

Page 1 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

<u>Login</u>				
Summary of	DAIKIN ALTHERMA 3 R F+W 14KW (180L)	Reg. No.	011-1W0499	
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+W 14KW (180L)			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass of Refrigerant	gerant 3.8 kg			
Certification Date	ion Date 10.11.2021			
Testing basis HP KEYMARK certification scheme rules rev. 8				

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 2 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

Model: ERLA14DV3 / EBBH16D(6V/9W)

Configure model		
Model name	ERLA14DV3 / EBBH16D(6V/9W)	
Application	Heating (medium 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 Me		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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 4 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

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	0 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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 6 of 123

This information was generated by the HP KEYMARK data	221 2022
\mathbf{H}	$\gamma_{2} c_{0} \alpha_{0} \gamma_{3} \eta_{1} \eta_{1} \eta_{1} \gamma_{1} \gamma_{1$
- THIS III VITHALIVIT WAS UCHCIALED BY THE HE NETMAIN UATA	Jase on 25 jun 2022
	····

11.0 kW	11.1 kW
3.51	2.65
10.95 kW	10.06 kW
3.51	2.20
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
2431 kWh	3818 kWh
	3.51 10.95 kW 3.51 3.51 35 °C 23 W 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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 7 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

This information was generated by the HP KEYMARK database on 23 Jun 202				
η _s	181 %	126 %		
Prated	11 kW	11 kW		
SCOP	4.60	3.22		
Tbiv	-7 °C	-5 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7°C	9.8 kW	8.5 kW		
COP Tj = -7°C	2.99	1.80		
Cdh Tj = -7 °C	n/a	1.0		
Pdh Tj = +2°C	6.1 kW	6.2 kW		
COP Tj = +2°C	4.35	3.28		
Cdh Tj = +2 °C	1.0	1.0		
Pdh Tj = +7°C	4.6 kW	4.4 kW		
COP Tj = +7°C	6.70	4.88		
Cdh Tj = +7 °C	1.0	1.0		
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		
	-!	·		

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 8 of 123

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

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
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



Page 9 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

Model: ERLA14DV3 / EBBX16D(6V/9W)

Configure model		
Model name	ERLA14DV3 / EBBX16D(6V/9W)	
Application	Heating (medium 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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 11 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

	+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

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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 13 of 123

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

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	3.51	2.20
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
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	
	,		

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 14 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

		RK database on 23 Jun 202
η _s	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = $+2^{\circ}C$	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°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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 15 of 123

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

35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	0 W
Electricity	Electricity
1.9 kW	4.0 kW
4851 kWh	6962 kWh
-	23 W 23 W 23 W 23 W 0 W Electricity 1.9 kW



Page 16 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

Model: ERLA14DV3 / EBVH16S18D(6V/9W)

Configure model		
Model name ERLA14DV3 / EBVH16S18D(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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 18 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

I his information was generated by the HP KEYMARK database on 23 Jun 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	
РТО	23 W	
PSB	23 W	
РСК	0 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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 20 of 123

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	3.51	2.20
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
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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 21 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

This information was generated by the HP KEYMARK database on 23 Jun 2022			
η _s	181 %	126 %	
Prated	11 kW	11 kW	
SCOP	4.60	3.22	
Tbiv	-7 °C	-5 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	9.8 kW	8.5 kW	
COP Tj = -7°C	2.99	1.80	
Cdh Tj = -7 °C	n/a	1.0	
Pdh Tj = $+2^{\circ}C$	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°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	
	+		

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 22 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

This mornation was generated by the minited matching at 25 jun 25		
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
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	L	
Efficiency ηDHW	139 %	
СОР	3.26	
Heating up time	1:16 h:min	
Standby power input	38.4 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	244.0	

Average Climate



Page 23 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 16147		
Declared load profile	L	
Efficiency ηDHW	116 %	
СОР	2.73	
Heating up time	1:21 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	244.0	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 24 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

Model: ERLA14DV3 / EBVX16S18D(6V/9W)

Configure model		
Model name	ERLA14DV3 / EBVX16S18D(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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 26 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

+7°C/+12°C	
	T/ C/TI2 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

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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 28 of 123

