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

#### <u>Login</u>

Summary of	DAIKIN ALTHERMA 3 R F 14KW (230L)	Reg. No.	011-1W0496
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 F 14KW (230L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	3.8 kg		
Certification Date	10.11.2021		
Testing basis	HP KEYMARK certification scheme rules rev. 8		



## Model: ERLA14DV3 / EBVH16S23D(6V/9W)

Configure model		
Model name ERLA14DV3 / EBVH16S23D(6V/9W)		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	12.00 kW	11.87 kW	
El input	2.46 kW	4.11 kW	
СОР	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	12.92
EER	2.98

#### EN 14825





	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1314 kWh

## Warmer Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	44 dB(A)	44 dB(A)	
Sound power level outdoor	62 dB(A)	62 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	239 %	166 %
Prated	11 kW	12.1 kW
SCOP	6.04	4.23
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0





Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.21
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.05 kW	2.04 kW
Annual energy consumption Qhe	2431 kWh	3818 kWh

## Average Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	44.0 dB(A)	44.0 dB(A)	
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)	

EN 14825		
	Low temperature	Medium temperature





This information was generated by the HP KEYMARK database on 23 Jun 2022				
$\eta_{s}$	181 %	126 %		
Prated	11 kW	11 kW		
SCOP	4.60	3.22		
Tbiv	-7 °C	-5 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = $-7^{\circ}$ C	9.8 kW	8.5 kW		
$COP Tj = -7^{\circ}C$	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 = $+7^{\circ}$ C	4.6 kW	4.4 kW		
$COPTj = +7^{\circ}C$	6.70	4.88		
Cdh Tj = +7 °C	1.0	1.0		
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		
	1			





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 1.9 kW 4.0 kW

4935 kWh

7047 kWh

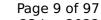
#### Domestic Hot Water (DHW)

Annual energy consumption Qhe

#### Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	124 %	
СОР	3.00	
Heating up time	1:10 h:min	
Standby power input	37.6 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0	

## Average Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	2.63	
Heating up time	1:11 h:min	
Standby power input	43.2 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0 l	



## Model: ERLA14DW1 / EBVH16S23D(6V/9W)

Configure model		
Model name	ERLA14DW1 / EBVH16S23D(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

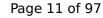
General Data		
Power supply	3x400V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
СОР	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	

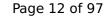
## Cooling





EN 14511-2		
+7°C/+12°C		
El input	4.34 kW	
Cooling capacity	12.92	
EER	2.98	

#### EN 14825





	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1314 kWh

## Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	239 %	166 %
Prated	11 kW	12.1 kW
SCOP	6.04	4.23
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0





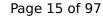
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.53	2.22
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.05 kW	2.04 kW
Annual energy consumption Qhe	2431 kWh	3818 kWh

## **Average Climate**

# EN 12102-1 Low temperature Medium temperature Sound power level indoor 44.0 dB(A) 44.0 dB(A)

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

EN 14825		
	Low temperature	Medium temperature





	· · · · · · · · · · · · · · · · · · ·	NK database on 23 juli 202.
$\eta_s$	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7^{\circ}$ C	9.8 kW	8.5 kW
$COP Tj = -7^{\circ}C$	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = $+2$ °C	6.1 kW	6.2 kW
COPTj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	4.6 kW	4.4 kW
$COPTj = +7^{\circ}C$	6.70	4.88
Cdh Tj = $+7$ °C	1.0	1.0
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
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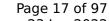
	<b>,</b>	
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 kWh

## Domestic Hot Water (DHW)

#### Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	124 %	
СОР	3.00	
Heating up time	1:10 h:min	
Standby power input	37.6 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0	

## Average Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	2.63	
Heating up time	1:11 h:min	
Standby power input	43.2 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0 l	



## Model: ERLA14DV3 / EBVH16SU23D6V

Configure model		
Model name	ERLA14DV3 / EBVH16SU23D6V	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

