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Summary of	DAIKIN ALTHERMA 3 R ECH2O 11-16kW (500L)	Reg. No.	011-1W0494
Certificate Holder			
Name	DAIKIN Europe N.V.		
Address	Zandvoordestraat 300	Zip	B-8400
City	Oostende	Country	Belgium
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	DAIKIN ALTHERMA 3 R ECH2O 11-16kW (500L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	3.8 kg		
Certification Date	23.11.2021		
Testing basis	HP KEYMARK certification scheme rules rev. 8		

## Model: ERLA11DV3 / EBSH(B)11P50D

Configure model	
Model name	ERLA11DV3 / EBSH(B)11P50D
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 14511-2		
	Low temperature	Medium temperature
Heat output	10.56 kW	10.64 kW
El input	2.19 kW	3.62 kW
COP	4.83	2.94

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

### Cooling

**EN 14511-2**

	<b>+7°C/+12°C</b>
El input	3.47 kW
Cooling capacity	11.2
EER	3.22

**EN 14825**

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	11.00 kW
SEER	5.92
P <sub>dc</sub> T <sub>j</sub> = 35°C	11.00 kW
EER T <sub>j</sub> = 35°C	3.19
P <sub>dc</sub> T <sub>j</sub> = 30°C	8.10 kW
EER T <sub>j</sub> = 30°C	4.94
C <sub>dc</sub>	0.990
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.70 kW
EER T <sub>j</sub> = 25°C	7.18
C <sub>dc</sub>	0.970
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.90 kW
EER T <sub>j</sub> = 20°C	8.47
C <sub>dc</sub>	0.970
P <sub>off</sub>	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1116 kWh

## 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	44.7 dB(A)	44.7 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	182 %	126 %
Prated	10 kW	10 kW
SCOP	4.63	3.23
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.2 kW	7.9 kW
COP Tj = -7°C	3.03	1.89
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	5.5 kW	5.4 kW
COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.74	4.81
Cdh Tj = +7 °C	1.0	1.0

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

Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.54	6.41
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.2 kW	8.2 kW
COP Tj = Tbiv	3.01	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.4 kW	6.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.0	1.0
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	3.2 kW
Annual energy consumption Qhe	4462 kWh	6397 kWh

## Domestic Hot Water (DHW)

### Average Climate

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

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	126 %
COP	3.05
Heating up time	2:34 h:min
Standby power input	36.4 W
Reference hot water temperature	44.1 °C
Mixed water at 40°C	242.0 l

## Model: ERLA11DV3 / EBSX(B)11P50D

Configure model	
Model name	ERLA11DV3 / EBSX(B)11P50D
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 14511-2		
	Low temperature	Medium temperature
Heat output	10.56 kW	10.64 kW
El input	2.19 kW	3.62 kW
COP	4.83	2.94

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

### Cooling



**EN 14511-2**

	<b>+7°C/+12°C</b>
El input	3.47 kW
Cooling capacity	11.2
EER	3.22

**EN 14825**

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	11.00 kW
SEER	5.92
P <sub>dc</sub> T <sub>j</sub> = 35°C	11.00 kW
EER T <sub>j</sub> = 35°C	3.19
P <sub>dc</sub> T <sub>j</sub> = 30°C	8.10 kW
EER T <sub>j</sub> = 30°C	4.94
C <sub>dc</sub>	0.990
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.70 kW
EER T <sub>j</sub> = 25°C	7.18
C <sub>dc</sub>	0.970
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.90 kW
EER T <sub>j</sub> = 20°C	8.47
C <sub>dc</sub>	0.970
P <sub>off</sub>	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1116 kWh

## Average Climate

### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44.7 dB(A)	44.7 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	186 %	128 %
Prated	10 kW	10 kW
SCOP	4.72	3.27
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.2 kW	7.9 kW
COP Tj = -7°C	3.03	1.89
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	5.5 kW	5.4 kW
COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.74	4.81
Cdh Tj = +7 °C	1.0	1.0

