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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

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

EN 14825

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

Average Climate

This information was generated by the HP KEYMARK database on 23 Jun 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
η_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 23 Jun 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 23 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency η_{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

This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 14511-2

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

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

	+7°C/+12°C
P _{designc}	11.00 kW
SEER	5.92
P _{dc} T _j = 35°C	11.00 kW
EER T _j = 35°C	3.19
P _{dc} T _j = 30°C	8.10 kW
EER T _j = 30°C	4.94
C _{dc}	0.990
P _{dc} T _j = 25°C	5.70 kW
EER T _j = 25°C	7.18
C _{dc}	0.970
P _{dc} T _j = 20°C	5.90 kW
EER T _j = 20°C	8.47
C _{dc}	0.970
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	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
η_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

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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

This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency η_{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

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

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	+7°C/+12°C
P _{designc}	11.00 kW
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P _{dc} T _j = 35°C	11.00 kW
EER T _j = 35°C	3.19
P _{dc} T _j = 30°C	8.10 kW
EER T _j = 30°C	4.94
C _{dc}	0.990
P _{dc} T _j = 25°C	5.70 kW
EER T _j = 25°C	7.18
C _{dc}	0.970
P _{dc} T _j = 20°C	5.90 kW
EER T _j = 20°C	8.47
C _{dc}	0.970
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	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
η_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

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Pdh Tj = 12°C	5.4 kW	5.3 kW
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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

EN 16147	
Declared load profile	XL
Efficiency η_{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

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

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

	+7°C/+12°C
P _{designc}	11.00 kW
SEER	5.92
P _{dc} T _j = 35°C	11.00 kW
EER T _j = 35°C	3.19
P _{dc} T _j = 30°C	8.10 kW
EER T _j = 30°C	4.94
C _{dc}	0.990
P _{dc} T _j = 25°C	5.70 kW
EER T _j = 25°C	7.18
C _{dc}	0.970
P _{dc} T _j = 20°C	5.90 kW
EER T _j = 20°C	8.47
C _{dc}	0.970
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	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
η_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 23 Jun 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

EN 16147	
Declared load profile	XL
Efficiency η_{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

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

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

	+7°C/+12°C
P _{designc}	12.90 kW
SEER	5.86
P _{dc} T _j = 35°C	12.90 kW
EER T _j = 35°C	2.96
P _{dc} T _j = 30°C	8.80 kW
EER T _j = 30°C	4.77
C _{dc}	0.990
P _{dc} T _j = 25°C	6.20 kW
EER T _j = 25°C	7.00
C _{dc}	0.970
P _{dc} T _j = 20°C	5.90 kW
EER T _j = 20°C	8.88
C _{dc}	0.960
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	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
η_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 23 Jun 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 23 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency η_{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

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

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

	+7°C/+12°C
P _{designc}	12.90 kW
SEER	5.86
P _{dc} T _j = 35°C	12.90 kW
EER T _j = 35°C	2.96
P _{dc} T _j = 30°C	8.80 kW
EER T _j = 30°C	4.77
C _{dc}	0.990
P _{dc} T _j = 25°C	6.20 kW
EER T _j = 25°C	7.00
C _{dc}	0.970
P _{dc} T _j = 20°C	5.90 kW
EER T _j = 20°C	8.88
C _{dc}	0.960
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	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
η_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 23 Jun 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 23 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency η_{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

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

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

	+7°C/+12°C
P _{designc}	12.90 kW
SEER	5.86
P _{dc} T _j = 35°C	12.90 kW
EER T _j = 35°C	2.96
P _{dc} T _j = 30°C	8.80 kW
EER T _j = 30°C	4.77
C _{dc}	0.990
P _{dc} T _j = 25°C	6.20 kW
EER T _j = 25°C	7.00
C _{dc}	0.970
P _{dc} T _j = 20°C	5.90 kW
EER T _j = 20°C	8.88
C _{dc}	0.960
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	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
η_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 23 Jun 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 23 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency η_{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

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

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

	+7°C/+12°C
P _{designc}	12.90 kW
SEER	5.86
P _{dc} T _j = 35°C	12.90 kW
EER T _j = 35°C	2.96
P _{dc} T _j = 30°C	8.80 kW
EER T _j = 30°C	4.77
C _{dc}	0.990
P _{dc} T _j = 25°C	6.20 kW
EER T _j = 25°C	7.00
C _{dc}	0.970
P _{dc} T _j = 20°C	5.90 kW
EER T _j = 20°C	8.88
C _{dc}	0.960
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	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
η_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 23 Jun 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

EN 16147	
Declared load profile	XL
Efficiency η_{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

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

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

	+7°C/+12°C
P _{designc}	13.60 kW
SEER	5.76
P _{dc} T _j = 35°C	13.60 kW
EER T _j = 35°C	2.88
P _{dc} T _j = 30°C	9.70 kW
EER T _j = 30°C	4.58
C _{dc}	0.990
P _{dc} T _j = 25°C	6.20 kW
EER T _j = 25°C	6.99
C _{dc}	0.980
P _{dc} T _j = 20°C	5.90 kW
EER T _j = 20°C	8.69
C _{dc}	0.970
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	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
η_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 23 Jun 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

EN 16147	
Declared load profile	XL
Efficiency η_{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

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

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

	+7°C/+12°C
P _{designc}	13.60 kW
SEER	5.76
P _{dc} T _j = 35°C	13.60 kW
EER T _j = 35°C	2.88
P _{dc} T _j = 30°C	9.70 kW
EER T _j = 30°C	4.58
C _{dc}	0.990
P _{dc} T _j = 25°C	6.20 kW
EER T _j = 25°C	6.99
C _{dc}	0.980
P _{dc} T _j = 20°C	5.90 kW
EER T _j = 20°C	8.69
C _{dc}	0.970
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	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
η_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 23 Jun 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 23 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency η_{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
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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

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

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

	+7°C/+12°C
P _{designc}	13.60 kW
SEER	5.76
P _{dc} T _j = 35°C	13.60 kW
EER T _j = 35°C	2.88
P _{dc} T _j = 30°C	9.70 kW
EER T _j = 30°C	4.58
C _{dc}	0.990
P _{dc} T _j = 25°C	6.20 kW
EER T _j = 25°C	6.99
C _{dc}	0.980
P _{dc} T _j = 20°C	5.90 kW
EER T _j = 20°C	8.69
C _{dc}	0.970
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	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
η_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 23 Jun 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

EN 16147	
Declared load profile	XL
Efficiency η_{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

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

EN 14825

This information was generated by the HP KEYMARK database on 23 Jun 2022

	+7°C/+12°C
P _{designc}	13.60 kW
SEER	5.76
P _{dc} T _j = 35°C	13.60 kW
EER T _j = 35°C	2.88
P _{dc} T _j = 30°C	9.70 kW
EER T _j = 30°C	4.58
C _{dc}	0.990
P _{dc} T _j = 25°C	6.20 kW
EER T _j = 25°C	6.99
C _{dc}	0.980
P _{dc} T _j = 20°C	5.90 kW
EER T _j = 20°C	8.69
C _{dc}	0.970
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	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
η_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 23 Jun 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

EN 16147	
Declared load profile	XL
Efficiency η_{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