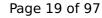
General Data		
Power supply 1x230V 50Hz		

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
СОР	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	12.92
EER	2.98

#### EN 14825





	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1314 kWh

## Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	239 %	166 %
Prated	11 kW	12.1 kW
SCOP	6.04	4.23
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
$COP Tj = +7^{\circ}C$	5.77	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0





Pdh Tj = Tbiv	11.0 kW	11.1 kW
	II.O KVV	11.1 KW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.54	2.23
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.05 kW	2.04 kW
Annual energy consumption Qhe	2431 kWh	3818 kWh

## Average Climate

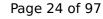
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature





	<del>,</del>	NK database on 23 Juli 202.
$\eta_{s}$	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7^{\circ}$ 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
$COPTj = +2^{\circ}C$	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	4.6 kW	4.4 kW
$COPTj = +7^{\circ}C$	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
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
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
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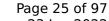
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 kWh

## Domestic Hot Water (DHW)

#### Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
СОР	3.00
Heating up time	1:10 h:min
Standby power input	37.6 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

## Average Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	2.63	
Heating up time	1:11 h:min	
Standby power input	43.2 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0 l	

## Model: ERLA14DW1 / EBVH16SU23D6V

Configure model		
Model name	ERLA14DW1 / EBVH16SU23D6V	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

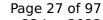
General Data		
Power supply 3x400V 50Hz		

## Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
СОР	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

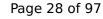
## Cooling





EN 14511-2	
	+7°C/+12°C
El input	4.34 kW
Cooling capacity	12.92
EER	2.98

#### EN 14825





	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
PTO	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1314 kWh

## Warmer Climate



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	239 %	166 %
Prated	11 kW	12.1 kW
SCOP	6.04	4.23
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0



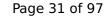


11.0 kW	11.1 kW
3.51	2.65
10.95 kW	10.06 kW
3.55	2.24
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
o w	0 W
Electricity	Electricity
0.05 kW	2.04 kW
2431 kWh	3818 kWh
	3.51  10.95 kW  3.55  35 °C  23 W  23 W  0 W  Electricity  0.05 kW

## **Average Climate**

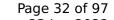
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature





ins mornation was gener	acea by the in item	int database on 25 jun 202
$\eta_{S}$	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
$COP Tj = +7^{\circ}C$	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
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





This information was generated by the HP KEYMARK database on 23 Jun 2022 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 1.9 kW 4.0 kW

4935 kWh

7047 kWh

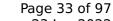
#### Domestic Hot Water (DHW)

Annual energy consumption Qhe

#### Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
СОР	3.00
Heating up time	1:10 h:min
Standby power input	37.6 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0

## Average Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
СОР	2.63
Heating up time	1:11 h:min
Standby power input	43.2 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0



## Model: ERLA14DV3 / EBVX16S23D(6V/9W)

Configure model		
Model name	ERLA14DV3 / EBVX16S23D(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
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	12.00 kW	11.87 kW		
El input	2.46 kW	4.11 kW		
СОР	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	

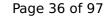
## Cooling





EN 14511-2		
	+7°C/+12°C	
El input	4.34 kW	
Cooling capacity	12.92	
EER	2.98	

#### EN 14825





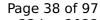
	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1314 kWh

## Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	249 %	171 %
Prated	11 kW	12.1 kW
SCOP	6.31	4.35
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0
	1	-1



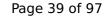


11.0 kW	11.1 kW
3.51	2.65
10.95 kW	10.06 kW
3.56	2.25
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	0 W
Electricity	Electricity
0.05 kW	2.04 kW
2330 kWh	3717 kWh
	3.51  10.95 kW  3.56  35 °C  23 W  23 W  0 W  Electricity  0.05 kW

### Average Climate

# EN 12102-1 Low temperature Medium temperature Sound power level indoor 44.0 dB(A) 44.0 dB(A) Sound power level outdoor 62.0 dB(A) 62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature