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

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	3.51	2.20
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
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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 29 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

	ateu by the HF KLIMA	RK database on 23 Jun 202
η _s	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
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
	-!	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 30 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

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
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	L
Efficiency ηDHW	139 %
СОР	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0

Average Climate



Page 31 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 16147	
Declared load profile	L
Efficiency ηDHW	116 %
СОР	2.73
Heating up time	1:21 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 I



Page 32 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

Model: ERLA14DV3 / EBVZ16S18D(6V/9W)

Configure model		
Model name ERLA14DV3 / EBVZ16S18D(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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 34 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

I his information was generated by the HP KEYMARK database on 23 jur		
	+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	

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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 36 of 123

This information was ge	enerated by the HP KEYMARK	database on 23 Jun 2022
-------------------------	----------------------------	-------------------------

	,	
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	3.51	2.20
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
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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 37 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

This mormation was generated by the HP KETMARK database on 23 jun 2022			
η _s	181 %	126 %	
Prated	11 kW	11 kW	
SCOP	4.60	3.22	
Tbiv	-7 °C	-5 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	9.8 kW	8.5 kW	
COP Tj = -7°C	2.99	1.80	
Cdh Tj = -7 °C	n/a	1.0	
Pdh Tj = $+2^{\circ}C$	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°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	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 38 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

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
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	L	
Efficiency ηDHW	139 %	
СОР	3.26	
Heating up time	1:16 h:min	
Standby power input	38.4 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	244.0 l	

Average Climate



Page 39 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 16147		
Declared load profile	L	
Efficiency ηDHW	116 %	
СОР	2.73	
Heating up time	1:21 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	244.0 l	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 40 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

Model: ERLA14DW1 / EBBH16D(6V/9W)

Configure model		
Model name	ERLA14DW1 / EBBH16D(6V/9W)	
Application	Heating (medium 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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 42 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

This information was generated by the HP KEYMARK database on 23 Jun 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	
РТО	23 W	
PSB	23 W	
РСК	0 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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 44 of 123

	<u>, , , , , , , , , , , , , , , , , , , </u>	<u>,</u>
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	3.51	2.20
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
РСК	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
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
	*	•

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 45 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

		IRK database on 23 Jun 202
η _s	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
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
	-!	-

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 46 of 123

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

		-
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
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



Page 47 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

Model: ERLA14DW1 / EBBX16D(6V/9W)

Configure model		
Model name	ERLA14DW1 / EBBX16D(6V/9W)	
Application	Heating (medium 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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 49 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

	+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

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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 51 of 123

	11.0 kW	11.1 kW
Pdh Tj = Tbiv	11.0 KW	II.I KVV
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	3.51	2.20
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
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
	1	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 52 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

This information was generated by the HP KETMARK database on 25 juli 2022				
η _s	184 %	128 %		
Prated	11 kW	11 kW		
SCOP	4.68	3.26		
Tbiv	-7 °C	-5 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7°C	9.8 kW	8.5 kW		
COP Tj = -7°C	2.99	1.80		
Cdh Tj = -7 °C	n/a	1.0		
Pdh Tj = $+2^{\circ}C$	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°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		
	-!	·		

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 53 of 123

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

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
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



Page 54 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

Model: ERLA14DW1 / EBVH16S18D(6V/9W)

Configure model		
Model name	ERLA14DW1 / EBVH16S18D(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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 56 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

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

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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 58 of 123

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

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	3.51	2.20
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
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
	1	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 59 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

	aled by the HP KETMA	RK database on 23 Jun 202
η _s	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
$COP Tj = +7^{\circ}C$	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	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 60 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

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
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	L
Efficiency ηDHW	139 %
СОР	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0

Average Climate



Page 61 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 16147	
Declared load profile	L
Efficiency ηDHW	116 %
СОР	2.73
Heating up time	1:21 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 62 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

Model: ERLA14DW1 / EBVX16S18D(6V/9W)

Configure model			
Model name ERLA14DW1 / EBVX16S18D(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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 64 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

	+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

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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 66 of 123

This information was ge	nerated by the HP KEYMARK	database on 23 lun 2022
This mornation was ge	herated by the HE KETMARK	ualabase on 25 jun 2022

