

**Certification Date** 

07.02.2020

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

<u>Logiii</u>			
Summary of	DAIKIN ALTHERMA 3 H HT 14KW (300L)	Reg. No.	011-1W0355
Certificate Holder	·		
Name	DAIKIN Europe N.V.		
Address	Zandvoordestraat 300	Zip	B-8400
City	Oostende	Country	Belgium
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbev	wertung mbH	·
Subtype title	DAIKIN ALTHERMA 3 H HT 14KW (300L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	4.2 kg		



# **Model: EPRA14DV / ETSH16P30D**

Configure model		
Model name	EPRA14DV / ETSH16P30D	
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		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.69 kW	7.24 kW
El input	1.22 kW	2.41 kW
СОР	4.67	3.01



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

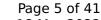
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	177 %	140 %
Prated	13.00 kW	13.00 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	11.20 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.70 kW	6.90 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.70 kW	6.90 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.00	1.00



Pdh Tj = 12°C	6.00 kW	6.20 kW
COP Tj = 12°C	7.40	5.72
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	11.10 kW	12.20 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.10 kW	12.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5726 kWh	7211 kWh

### Domestic Hot Water (DHW)

CEN heat pump KEYMARK





EN 16147		
Declared load profile	L	
Efficiency ηDHW	101 %	
СОР	2.38	
Heating up time	1:41 h:min	
Standby power input	49.0 W	
Reference hot water temperature	47.0 °C	
Mixed water at 40°C	149	



# **Model: EPRA14DV / ETSHB16P30D**

Configure model		
Model name	EPRA14DV / ETSHB16P30D	
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

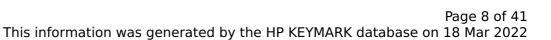
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.69 kW	7.24 kW
El input	1.22 kW	2.41 kW
СОР	4.67	3.01



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	177 %	140 %
Prated	13.00 kW	13.00 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	11.20 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.70 kW	6.90 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.70 kW	6.90 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.00	1.00





Pdh Tj = 12°C	6.00 kW	6.20 kW
COP Tj = 12°C	7.40	5.72
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	11.10 kW	12.20 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.10 kW	12.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5726 kWh	7211 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	101 %	
СОР	2.38	
Heating up time	1:41 h:min	
Standby power input	49.0 W	
Reference hot water temperature	47.0 °C	
Mixed water at 40°C	149	



# **Model: EPRA14DW / ETSH16P30D**

Configure model		
Model name	EPRA14DW / ETSH16P30D	
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		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.90 kW	7.24 kW
El input	1.23 kW	2.47 kW
СОР	4.79	2.93

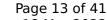


EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	176 %	140 %
Prated	13.00 kW	13.00 kW
SCOP	4.48	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.72 kW	11.10 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.87 kW	6.70 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	6.10 kW	6.50 kW
COP Tj = +7°C	5.75	4.54
Cdh Tj = +7 °C	1.00	1.00

Pdh Tj = 12°C	5.50 kW	5.20 kW
COP Tj = 12°C	6.97	5.97
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	10.72 kW	12.50 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.84	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
РТО	33 W	33 W
PSB	42 W	42 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5765 kWh	7236 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	101 %	
СОР	2.38	
Heating up time	1:25 h:min	
Standby power input	49.0 W	
Reference hot water temperature	47.0 °C	
Mixed water at 40°C	149	



# Model: EPRA14DW / ETSHB16P30D

Configure model		
Model name	EPRA14DW / ETSHB16P30D	
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		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.90 kW	7.24 kW
El input	1.23 kW	2.47 kW
СОР	4.79	2.93



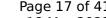
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	176 %	140 %
Prated	13.00 kW	13.00 kW
SCOP	4.48	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.72 kW	11.10 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.87 kW	6.70 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	6.10 kW	6.50 kW
COP Tj = +7°C	5.75	4.54
Cdh Tj = +7 °C	1.00	1.00



