

Page 1 of 73

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

Login

Summary of	DAIKIN ALTHERMA 3 R ECH2O 11-16kW (300L)	Reg. No.	011-1W0493
Certificate Holder	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 ECH2O 11-16kW (300L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	3.8 kg		
Certification Date	23.11.2021		
Testing basis	basis HP KEYMARK certification scheme rules rev. 8		



Model: ERLA11DV3 / EBSH(B)11P30D

Configure model		
Model name	ERLA11DV3 / EBSH(B)11P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	10.56 kW	10.64 kW
El input	2.19 kW	3.62 kW
СОР	4.83	2.94

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

Cooling





EN 14511-2	
+7°C/+12°C	
El input	3.47 kW
Cooling capacity	11.2
EER	3.22

EN 14825





This information was generated by the Hill Re	+7°C/+12°C
Pdesignc	11.00 kW
SEER	5.92
Pdc Tj = 35°C	11.00 kW
EER Tj = 35°C	3.19
Pdc Tj = 30°C	8.10 kW
EER Tj = 30°C	4.94
Cdc	0.990
Pdc Tj = 25°C	5.70 kW
EER Tj = 25°C	7.18
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.47
Cdc	0.970
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1116 kWh





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	182 %	126 %
Prated	10 kW	10 kW
SCOP	4.63	3.23
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.2 kW	7.9 kW
COP Tj = -7°C	3.03	1.89
Cdh Tj = -7 °C	1.000	1.0
Pdh Tj = +2°C	5.5 kW	5.4 kW
COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.74	4.81
Cdh Tj = +7 °C	1.0	1.0

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





5.4 kW	5.3 kW
8.54	6.41
1.0	1.0
9.2 kW	8.2 kW
3.01	1.96
8.4 kW	6.8 kW
2.73	1.68
1.000	1.000
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	o w
Electricity	Electricity
1.6 kW	3.2 kW
4462 kWh	6397 kWh
	8.54 1.0 9.2 kW 3.01 8.4 kW 2.73 1.000 35 °C 23 W 23 W 23 W 0 W Electricity 1.6 kW

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.73	
Heating up time	1h 39min h:min	
Standby power input	40.6 W	
Reference hot water temperature	46.9 °C	
Mixed water at 40°C	196.0	



Model: ERLA11DV3 / EBSX(B)11P30D

Configure model		
Model name	ERLA11DV3 / EBSX(B)11P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data			
Power supply 1x230V 50Hz			

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	10.56 kW	10.64 kW
El input	2.19 kW	3.62 kW
СОР	4.83	2.94

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

Cooling





EN 14511-2		
+7°C/+12°C		
El input	3.47 kW	
Cooling capacity	11.2	
EER	3.22	

EN 14825





	+7°C/+12°C
Pdesignc	11.00 kW
SEER	5.92
Pdc Tj = 35°C	11.00 kW
EER Tj = 35°C	3.19
Pdc Tj = 30°C	8.10 kW
EER Tj = 30°C	4.94
Cdc	0.990
Pdc Tj = 25°C	5.70 kW
EER Tj = 25°C	7.18
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.47
Cdc	0.970
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1116 kWh

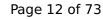




EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	186 %	128 %
Prated	10 kW	10 kW
SCOP	4.72	3.27
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.2 kW	7.9 kW
COP Tj = -7°C	3.03	1.89
Cdh Tj = -7 °C	1.000	1.0
Pdh Tj = +2°C	5.5 kW	5.4 kW
COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.74	4.81
Cdh Tj = +7 °C	1.0	1.0

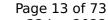
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





5.4 kW	5.3 kW
8.54	6.41
1.0	1.0
9.2 kW	8.2 kW
3.01	1.96
8.4 kW	6.8 kW
2.73	1.68
1.000	1.000
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	0 W
Electricity	Electricity
1.6 kW	3.2 kW
4378 kWh	6312 kWh
	8.54 1.0 9.2 kW 3.01 8.4 kW 2.73 1.000 35 °C 23 W 23 W 23 W 0 W Electricity 1.6 kW

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.73	
Heating up time	1h 39min h:min	
Standby power input	40.6 W	
Reference hot water temperature	46.9 °C	
Mixed water at 40°C	196.0	



Model: ERLA11DW1 / EBSH(B)11P30D

Configure model			
Model name	ERLA11DW1 / EBSH(B)11P30D		
Application	Heating + DHW + low temp		
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	No		
Cooling mode application (optional)	n/a		

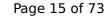
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	10.56 kW	10.64 kW
El input	2.19 kW	3.62 kW
СОР	4.83	2.94

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

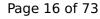
Cooling





EN 14511-2	
	+7°C/+12°C
El input	3.47 kW
Cooling capacity	11.2
EER	3.22

EN 14825





This information was generated by the Hill Re	+7°C/+12°C
Pdesignc	11.00 kW
SEER	5.92
Pdc Tj = 35°C	11.00 kW
EER Tj = 35°C	3.19
Pdc Tj = 30°C	8.10 kW
EER Tj = 30°C	4.94
Cdc	0.990
Pdc Tj = 25°C	5.70 kW
EER Tj = 25°C	7.18
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.47
Cdc	0.970
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1116 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	182 %	126 %
Prated	10 kW	10 kW
SCOP	4.63	3.23
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.2 kW	7.9 kW
COP Tj = -7°C	3.03	1.89
Cdh Tj = -7 °C	1.000	1.0
Pdh Tj = +2°C	5.5 kW	5.4 kW
COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.74	4.81
Cdh Tj = +7 °C	1.0	1.0

