (DHW)



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EN 16147		
Declared load profile	XL	
Efficiency ηDHW	134 %	
СОР	3.35	
Reference hot water temperature	54.0 °C	
Mixed water at 40°C	350 l	
Heating up time	1:25 h:min	
Standby power input	51.0 W	

Model: RAS-5WHNPE RWM-5.0NE - with cooling

Configure model			
Model name RAS-5WHNPE 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	3x400V 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	

Average Climate

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 = $+7^{\circ}$ 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



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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	19 W	19 W
РТО	o w	0 W
PSB	19 W	19 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-5WHNPE RWD-5.0NWE-200S - with cooling kit

Configure model		
Model name RAS-5WHNPE 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	3x400V 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	



Average Climate

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)		

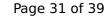
EN 14825		
	Low temperature	Medium temperature
η_{s}	176 %	134 %
Prated	14.00 kW	12.00 kW
SCOP	4.48	3.43
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	10.25 kW
COP Tj = -7°C	2.55	1.70
Pdh Tj = +2°C	7.30 kW	6.24 kW
$COP Tj = +2^{\circ}C$	4.70	3.60
Pdh Tj = +7°C	4.70 kW	4.01 kW
$COPTj = +7^{\circ}C$	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	19 W	19 W
РТО	o w	o w
PSB	19 W	19 W
PCK	o w	o 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)





EN 16147	
Declared load profile	L
Efficiency ηDHW	130 %
СОР	3.25
Reference hot water temperature	54.0 °C
Mixed water at 40°C	263 I
Heating up time	1:10 h:min
Standby power input	49.0 W



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

Configure model	
Model name	RAS-5WHNPE 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 3x400V 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	

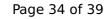
EN 14511-2		
Low temperature Medium temperature		
Heat output	14.00 kW	14.00 kW
El input	2.97 kW	5.00 kW
СОР	4.71	2.80



Average Climate

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)

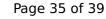
EN 14825		
	Low temperature	Medium temperature
η_{s}	176 %	134 %
Prated	14.00 kW	12.00 kW
SCOP	4.48	3.43
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	10.25 kW
COP Tj = -7°C	2.55	1.70
Pdh Tj = +2°C	7.30 kW	6.24 kW
$COP Tj = +2^{\circ}C$	4.70	3.60
Pdh Tj = +7°C	4.70 kW	4.01 kW
$COPTj = +7^{\circ}C$	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	19 W	19 W
РТО	0 W	0 W
PSB	19 W	19 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	6265 kWh	7018 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	XL
Efficiency ηDHW	134 %
СОР	3.35
Reference hot water temperature	54.0 °C
Mixed water at 40°C	350 l
Heating up time	1:25 h:min
Standby power input	51.0 W



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

Configure model	
Model name	RAS-5WHNPE 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	3x400V 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

Average Climate

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

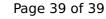
EN 14825		
	Low temperature	Medium temperature
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SCOP	4.48	3.43
Tbiv	-7 °C	-7 °C
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Pdh Tj = -7° C	12.00 kW	10.25 kW
COP Tj = -7 °C	2.55	1.70
Pdh Tj = $+2$ °C	7.30 kW	6.24 kW
$COP Tj = +2^{\circ}C$	4.70	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
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Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	19 W	19 W
РТО	0 W	0 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.60 kW
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