

Summary of	08. Yutaki S & S Combi 5.0HP (tri)	Reg. No.	041-K002-08
Certificate Holder			
Name	Johnson Controls-Hitachi AirConditioning Sp	ain	
Address	Ronda Shimizu, 1. Pol. Ind. Can Torrella	Zip	08233
City	Vacarisses, Barcelona	Country	Spain
Certification Body	BRE Energy & Communications Division		
Name of testing laboratory	CEIS		
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

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
Indoor water flow rate	2.40 m³/h	1.50 m³/h



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
$\eta_{s}$	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	12.10 kW	9.00 kW
COP Tj = TOL	2.50	1.60
Cdh	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



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

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
Indoor water flow rate	2.40 m³/h	1.50 m³/h



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
$\eta_{s}$	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





2.55	1.70
12.10 kW	9.00 kW
2.50	1.60
0.90	0.90
55 °C	55 °C
19 W	19 W
o w	0 W
19 W	19 W
0 W	0 W
electricity	electricity
1.90 kW	2.60 kW
6335 kWh	7088 kWh
	12.10 kW  2.50  0.90  55 °C  19 W  0 W  19 W  0 W  electricity  1.90 kW

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

General Data		
Power supply 3x400V 50Hz		

#### Heating

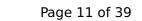
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

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
Indoor water flow rate	2.40 m³/h	1.50 m³/h



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
$\eta_{s}$	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





COP Tj = Tbiv	2.55	1.70
Pdh Tj = TOL	12.10 kW	9.00 kW
COP Tj = TOL	2.50	1.60
Cdh	0.90	0.90
WTOL	55 °C	55 °C
Poff	19 W	19 W
РТО	0 W	o w
PSB	19 W	19 W
PCK	0 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 RWD-5.0NWE-200S-K - UK-Heating Only

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	

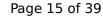
EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.00 kW	14.00 kW
El input	2.97 kW	5.00 kW
СОР	4.71	2.80
Indoor water flow rate	2.40 m³/h	1.50 m³/h



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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
$\eta_{s}$	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





COP Tj = Tbiv	2.55	1.70
Pdh Tj = TOL	12.10 kW	9.00 kW
COP Tj = TOL	2.50	1.60
Cdh	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	0 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	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

General Data	
Power supply	3x400V 50Hz

#### Heating

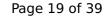
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

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
Indoor water flow rate	2.40 m³/h	1.50 m³/h



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
$\eta_{s}$	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





COP Tj = Tbiv	2.55	1.70
Pdh Tj = TOL	12.10 kW	9.00 kW
COP Tj = TOL	2.50	1.60
Cdh	0.90	0.90
WTOL	55 °C	55 °C
Poff	19 W	19 W
РТО	0 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)





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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 RWD-5.0NWSE-260S - Solar - Heating Only

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
Indoor water flow rate	2.40 m³/h	1.50 m³/h



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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
$\eta_{s}$	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





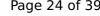
This information was generated by the Hill RETMARK database on 17 Dec 20		
COP Tj = Tbiv	2.55	1.70
Pdh Tj = TOL	12.10 kW	9.00 kW
COP Tj = TOL	2.50	1.60
Cdh	0.90	0.90
WTOL	55 °C	55 °C
Poff	19 W	19 W
РТО	0 W	0 W
PSB	19 W	19 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.90 kW	2.60 kW

6335 kWh

7088 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe





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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 kit

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
Indoor water flow rate	2.40 m³/h	1.50 m³/h



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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
$\eta_{s}$	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°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



### $$\operatorname{\textit{Page}}\xspace$ 27 of 39 This information was generated by the HP KEYMARK database on 17 Dec 2020

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COP Tj = Tbiv	2.55	1.70
Pdh Tj = TOL	12.10 kW	9.00 kW
COP Tj = TOL	2.50	1.60
Cdh	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



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

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
Indoor water flow rate	2.40 m³/h	1.50 m³/h



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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)

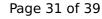
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	176 %	134 %
Prated	14.00 kW	12.00 kW
SCOP	4.48	3.43
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	10.25 kW
COP Tj = -7°C	2.55	1.70
Pdh Tj = +2°C	7.30 kW	6.24 kW
COP Tj = +2°C	4.70	3.60
Pdh Tj = +7°C	4.70 kW	4.01 kW
COP Tj = +7°C	5.70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





This information was	generated by the HF	KEYMARK database on 17 Do	ec 2020
COP Tj = Tbiv	2.55	1.70	
Pdh Tj = TOL	12.10 kW	9.00 kW	
COP Tj = TOL	2.50	1.60	
Cdh	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

General Data	
Power supply	3x400V 50Hz

#### Heating

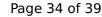
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

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
Indoor water flow rate	2.40 m³/h	1.50 m³/h



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
$\eta_{s}$	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°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	12.10 kW	9.00 kW
COP Tj = TOL	2.50	1.60
Cdh	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)





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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 RWD-5.0NWSE-260S - Solar - with cooling kit

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		

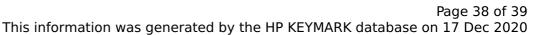
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	14.00 kW	14.00 kW	
El input	2.97 kW	5.00 kW	
СОР	4.71	2.80	
Indoor water flow rate	2.40 m³/h	1.50 m³/h	



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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
$\eta_{s}$	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°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	12.10 kW	9.00 kW
COP Tj = TOL	2.50	1.60
Cdh	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

electricity

1.90 kW

6265 kWh

electricity

2.60 kW

7018 kWh

Domestic Hot Water (DHW)

Supplementary Heater: Type of energy input

**Average Climate** 

Supplementary Heater: PSUP

Annual energy consumption Qhe





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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	