Pdh Tj = 12°C	5.50 kW	5.20 kW
COP Tj = 12°C	6.97	5.97
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	10.72 kW	12.50 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.84	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
РТО	33 W	33 W
PSB	42 W	42 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5765 kWh	7236 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	101 %	
СОР	2.38	
Heating up time	1:25 h:min	
Standby power input	49.0 W	
Reference hot water temperature	47.0 °C	
Mixed water at 40°C	149	



### **Model: EPRA14DV / ETSX16P30D**

Configure model		
Model name	EPRA14DV / ETSX16P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

EN 14511-2			
Low temperature Medium temperature			
Heat output	5.69 kW	7.24 kW	
El input	1.22 kW	2.41 kW	
СОР	4.67	3.01	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	180 %	142 %
Prated	13.00 kW	13.00 kW
SCOP	4.57	3.62
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	11.20 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.70 kW	6.90 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.70 kW	6.90 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.00	1.00

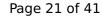


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#### This information was generated by the HP KEYMARK database on 18 Mar 2022

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Pdh Tj = 12°C	6.00 kW	6.20 kW
COP Tj = 12°C	7.40	5.72
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	11.10 kW	12.20 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.10 kW	12.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5649 kWh	7134 kWh

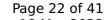
# Cooling





EN 14511-2			
+7°C/+12°C			
El input	2.54 kW		
Cooling capacity	6.90		
EER	2.70		

#### EN 14825





This information was generated by the Till RE	+7°C/+12°C
Pdesignc	6.90 kW
SEER	3.99
Pdc Tj = 35°C	6.90 kW
EER Tj = 35°C	2.70
Pdc Tj = 30°C	5.23 kW
EER Tj = 30°C	3.65
Cdc	1.0
Pdc Tj = 25°C	5.05 kW
EER Tj = 25°C	4.58
Cdc	1.0
Pdc Tj = 20°C	4.94 kW
EER Tj = 20°C	5.41
Cdc	1.0
Poff	21 W
РТО	41 W
PSB	21 W
PCK	o w
Annual energy consumption Qce	1038 kWh

### Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	101 %	
СОР	2.38	
Heating up time	1:41 h:min	
Standby power input	49.0 W	
Reference hot water temperature	47.0 °C	
Mixed water at 40°C	149	



# Model: EPRA14DV / ETSXB16P30D

Configure model		
Model name EPRA14DV / ETSXB16P30D		
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

EN 14511-2			
Low temperature Medium temperature			
Heat output	5.69 kW	7.24 kW	
El input	1.22 kW	2.41 kW	
СОР	4.67	3.01	



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	46 dB(A)	46 dB(A)	
Sound power level outdoor	54 dB(A)	54 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	180 %	142 %
Prated	13.00 kW	13.00 kW
SCOP	4.57	3.62
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	11.20 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.70 kW	6.90 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.70 kW	6.90 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.00	1.00



Pdh Tj = 12°C	6.00 kW	6.20 kW
COP Tj = 12°C	7.40	5.72
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	11.10 kW	12.20 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.10 kW	12.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
РТО	41 W	41 W
PSB	21 W	21 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5649 kWh	7134 kWh

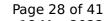
# Cooling





EN 14511-2			
+7°C/+12°C			
El input	2.54 kW		
Cooling capacity	6.90		
EER	2.70		

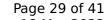
### EN 14825





	+7°C/+12°C
Pdesignc	6.90 kW
SEER	3.99
Pdc Tj = 35°C	6.90 kW
EER Tj = 35°C	2.70
Pdc Tj = 30°C	5.23 kW
EER Tj = 30°C	3.65
Cdc	1.0
Pdc Tj = 25°C	5.05 kW
EER Tj = 25°C	4.58
Cdc	1.0
Pdc Tj = 20°C	4.94 kW
EER Tj = 20°C	5.41
Cdc	1.0
Poff	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Qce	1038 kWh

### Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	101 %	
СОР	2.38	
Heating up time	1:41 h:min	
Standby power input	49.0 W	
Reference hot water temperature	47.0 °C	
Mixed water at 40°C	149	



# **Model: EPRA14DW / ETSX16P30D**

Configure model		
Model name	EPRA14DW / ETSX16P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply 3x400V 50Hz		

### Heating

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.90 kW	7.24 kW
El input	1.23 kW	2.47 kW
СОР	4.79	2.93



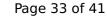
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	180 %	142 %
Prated	13.00 kW	13.00 kW
SCOP	4.57	3.63
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.72 kW	11.10 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.87 kW	6.70 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	6.10 kW	6.50 kW
COP Tj = +7°C	5.75	4.54
Cdh Tj = +7 °C	1.00	1.00



Pdh Tj = 12°C	5.50 kW	5.20 kW
COP Tj = 12°C	6.97	5.97
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	10.72 kW	12.50 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.84	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
РТО	33 W	33 W
PSB	42 W	42 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5651 kWh	7122 kWh

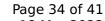
# Cooling





EN 14511-2			
+7°C/+12°C			
El input	3.32 kW		
Cooling capacity	6.90		
EER	2.70		

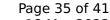
#### EN 14825





	+7°C/+12°C
Pdesignc	6.90 kW
SEER	3.87
Pdc Tj = 35°C	6.90 kW
EER Tj = 35°C	2.70
Pdc Tj = 30°C	5.23 kW
EER Tj = 30°C	3.65
Cdc	1.0
Pdc Tj = 25°C	5.05 kW
EER Tj = 25°C	4.58
Cdc	1.0
Pdc Tj = 20°C	4.94 kW
EER Tj = 20°C	5.41
Cdc	1.0
Poff	31 W
PTO	33 W
PSB	42 W
PCK	0 W
Annual energy consumption Qce	1069 kWh

### Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	101 %	
СОР	2.38	
Heating up time	1:25 h:min	
Standby power input	49.0 W	
Reference hot water temperature	47.0 °C	
Mixed water at 40°C	149	



# Model: EPRA14DW / ETSXB16P30D

Configure model		
Model name	EPRA14DW / ETSXB16P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	3x400V 50Hz	

### Heating

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.90 kW	7.24 kW
El input	1.23 kW	2.47 kW
СОР	4.79	2.93



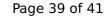
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	180 %	142 %
Prated	13.00 kW	13.00 kW
SCOP	4.57	3.63
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.72 kW	11.10 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.87 kW	6.70 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	6.10 kW	6.50 kW
COP Tj = +7°C	5.75	4.54
Cdh Tj = +7 °C	1.00	1.00



Pdh Tj = 12°C	5.50 kW	5.20 kW
COP Tj = 12°C	6.97	5.97
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	10.72 kW	12.50 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	12.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.84	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
РТО	33 W	33 W
PSB	42 W	42 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5651 kWh	7122 kWh

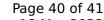
# Cooling





EN 14511-2			
+7°C/+12°C			
El input	3.32 kW		
Cooling capacity	6.90		
EER	2.70		

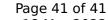
#### EN 14825





	+7°C/+12°C
Pdesignc	6.90 kW
SEER	3.87
Pdc Tj = 35°C	6.90 kW
EER Tj = 35°C	2.70
Pdc Tj = 30°C	5.23 kW
EER Tj = 30°C	3.65
Cdc	1.0
Pdc Tj = 25°C	5.05 kW
EER Tj = 25°C	4.58
Cdc	1.0
Pdc Tj = 20°C	4.94 kW
EER Tj = 20°C	5.41
Cdc	1.0
Poff	31 W
РТО	33 W
PSB	42 W
PCK	o w
Annual energy consumption Qce	1069 kWh

### Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	101 %
СОР	2.38
Heating up time	1:25 h:min
Standby power input	49.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	149