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

Summary of	DAIKIN ALTHERMA 3 R F 14KW (230L)	Reg. No.	011-1W0496	
Certificate Holder				
Name	DAIKIN Europe N.V.	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	

# **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	
181 %	126 %	
11 kW	11 kW	
4.60	3.22	
-7 °C	-5 °C	
-10 °C	-10 °C	
9.8 kW	8.5 kW	
	Low temperature  181 %  11 kW  4.60  -7 °C  -10 °C	





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
$COP Tj = +7^{\circ}C$	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
РСК	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

### 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 = $+7^{\circ}$ 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
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
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	2431 kWh	3818 kWh

# Cooling

#### 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



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

# 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	

# Domestic Hot Water (DHW)

# 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	

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 I	

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

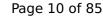
Configure model		
Model name	ERLA14DW1 / EBVH16S23D(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	No	
Cooling mode application (optional) n/a		

General Data		
Power supply	3x400V 50Hz	

# **Average Climate**

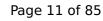
EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	44.0 dB(A)	44.0 dB(A)	
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)	

EN 14825		
Low temperature	Medium temperature	
181 %	126 %	
11 kW	11 kW	
4.60	3.22	
-7 °C	-5 °C	
-10 °C	-10 °C	
9.8 kW	8.5 kW	
	Low temperature  181 %  11 kW  4.60  -7 °C  -10 °C	





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
$COP Tj = +7^{\circ}C$	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
РСК	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity



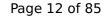


This information was generat	ted by the HP KEYMAP	KK database on 18 Mar 2022

Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 kWh

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
	·	·

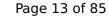




Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.53	2.22
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	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	2431 kWh	3818 kWh

# Cooling

#### EN 14825





This information was generated by the HP K	+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
РСК	0 W
Annual energy consumption Qce	1314 kWh



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

# 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

# Domestic Hot Water (DHW)

# 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

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 I



# Model: ERLA14DV3 / EBVH16SU23D6V

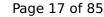
Configure model		
Model name	ERLA14DV3 / EBVH16SU23D6V	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

	General Data	
Power supply	1x230V 50Hz	

# **Average Climate**

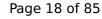
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

-	Medium temperature
31 %	126 %
. kW	11 kW
60	3.22
°C	-5 °C
0 °C	-10 °C
8 kW	8.5 kW
0	°C





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
$COP Tj = +7^{\circ}C$	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
РСК	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity



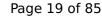


This information was generat	ed by the HP KEYMAR	RK database on 18 Mar 20	)22

Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 kWh

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 = $+7^{\circ}$ 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
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	3.54	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	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

# Cooling

#### EN 14825





This information was generated by the Fir KE	+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
РСК	o w
Annual energy consumption Qce	1314 kWh



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

# 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

# Domestic Hot Water (DHW)

# 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

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 I

# Model: ERLA14DW1 / EBVH16SU23D6V

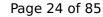
Configure model		
Model name	ERLA14DW1 / EBVH16SU23D6V	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

# **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)

-	Medium temperature
31 %	126 %
. kW	11 kW
60	3.22
°C	-5 °C
0 °C	-10 °C
8 kW	8.5 kW
0	°C





		N database on 10 Mai 202.
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	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	4935 kWh	7047 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	3.55	2.24
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	2431 kWh	3818 kWh

# Cooling

#### EN 14825





This information was generated by the HP KEYMARK database on 18 Mar 20		
	+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	



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

# 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	

# Domestic Hot Water (DHW)

# 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 I	

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	



# 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		

# **Average Climate**

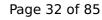
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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 = $+7$ °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
РСК	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity



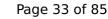


Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 kWh

### 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
$COPTj = +7^{\circ}C$	5.77	3.83
	·	

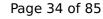




Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.56	2.25
WTOL	35 °C	55 °C
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	2330 kWh	3717 kWh

# Cooling

#### EN 14825





This information was generated by the HP KE	+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
РСК	o w
Annual energy consumption Qce	1314 kWh



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

# 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	

# Domestic Hot Water (DHW)

# 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	

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	

# 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		

## **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	
184 %	128 %	
11 kW	11 kW	
4.68	3.26	
-7 °C	-5 °C	
-10 °C	-10 °C	
9.8 kW	8.5 kW	
	Low temperature  184 %  11 kW  4.68  -7 °C  -10 °C	





This information was genera		
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
$COPTj = +7^{\circ}C$	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	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

### 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
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

# Cooling

### EN 14825





This information was generated by the Fir KE	+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
РСК	o w
Annual energy consumption Qce	1314 kWh