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

Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.54	6.41
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.2 kW	8.2 kW
COP Tj = Tbiv	3.01	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.4 kW	6.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.0	1.0
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	3.2 kW
Annual energy consumption Qhe	4378 kWh	6312 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	126 %
COP	3.05
Heating up time	2:34 h:min
Standby power input	36.4 W
Reference hot water temperature	44.1 °C
Mixed water at 40°C	242.0 l

## Model: ERLA11DW1 / EBSH(B)11P50D

Configure model	
Model name	ERLA11DW1 / EBSH(B)11P50D
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 14511-2		
	Low temperature	Medium temperature
Heat output	10.56 kW	10.64 kW
El input	2.19 kW	3.62 kW
COP	4.83	2.94

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

### Cooling

**EN 14511-2**

	<b>+7°C/+12°C</b>
El input	3.47 kW
Cooling capacity	11.2
EER	3.22

**EN 14825**

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	11.00 kW
SEER	5.92
P <sub>dc</sub> T <sub>j</sub> = 35°C	11.00 kW
EER T <sub>j</sub> = 35°C	3.19
P <sub>dc</sub> T <sub>j</sub> = 30°C	8.10 kW
EER T <sub>j</sub> = 30°C	4.94
C <sub>dc</sub>	0.990
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.70 kW
EER T <sub>j</sub> = 25°C	7.18
C <sub>dc</sub>	0.970
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.90 kW
EER T <sub>j</sub> = 20°C	8.47
C <sub>dc</sub>	0.970
P <sub>off</sub>	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1116 kWh

## Average Climate



### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44.7 dB(A)	44.7 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	182 %	126 %
Prated	10 kW	10 kW
SCOP	4.63	3.23
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.2 kW	7.9 kW
COP Tj = -7°C	3.03	1.89
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	5.5 kW	5.4 kW
COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.74	4.81
Cdh Tj = +7 °C	1.0	1.0

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

Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.54	6.41
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.2 kW	8.2 kW
COP Tj = Tbiv	3.01	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.4 kW	6.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.0	1.0
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	3.2 kW
Annual energy consumption Qhe	4462 kWh	6397 kWh

## Domestic Hot Water (DHW)

### Average Climate

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

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	128 %
COP	3.10
Heating up time	2:34 h:min
Standby power input	31.4 W
Reference hot water temperature	44.1 °C
Mixed water at 40°C	242.0 l

## Model: ERLA11DW1 / EBSX(B)11P50D

Configure model	
Model name	ERLA11DW1 / EBSX(B)11P50D
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 14511-2		
	Low temperature	Medium temperature
Heat output	10.56 kW	10.64 kW
El input	2.19 kW	3.62 kW
COP	4.83	2.94

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

### Cooling

**EN 14511-2**

	<b>+7°C/+12°C</b>
El input	3.47 kW
Cooling capacity	11.2
EER	3.22

**EN 14825**

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	11.00 kW
SEER	5.92
P <sub>dc</sub> T <sub>j</sub> = 35°C	11.00 kW
EER T <sub>j</sub> = 35°C	3.19
P <sub>dc</sub> T <sub>j</sub> = 30°C	8.10 kW
EER T <sub>j</sub> = 30°C	4.94
C <sub>dc</sub>	0.990
P <sub>dc</sub> T <sub>j</sub> = 25°C	5.70 kW
EER T <sub>j</sub> = 25°C	7.18
C <sub>dc</sub>	0.970
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.90 kW
EER T <sub>j</sub> = 20°C	8.47
C <sub>dc</sub>	0.970
P <sub>off</sub>	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1116 kWh

## Average Climate

### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44.7 dB(A)	44.7 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	186 %	128 %
Prated	10 kW	10 kW
SCOP	4.72	3.27
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.2 kW	7.9 kW
COP Tj = -7°C	3.03	1.89
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	5.5 kW	5.4 kW
COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.74	4.81
Cdh Tj = +7 °C	1.0	1.0

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

Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.54	6.41
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.2 kW	8.2 kW
COP Tj = Tbiv	3.01	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.4 kW	6.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.0	1.0
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	3.2 kW
Annual energy consumption Qhe	4378 kWh	6312 kWh