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	3.51	2.20
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
РСК	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
Supplementary Heater: PSUP	0.05 kW	2.04 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	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 67 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 68 of 123

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

	-	-
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
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	L	
Efficiency ηDHW	139 %	
СОР	3.26	
Heating up time	1:16 h:min	
Standby power input	38.4 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	244.0 I	

Average Climate



Page 69 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 16147	
Declared load profile	L
Efficiency ηDHW	116 %
СОР	2.73
Heating up time	1:21 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 70 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

Model: ERLA14DW1 / EBVZ16S18D(6V/9W)

Configure model		
Model name	ERLA14DW1 / EBVZ16S18D(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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 72 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

This information was generated by the HP KEYMARK database on 23 Jun 2	
	+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

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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 74 of 123

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

,	
11.0 kW	11.1 kW
3.51	2.65
10.95 kW	10.06 kW
3.51	2.20
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
2431 kWh	3818 kWh
	11.0 kW 3.51 10.95 kW 3.51 35 °C 23 W 23 W 23 W 23 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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 75 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

This information was gener	aled by the HP KETMA	ARK database on 23 Jun 202
η _s	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 76 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

This monitation was genera		
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
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	L
Efficiency ηDHW	139 %
СОР	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 l

Average Climate



Page 77 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 16147	
Declared load profile	L
Efficiency ηDHW	116 %
СОР	2.73
Heating up time	1:21 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 l



Model: ERLA14DV3 / EBBH16D(6V/9W) + cooling kit

Configure model		
Model name ERLA14DV3 / EBBH16D(6V/9W) + cooling kit		
Application	Heating (medium 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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 80 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

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	0 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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 82 of 123

	,	
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	3.51	2.20
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
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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 83 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

I his information was gener	aled by the HP KETMA	ARK database on 23 Jun 202
η _s	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
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
	I	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 84 of 123

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

•	-
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	0 W
Electricity	Electricity
1.9 kW	4.0 kW
4851 kWh	6962 kWh
	23 W 23 W 23 W 23 W 0 W Electricity 1.9 kW



Model: ERLA14DV3 / EBVH16S18D(6V/9W) + cooling kit

Configure model		
Model name	ERLA14DV3 / EBVH16S18D(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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 87 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

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	0 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	
η _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	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 89 of 123

_

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
	*	•

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 90 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

This information was generated by the HP KETMARK database on 23 jun 202			
η _s	184 %	128 %	
Prated	11 kW	11 kW	
SCOP	4.68	3.26	
Tbiv	-7 °C	-5 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	9.8 kW	8.5 kW	
COP Tj = -7°C	2.99	1.80	
Cdh Tj = -7 °C	n/a	1.0	
Pdh Tj = $+2^{\circ}C$	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°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	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 91 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

This mornation was genera		
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
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	L	
Efficiency ηDHW	139 %	
СОР	3.26	
Heating up time	1:16 h:min	
Standby power input	38.4 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	244.0 I	

Average Climate



Page 92 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 16147		
Declared load profile	L	
Efficiency ηDHW	116 %	
СОР	2.73	
Heating up time	1:21 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	244.0	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Model: ERLA14DW1 / EBBH16D(6V/9W) + cooling kit

Configure model		
Model name	ERLA14DW1 / EBBH16D(6V/9W) + cooling kit	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

Genera	al 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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 95 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

+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	I his information was generated by the HP KEYMARK database on 23 Jun 20		
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	+7°C/+12°C		
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	12.90 kW	Pdesignc	
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	5.86	SEER	
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 PSB 23 W	12.90 kW	Pdc Tj = 35°C	
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	2.96	EER Tj = 35°C	
Cdc 0.990 Pdc Tj = 25°C 6.20 kW EER Tj = 25°C 7.00 Cdc 0.970 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	8.80 kW	Pdc Tj = 30°C	
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	4.77	EER Tj = 30°C	
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	0.990	Cdc	
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	6.20 kW	Pdc Tj = 25°C	
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	7.00	EER Tj = 25°C	
EER Tj = 20°C 8.88 Cdc 0.960 Poff 23 W PTO 23 W PSB 23 W	0.970	Cdc	
Cdc0.960Poff23 WPTO23 WPSB23 W	5.90 kW	Pdc Tj = 20°C	
Poff 23 W PTO 23 W PSB 23 W	8.88	EER Tj = 20°C	
PTO 23 W 23 W 23 W	0.960	Cdc	
PSB 23 W	23 W	Poff	
	23 W	РТО	
РСК 0 W	23 W	PSB	
	0 W	РСК	
Annual energy consumption Qce 1314 kWh	n Qce 1314 kWh	Annual energy consumption Qce	