		NK database on 25 jun 202.
$\eta_s$	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7^{\circ}$ 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
$COP Tj = +7^{\circ}C$	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
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
	·	





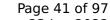
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 kWh

# Domestic Hot Water (DHW)

#### Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	124 %	
СОР	3.00	
Heating up time	1:10 h:min	
Standby power input	37.6 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0	

# Average Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	2.63	
Heating up time	1:11 h:min	
Standby power input	43.2 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0 l	



# Model: ERLA14DW1 / EBVX16S23D(6V/9W)

Configure model		
Model name	ERLA14DW1 / EBVX16S23D(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	3x400V 50Hz	

# Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	12.00 kW	11.87 kW	
El input	2.46 kW	4.11 kW	
СОР	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

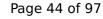
# Cooling





EN 14511-2			
+7°C/+12°C			
El input	4.34 kW		
Cooling capacity	12.92		
EER	2.98		

#### EN 14825





	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1314 kWh

#### Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	249 %	171 %
Prated	11 kW	12.1 kW
SCOP	6.31	4.35
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0





Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.57	2.26
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.05 kW	2.04 kW
Annual energy consumption Qhe	2330 kWh	3717 kWh

### Average Climate

# EN 12102-1 Low temperature Medium temperature Sound power level indoor 44.0 dB(A) 44.0 dB(A) Sound power level outdoor 62.0 dB(A) 62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature





This information was gener	ated by the HERELINA	TICK database on 25 juli 202.
$\eta_{s}$	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
$COP Tj = -7^{\circ}C$	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 = $+7^{\circ}$ C	4.6 kW	4.4 kW
$COPTj = +7^{\circ}C$	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
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





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 1.9 kW 4.0 kW

4851 kWh

6962 kWh

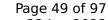
#### Domestic Hot Water (DHW)

Annual energy consumption Qhe

#### Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	124 %	
СОР	3.00	
Heating up time	1:10 h:min	
Standby power input	37.6 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0	

# Average Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	2.63	
Heating up time	1:11 h:min	
Standby power input	43.2 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0	



# Model: ERLA14DV3 / EBVZ16S23D(6V/9W)

Configure model		
Model name	ERLA14DV3 / EBVZ16S23D(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

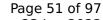
General Data		
Power supply 1x230V 50Hz		

# Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	12.00 kW	11.87 kW	
El input	2.46 kW	4.11 kW	
СОР	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

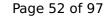
# Cooling





EN 14511-2	
	+7°C/+12°C
El input	4.34 kW
Cooling capacity	12.92
EER	2.98

#### EN 14825





	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1314 kWh

#### Warmer Climate



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	239 %	166 %
Prated	11 kW	12.1 kW
SCOP	6.04	4.23
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0



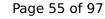


Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.58	2.27
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.05 kW	2.04 kW
Annual energy consumption Qhe	2431 kWh	3818 kWh

#### **Average Climate**

# Low temperature Medium temperature Sound power level indoor 44.0 dB(A) 44.0 dB(A) Sound power level outdoor 62.0 dB(A) 62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature





	· · · · · · · · · · · · · · · · · · ·	NK database on 23 juli 202.
$\eta_s$	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7^{\circ}$ C	9.8 kW	8.5 kW
$COP Tj = -7^{\circ}C$	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = $+2$ °C	6.1 kW	6.2 kW
$COPTj = +2^{\circ}C$	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	4.6 kW	4.4 kW
$COPTj = +7^{\circ}C$	6.70	4.88
Cdh Tj = $+7$ °C	1.0	1.0
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
	+	





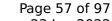
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 kWh

# Domestic Hot Water (DHW)

#### Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
СОР	3.00
Heating up time	1:10 h:min
Standby power input	37.6 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0

# Average Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
СОР	2.63
Heating up time	1:11 h:min
Standby power input	43.2 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0