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

## 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

# Domestic Hot Water (DHW)

## 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	

### 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	



# 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	

## **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	
181 %	126 %	
11 kW	11 kW	
4.60	3.22	
-7 °C	-5 °C	
-10 °C	-10 °C	
9.8 kW	8.5 kW	
	Low temperature  181 %  11 kW  4.60  -7 °C  -10 °C	





COP Tj = -7°C	2.99	1.80
COP 1) = -7 C	2.99	1.60
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
$COPTj = +7^{\circ}C$	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	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
	+	





This information was generat	ed by the HP KEYMAF	RK database on 18 Mar 2022	

Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 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 = $+7^{\circ}$ 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
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	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	2431 kWh	3818 kWh

# Cooling

### EN 14825





This information was generated by the Till KE	+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	0 W
Annual energy consumption Qce	1314 kWh



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

## 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	

# Domestic Hot Water (DHW)

## 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	

### 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	



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

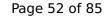
Configure model		
Model name ERLA14DW1 / EBVZ16S23D(6V/9W)		
Application Heating + DHW + low temp		
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

## **Average Climate**

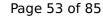
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	44.0 dB(A)	44.0 dB(A)	
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)	

EN 14825		
Low temperature	Medium temperature	
181 %	126 %	
11 kW	11 kW	
4.60	3.22	
-7 °C	-5 °C	
-10 °C	-10 °C	
9.8 kW	8.5 kW	
	Low temperature  181 %  11 kW  4.60  -7 °C  -10 °C	





This information was genera		1
$COP Tj = -7^{\circ}C$	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
$COP Tj = +7^{\circ}C$	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	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity



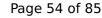


Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 kWh

### 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 = $+7^{\circ}$ C	7.4 kW	7.6 kW
$COPTj = +7^{\circ}C$	5.77	3.83

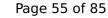




Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.59	2.28
WTOL	35 °C	55 °C
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	2431 kWh	3818 kWh

# Cooling

### 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



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

## 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

## Domestic Hot Water (DHW)

## 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 I

### 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 I	



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

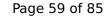
Configure model		
Model name	ERLA14DV3 / EBVH16S23D(6V/9W) + cooling kit	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data	
Power supply	1x230V 50Hz

## 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
$\eta_{s}$	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C





	<b>,</b> -	
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
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
		1



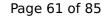


Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 kWh

### 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

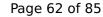




$COP Tj = +7^{\circ}C$	5.77	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.60	2.29
WTOL	35 °C	55 °C
Poff	23 W	23 W
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

# Cooling

### EN 14825





This information was generated by the HP K	+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
РСК	0 W
Annual energy consumption Qce	1314 kWh



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

## 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

## Domestic Hot Water (DHW)

## 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

### 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	



# 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	mate Zone Warmer Climate	
Reversibility Yes		
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	3x400V 50Hz	

## 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		
Medium temperature		
128 %		
11 kW		
3.26		
-5 °C		
-10 °C		
) °C		





The management of garage	- · · <b>,</b>	in database on 10 Mai 202
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 = $+7^{\circ}$ 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
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
РСК	0 W	o w
		I





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

### 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





$COP Tj = +7^{\circ}C$	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
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
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

# Cooling

### 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



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

## 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	

## Domestic Hot Water (DHW)

## 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	

### 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	



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

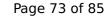
Configure model	
Model name	ERLA14DV3 / EBVZ16S23D(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data		
Power supply	1x230V 50Hz	

### **Average Climate**

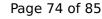
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
Low temperature		
184 %	128 %	
11 kW	11 kW	
4.68	3.26	
-7 °C	-5 °C	
-10 °C	-10 °C	
	184 %  11 kW  4.68  -7 °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
$COP Tj = +7^{\circ}C$	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
РСК	0 W	0 W
	<u> </u>	1





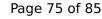
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 kWh

#### 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

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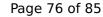




	<u> </u>	
$COP Tj = +7^{\circ}C$	5.77	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if 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

# Cooling

#### EN 14825





This information was generated by the Till KE	+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	0 W
Annual energy consumption Qce	1314 kWh



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

# 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

# Domestic Hot Water (DHW)

# 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

## 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

# 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		

## **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)

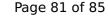
EN 14825		
Medium temperature		
128 %		
11 kW		
3.26		
-5 °C		
-10 °C		
) °C		

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	•	
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
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
РСК	o w	o w
	1	1





This information was generated by the HP KEYMARK database on 18 Mar 2022			2
upplementary Heater: Type of energy input	Electricity	Electricity	

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

#### 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
$COP Tj = +2^{\circ}C$	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	7.4 kW	7.6 kW

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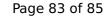




general		
$COP Tj = +7^{\circ}C$	5.77	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if 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

# Cooling

#### 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



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

## 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	

# Domestic Hot Water (DHW)

# 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 I	

## 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	