## Domestic Hot Water (DHW)

### Average Climate



<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	128 %
COP	3.10
Heating up time	2:34 h:min
Standby power input	31.4 W
Reference hot water temperature	44.1 °C
Mixed water at 40°C	242.0 l

## Model: ERLA14DV3 / EBSH(B)16P50D

Configure model	
Model name	ERLA14DV3 / EBSH(B)16P50D
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 14511-2		
	Low temperature	Medium temperature
Heat output	12.0 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

### Cooling

### EN 14511-2

	<b>+7°C/+12°C</b>
El input	4.34 kW
Cooling capacity	12.9
EER	2.98

### EN 14825

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	12.90 kW
SEER	5.86
P <sub>dc</sub> T <sub>j</sub> = 35°C	12.90 kW
EER T <sub>j</sub> = 35°C	2.96
P <sub>dc</sub> T <sub>j</sub> = 30°C	8.80 kW
EER T <sub>j</sub> = 30°C	4.77
C <sub>dc</sub>	0.990
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.20 kW
EER T <sub>j</sub> = 25°C	7.00
C <sub>dc</sub>	0.970
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.90 kW
EER T <sub>j</sub> = 20°C	8.88
C <sub>dc</sub>	0.960
P <sub>off</sub>	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1314 kWh

## Average Climate

### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	49.0 dB(A)	49.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0

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

Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.0	1.0
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	126 %
COP	3.05
Heating up time	2:34 h:min
Standby power input	36.4 W
Reference hot water temperature	44.1 °C
Mixed water at 40°C	242.0 l

## Model: ERLA14DV3 / EBSX(B)16P50D

Configure model	
Model name	ERLA14DV3 / EBSX(B)16P50D
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 14511-2		
	Low temperature	Medium temperature
Heat output	12.0 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

### Cooling



### EN 14511-2

	<b>+7°C/+12°C</b>
El input	4.34 kW
Cooling capacity	12.9
EER	2.98

### EN 14825

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	12.90 kW
SEER	5.86
P <sub>dc</sub> T <sub>j</sub> = 35°C	12.90 kW
EER T <sub>j</sub> = 35°C	2.96
P <sub>dc</sub> T <sub>j</sub> = 30°C	8.80 kW
EER T <sub>j</sub> = 30°C	4.77
C <sub>dc</sub>	0.990
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.20 kW
EER T <sub>j</sub> = 25°C	7.00
C <sub>dc</sub>	0.970
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.90 kW
EER T <sub>j</sub> = 20°C	8.88
C <sub>dc</sub>	0.960
P <sub>off</sub>	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1314 kWh

## Average Climate

### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	49.0 dB(A)	49.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0

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

Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.0	1.0
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	126 %
COP	3.05
Heating up time	2:34 h:min
Standby power input	36.4 W
Reference hot water temperature	44.1 °C
Mixed water at 40°C	242.0 l

## Model: ERLA14DW1 / EBSH(B)16P50D

Configure model	
Model name	ERLA14DW1 / EBSH(B)16P50D
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 14511-2		
	Low temperature	Medium temperature
Heat output	12.0 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

### Cooling

### EN 14511-2

	<b>+7°C/+12°C</b>
El input	4.34 kW
Cooling capacity	12.9
EER	2.98

### EN 14825

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	12.90 kW
SEER	5.86
P <sub>dc</sub> T <sub>j</sub> = 35°C	12.90 kW
EER T <sub>j</sub> = 35°C	2.96
P <sub>dc</sub> T <sub>j</sub> = 30°C	8.80 kW
EER T <sub>j</sub> = 30°C	4.77
C <sub>dc</sub>	0.990
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.20 kW
EER T <sub>j</sub> = 25°C	7.00
C <sub>dc</sub>	0.970
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.90 kW
EER T <sub>j</sub> = 20°C	8.88
C <sub>dc</sub>	0.960
P <sub>off</sub>	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1314 kWh

## 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	49.0 dB(A)	49.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0

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

Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.0	1.0
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 kWh

## Domestic Hot Water (DHW)

### Average Climate

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

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	128 %
COP	3.10
Heating up time	2:34 h:min
Standby power input	31.4 W
Reference hot water temperature	44.1 °C
Mixed water at 40°C	242.0 l