# Model: ERLA14DW1 / EBVZ16S23D(6V/9W)

Configure model		
Model name	ERLA14DW1 / EBVZ16S23D(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

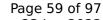
General Data		
Power supply	3x400V 50Hz	

# Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	12.00 kW	11.87 kW	
El input	2.46 kW	4.11 kW	
СОР	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	12.92
EER	2.98

#### EN 14825





	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1314 kWh

#### Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	239 %	166 %
Prated	11 kW	12.1 kW
SCOP	6.04	4.23
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
$COPTj = +7^{\circ}C$	5.77	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0
	·	



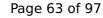


T .	
11.0 kW	11.1 kW
3.51	2.65
10.95 kW	10.06 kW
3.59	2.28
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
o w	0 W
Electricity	Electricity
0.05 kW	2.04 kW
2431 kWh	3818 kWh
	3.51  10.95 kW  3.59  35 °C  23 W  23 W  0 W  Electricity  0.05 kW

# Average Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	44.0 dB(A)	44.0 dB(A)	
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)	

EN 14825		
	Low temperature	Medium temperature





This information was gener	ated by the HE KETMA	The database on 23 Juli 202
$\eta_{s}$	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
$COP Tj = -7^{\circ}C$	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = $+2$ °C	6.1 kW	6.2 kW
$COPTj = +2^{\circ}C$	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	4.6 kW	4.4 kW
$COP Tj = +7^{\circ}C$	6.70	4.88
Cdh Tj = $+7$ °C	1.0	1.0
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
	1	





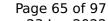
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 kWh

# Domestic Hot Water (DHW)

#### Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	124 %	
СОР	3.00	
Heating up time	1:10 h:min	
Standby power input	37.6 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0	

# Average Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	2.63	
Heating up time	1:11 h:min	
Standby power input	43.2 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0	



# Model: ERLA14DV3 / EBVH16S23D(6V/9W) + cooling kit

Configure model		
Model name	ERLA14DV3 / EBVH16S23D(6V/9W) + cooling kit	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
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	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
СОР	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	12.92	
EER	2.98	

#### EN 14825





	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1314 kWh

#### Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	249 %	171 %
Prated	11 kW	12.1 kW
SCOP	6.31	4.35
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0



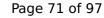


Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.60	2.29
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.05 kW	2.04 kW
Annual energy consumption Qhe	2330 kWh	3717 kWh

# Average Climate

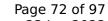
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825				
	Low temperature	Medium temperature		





rins information was gener	acea by the in Reinn	intit database on 25 jan 202
$\eta_s$	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
$COP Tj = +7^{\circ}C$	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
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





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

DL 35 °C 55 °C

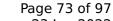
WIOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 kWh

#### Domestic Hot Water (DHW)

#### Warmer Climate

EN 16147			
Declared load profile	XL		
Efficiency ηDHW	124 %		
СОР	3.00		
Heating up time	1:10 h:min		
Standby power input	37.6 W		
Reference hot water temperature	51.5 °C		
Mixed water at 40°C	295.0		

# **Average Climate**





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	2.63	
Heating up time	1:11 h:min	
Standby power input	43.2 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0 l	

# Model: ERLA14DW1 / EBVH16S23D(6V/9W) + cooling kit

Configure model			
Model name ERLA14DW1 / EBVH16S23D(6V/9W) + cooling kit			
Application	Heating + DHW + low temp		
Units	Indoor + Outdoor		
Climate Zone	ate Zone Warmer Climate		
Reversibility	Yes		
Cooling mode application (optional)	+7°C/12°C		

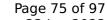
General Data		
Power supply	3x400V 50Hz	

# Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
СОР	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