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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 97 of 123

This information was generated by the HP KEYMARK database	$\alpha \alpha \beta \beta \beta \beta \beta \alpha \beta \beta$

_

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
	*	•

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 98 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

This information was gene		ARK database on 23 Jun 202
η _s	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = $+2^{\circ}C$	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
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	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 99 of 123

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

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
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



Model: ERLA14DW1 / EBVH16S18D(6V/9W) + cooling kit

Configure model		
Model name	ERLA14DW1 / EBVH16S18D(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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 102 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

I his information was generated by the HP KEYMARK database on 23 Jun 2		
	+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	

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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 104 of 123

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

5		· · · · · · · · · · · · · · · · · · ·
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	3.51	2.20
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
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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 105 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

This information was generated by the HP KEYMARK database on 23 Jun 202		
η _s	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = $+2^{\circ}$ 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°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	<u> </u>

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 106 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

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
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	L
Efficiency ηDHW	139 %
СОР	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 l

Average Climate



Page 107 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 16147		
Declared load profile	L	
Efficiency ηDHW	116 %	
СОР	2.73	
Heating up time	1:21 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	244.0 I	



Model: ERLA14DV3 / EBVZ16S18D(6V/9W) + cooling kit

Configure model		
Model name	ERLA14DV3 / EBVZ16S18D(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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 110 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

+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	

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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 112 of 123

This information was	generated by the HP KEYMARI	(database on 22 lun 2022
		\mathbf{x} oatabase on \mathbf{z} \mathbf{x} in \mathbf{z}
	generated by the minimum	

	-	-
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	3.51	2.20
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
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
	*	•

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 113 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

This information was generated by the HP KEYMARK database on 23 Jun 202			
η _s	184 %	128 %	
Prated	11 kW	11 kW	
SCOP	4.68	3.26	
Tbiv	-7 °C	-5 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	9.8 kW	8.5 kW	
COP Tj = -7°C	2.99	1.80	
Cdh Tj = -7 °C	n/a	1.0	
Pdh Tj = +2°C	6.1 kW	6.2 kW	
COP Tj = +2°C	4.35	3.28	
Cdh Tj = +2 °C	1.0	1.0	
Pdh Tj = +7°C	4.6 kW	4.4 kW	
COP Tj = +7°C	6.70	4.88	
Cdh Tj = +7 °C	1.0	1.0	
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	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 114 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

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
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	L
Efficiency ηDHW	139 %
СОР	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 l

Average Climate



Page 115 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 16147	
Declared load profile	L
Efficiency ηDHW	116 %
СОР	2.73
Heating up time	1:21 h:min
Standby power input	42.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 I



Model: ERLA14DW1 / EBVZ16S18D(6V/9W) + cooling kit

Configure model		
Model name ERLA14DW1 / EBVZ16S18D(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		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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 118 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

I his information was generated by the HP KEYMARK database on 23 Ju	
	+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

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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 120 of 123

This information was gene	rated by the HP KEYMARk	database on 23 lun 2022
This information was gene	acea by the fit Reffinition	autubuse on 25 jun 2022

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	3.51	2.20
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
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
	+	•

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 121 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

I his information was genera		
η _s	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
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	

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 122 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

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
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	L	
Efficiency ηDHW	139 %	
СОР	3.26	
Heating up time	1:16 h:min	
Standby power input	38.4 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	244.0	

Average Climate



Page 123 of 123 This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 16147		
Declared load profile	L	
Efficiency ηDHW	116 %	
СОР	2.73	
Heating up time	1:21 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	244.0 l	