## Model: ERLA14DW1 / EBSX(B)16P50D

Configure model	
Model name	ERLA14DW1 / EBSX(B)16P50D
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 14511-2		
	Low temperature	Medium temperature
Heat output	12.0 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

### Cooling

**EN 14511-2**

	<b>+7°C/+12°C</b>
El input	4.34 kW
Cooling capacity	12.9
EER	2.98

**EN 14825**

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	12.90 kW
SEER	5.86
P <sub>dc</sub> T <sub>j</sub> = 35°C	12.90 kW
EER T <sub>j</sub> = 35°C	2.96
P <sub>dc</sub> T <sub>j</sub> = 30°C	8.80 kW
EER T <sub>j</sub> = 30°C	4.77
C <sub>dc</sub>	0.990
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.20 kW
EER T <sub>j</sub> = 25°C	7.00
C <sub>dc</sub>	0.970
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.90 kW
EER T <sub>j</sub> = 20°C	8.88
C <sub>dc</sub>	0.960
P <sub>off</sub>	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1314 kWh

## Average Climate

### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	49.0 dB(A)	49.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0

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

Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.0	1.0
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 kWh

## Domestic Hot Water (DHW)

### Average Climate



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

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	128 %
COP	3.10
Heating up time	2:34 h:min
Standby power input	31.4 W
Reference hot water temperature	44.1 °C
Mixed water at 40°C	242.0 l

## Model: ERLA16DV3 / EBSH(B)16P50D

Configure model	
Model name	ERLA16DV3 / EBSH(B)16P50D
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 14511-2		
	Low temperature	Medium temperature
Heat output	16.0 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

### Cooling

**EN 14511-2**

	<b>+7°C/+12°C</b>
El input	4.68 kW
Cooling capacity	13.6
EER	2.91

**EN 14825**

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	13.60 kW
SEER	5.76
P <sub>dc</sub> T <sub>j</sub> = 35°C	13.60 kW
EER T <sub>j</sub> = 35°C	2.88
P <sub>dc</sub> T <sub>j</sub> = 30°C	9.70 kW
EER T <sub>j</sub> = 30°C	4.58
C <sub>dc</sub>	0.990
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.20 kW
EER T <sub>j</sub> = 25°C	6.99
C <sub>dc</sub>	0.980
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.90 kW
EER T <sub>j</sub> = 20°C	8.69
C <sub>dc</sub>	0.970
P <sub>off</sub>	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1417 kWh

## Average Climate

### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	49.0 dB(A)	49.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	181 %	130 %
Prated	12 kW	12 kW
SCOP	4.61	3.32
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

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

Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.60
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.4 kW	10.1 kW
COP Tj = Tbiv	2.72	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.0	1.0
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	6.1 kW
Annual energy consumption Qhe	5377 kWh	7477 kWh

## Domestic Hot Water (DHW)

### Average Climate

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

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	126 %
COP	3.05
Heating up time	2:34 h:min
Standby power input	36.4 W
Reference hot water temperature	44.1 °C
Mixed water at 40°C	242.0 l

## Model: ERLA16DV3 / EBSX(B)16P50D

Configure model	
Model name	ERLA16DV3 / EBSX(B)16P50D
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 14511-2		
	Low temperature	Medium temperature
Heat output	16.0 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

### Cooling



**EN 14511-2**

	<b>+7°C/+12°C</b>
El input	4.68 kW
Cooling capacity	13.6
EER	2.91

**EN 14825**

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	13.60 kW
SEER	5.76
P <sub>dc</sub> T <sub>j</sub> = 35°C	13.60 kW
EER T <sub>j</sub> = 35°C	2.88
P <sub>dc</sub> T <sub>j</sub> = 30°C	9.70 kW
EER T <sub>j</sub> = 30°C	4.58
C <sub>dc</sub>	0.990
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.20 kW
EER T <sub>j</sub> = 25°C	6.99
C <sub>dc</sub>	0.980
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.90 kW
EER T <sub>j</sub> = 20°C	8.69
C <sub>dc</sub>	0.970
P <sub>off</sub>	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1417 kWh