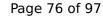
# Cooling





EN 14511-2			
+7°C/+12°C			
El input	4.34 kW		
Cooling capacity	12.92		
EER	2.98		

# EN 14825





	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1314 kWh

### Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

Low temperature 249 %	Medium temperature
249 %	171 %
11 kW	12.1 kW
6.31	4.35
2 °C	4 °C
2 °C	2 °C
11.0 kW	10.1 kW
3.51	2.20
1.0	1.0
7.4 kW	7.6 kW
5.77	3.83
1.0	1.0
5.2 kW	5.0 kW
7.73	5.69
1.0	1.0
	7.4 kW 5.77 1.0 5.2 kW



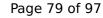


Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.61	2.30
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.05 kW	2.04 kW
Annual energy consumption Qhe	2330 kWh	3717 kWh

# Average Climate

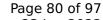
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825			
	Low temperature	Medium temperature	





		NK database on 25 jun 202.
$\eta_s$	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7^{\circ}$ 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 = $+7^{\circ}$ C	4.6 kW	4.4 kW
$COPTj = +7^{\circ}C$	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
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
	·	





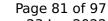
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 kWh

## Domestic Hot Water (DHW)

### Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	124 %	
СОР	3.00	
Heating up time	1:10 h:min	
Standby power input	37.6 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0	

# Average Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
СОР	2.63
Heating up time	1:11 h:min
Standby power input	43.2 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l



# Model: ERLA14DV3 / EBVZ16S23D(6V/9W) + cooling kit

Configure model		
Model name ERLA14DV3 / EBVZ16S23D(6V/9W) + cooling kit		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

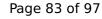
General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
СОР	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

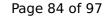
# Cooling





EN 14511-2	
	+7°C/+12°C
El input	4.34 kW
Cooling capacity	12.92
EER	2.98

### EN 14825





	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1314 kWh

## Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	249 %	171 %
Prated	11 kW	12.1 kW
SCOP	6.31	4.35
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0



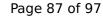


Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.62	2.31
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.05 kW	2.04 kW
Annual energy consumption Qhe	2330 kWh	3717 kWh

# **Average Climate**

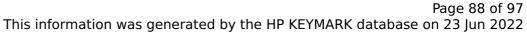
# EN 12102-1 Low temperature Medium temperature Sound power level indoor 44.0 dB(A) 44.0 dB(A) Sound power level outdoor 62.0 dB(A) 62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature





This information was gener	dea by the HETMA	NK database on 23 Juli 202.
$\eta_{s}$	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
$COP Tj = -7^{\circ}C$	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 = $+7^{\circ}$ C	4.6 kW	4.4 kW
$COPTj = +7^{\circ}C$	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
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
	<u> </u>	





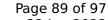
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 kWh

# Domestic Hot Water (DHW)

### Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	124 %	
СОР	3.00	
Heating up time	1:10 h:min	
Standby power input	37.6 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0	

# Average Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	2.63	
Heating up time	1:11 h:min	
Standby power input	43.2 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0	



# Model: ERLA14DW1 / EBVZ16S23D(6V/9W) + cooling kit

Configure model		
Model name	ERLA14DW1 / EBVZ16S23D(6V/9W) + cooling kit	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

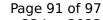
	General Data	
Power supply	3x400V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
СОР	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	12.92
EER	2.98

### EN 14825





	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1314 kWh

## Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	249 %	171 %
Prated	11 kW	12.1 kW
SCOP	6.31	4.35
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0





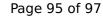
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.32
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.05 kW	2.04 kW
Annual energy consumption Qhe	2330 kWh	3717 kWh

# Average Climate

# EN 12102-1 Low temperature Medium temperature

Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature





		NK database on 25 jun 202.
$\eta_s$	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7^{\circ}$ 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
$COP Tj = +7^{\circ}C$	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
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
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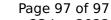
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 kWh

# Domestic Hot Water (DHW)

### Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	124 %	
СОР	3.00	
Heating up time	1:10 h:min	
Standby power input	37.6 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0	

# Average Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	2.63	
Heating up time	1:11 h:min	
Standby power input	43.2 W	
Reference hot water temperature	51.5 °C	
Mixed water at 40°C	295.0	