## Average Climate

### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	49.0 dB(A)	49.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	184 %	131 %
Prated	12 kW	12 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

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

Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.60
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.4 kW	10.1 kW
COP Tj = Tbiv	2.72	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.0	1.0
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	6.1 kW
Annual energy consumption Qhe	5293 kWh	7392 kWh

## Domestic Hot Water (DHW)

### Average Climate

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

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	126 %
COP	3.05
Heating up time	2:34 h:min
Standby power input	36.4 W
Reference hot water temperature	44.1 °C
Mixed water at 40°C	242.0 l

## Model: ERLA16DW1 / EBSH(B)16P50D

Configure model	
Model name	ERLA16DW1 / EBSH(B)16P50D
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 14511-2		
	Low temperature	Medium temperature
Heat output	16.0 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

### Cooling

**EN 14511-2**

	<b>+7°C/+12°C</b>
El input	4.68 kW
Cooling capacity	13.6
EER	2.91

**EN 14825**

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	13.60 kW
SEER	5.76
P <sub>dc</sub> T <sub>j</sub> = 35°C	13.60 kW
EER T <sub>j</sub> = 35°C	2.88
P <sub>dc</sub> T <sub>j</sub> = 30°C	9.70 kW
EER T <sub>j</sub> = 30°C	4.58
C <sub>dc</sub>	0.990
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.20 kW
EER T <sub>j</sub> = 25°C	6.99
C <sub>dc</sub>	0.980
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.90 kW
EER T <sub>j</sub> = 20°C	8.69
C <sub>dc</sub>	0.970
P <sub>off</sub>	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1417 kWh

## Average Climate



### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	49.0 dB(A)	49.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	181 %	130 %
Prated	12 kW	12 kW
SCOP	4.61	3.32
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

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

Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.60
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.4 kW	10.1 kW
COP Tj = Tbiv	2.72	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.0	1.0
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	6.1 kW
Annual energy consumption Qhe	5377 kWh	7477 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	128 %
COP	3.10
Heating up time	2:34 h:min
Standby power input	31.4 W
Reference hot water temperature	44.1 °C
Mixed water at 40°C	242.0 l

## Model: ERLA16DW1 / EBSX(B)16P50D

Configure model	
Model name	ERLA16DW1 / EBSX(B)16P50D
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 14511-2		
	Low temperature	Medium temperature
Heat output	16.0 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

### Cooling

**EN 14511-2**

	<b>+7°C/+12°C</b>
El input	4.68 kW
Cooling capacity	13.6
EER	2.91

**EN 14825**

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

	<b>+7°C/+12°C</b>
P <sub>designc</sub>	13.60 kW
SEER	5.76
P <sub>dc</sub> T <sub>j</sub> = 35°C	13.60 kW
EER T <sub>j</sub> = 35°C	2.88
P <sub>dc</sub> T <sub>j</sub> = 30°C	9.70 kW
EER T <sub>j</sub> = 30°C	4.58
C <sub>dc</sub>	0.990
P <sub>dc</sub> T <sub>j</sub> = 25°C	6.20 kW
EER T <sub>j</sub> = 25°C	6.99
C <sub>dc</sub>	0.980
P <sub>dc</sub> T <sub>j</sub> = 20°C	5.90 kW
EER T <sub>j</sub> = 20°C	8.69
C <sub>dc</sub>	0.970
P <sub>off</sub>	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	1417 kWh

## Average Climate

### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	184 %	131 %
Prated	12.00 kW	12.00 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.20 kW	9.40 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.000
Pdh Tj = +2°C	6.70 kW	6.90 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.70 kW	4.40 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.000	1.000

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

Pdh Tj = 12°C	5.50 kW	5.30 kW
COP Tj = 12°C	8.82	6.60
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	11.40 kW	10.10 kW
COP Tj = Tbiv	2.72	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.60 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.40 kW	6.10 kW
Annual energy consumption Qhe	5293 kWh	7392 kWh

## Domestic Hot Water (DHW)

### Average Climate



<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	128 %
COP	3.10
Heating up time	2:34 h:min
Standby power input	31.4 W
Reference hot water temperature	44.1 °C
Mixed water at 40°C	242.0 l