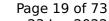
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





5.4 kW	5.3 kW
8.54	6.41
1.0	1.0
9.2 kW	8.2 kW
3.01	1.96
8.4 kW	6.8 kW
2.73	1.68
1.000	1.000
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	o w
Electricity	Electricity
1.6 kW	3.2 kW
4462 kWh	6397 kWh
	8.54 1.0 9.2 kW 3.01 8.4 kW 2.73 1.000 35 °C 23 W 23 W 23 W 0 W Electricity 1.6 kW

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	116 %	
СОР	2.75	
Heating up time	1h 39min h:min	
Standby power input	35.6 W	
Reference hot water temperature	46.9 °C	
Mixed water at 40°C	196.0	



Model: ERLA11DW1 / EBSX(B)11P30D

Configure model		
Model name	ERLA11DW1 / EBSX(B)11P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

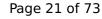
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	10.56 kW	10.64 kW
El input	2.19 kW	3.62 kW
СОР	4.83	2.94

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

Cooling





EN 14511-2	
	+7°C/+12°C
El input	3.47 kW
Cooling capacity	11.2
EER	3.22

EN 14825





	+7°C/+12°C
Pdesignc	11.00 kW
SEER	5.92
Pdc Tj = 35°C	11.00 kW
EER Tj = 35°C	3.19
Pdc Tj = 30°C	8.10 kW
EER Tj = 30°C	4.94
Cdc	0.990
Pdc Tj = 25°C	5.70 kW
EER Tj = 25°C	7.18
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.47
Cdc	0.970
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1116 kWh





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	186 %	128 %
Prated	10 kW	10 kW
SCOP	4.72	3.27
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.2 kW	7.9 kW
COP Tj = -7°C	3.03	1.89
Cdh Tj = -7 °C	1.000	1.0
Pdh Tj = +2°C	5.5 kW	5.4 kW
COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.74	4.81
Cdh Tj = +7 °C	1.0	1.0

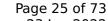
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.54	6.41
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.2 kW	8.2 kW
COP Tj = Tbiv	3.01	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.4 kW	6.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	1.6 kW	3.2 kW
Annual energy consumption Qhe	4378 kWh	6312 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	116 %	
СОР	2.75	
Heating up time	1h 39min h:min	
Standby power input	35.6 W	
Reference hot water temperature	46.9 °C	
Mixed water at 40°C	196.0	



Model: ERLA14DV3 / EBSH(B)16P30D

Configure model		
Model name ERLA14DV3 / EBSH(B)16P30D		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	12.0 kW	11.87 kW	
El input	2.46 kW	4.11 kW	
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

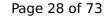
Cooling





EN 14511-2		
+7°C/+12°C		
El input	4.34 kW	
Cooling capacity	12.9	
EER	2.98	

EN 14825





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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	49.0 dB(A)	49.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

CEN heat pump KEYMARK

EN 14825		
	Low temperature	Medium temperature
η_{s}	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	1.000	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

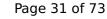
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.73	
Heating up time	1h 39min h:min	
Standby power input	40.6 W	
Reference hot water temperature	46.9 °C	
Mixed water at 40°C	196.0	



Model: ERLA14DV3 / EBSX(B)16P30D

Configure model		
Model name	ERLA14DV3 / EBSX(B)16P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

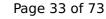
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.0 kW	11.87 kW
El input	2.46 kW	4.11 kW
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	12.9
EER	2.98

EN 14825





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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	49.0 dB(A)	49.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	1.000	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

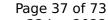
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





-	
5.4 kW	5.3 kW
8.65	6.58
1.0	1.0
9.8 kW	8.9 kW
2.99	1.87
9.1 kW	7.0 kW
2.71	1.76
1.000	1.000
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
	8.65 1.0 9.8 kW 2.99 9.1 kW 2.71 1.000 35 °C 23 W 23 W 0 W Electricity 1.9 kW

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.73	
Heating up time	1h 39min h:min	
Standby power input	40.6 W	
Reference hot water temperature	46.9 °C	
Mixed water at 40°C	196.0	

Model: ERLA14DW1 / EBSH(B)16P30D

Configure model		
Model name	ERLA14DW1 / EBSH(B)16P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

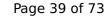
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	12.0 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	12.9
EER	2.98

EN 14825





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





	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	49.0 dB(A)	49.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	1.000	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

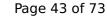
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	116 %	
СОР	2.75	
Heating up time	1h 39min h:min	
Standby power input	35.6 W	
Reference hot water temperature	46.9 °C	
Mixed water at 40°C	196.0	



Model: ERLA14DW1 / EBSX(B)16P30D

Configure model		
Model name	ERLA14DW1 / EBSX(B)16P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	12.0 kW	11.87 kW	
El input	2.46 kW	4.11 kW	
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	12.9	
EER	2.98	

EN 14825





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





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	49.0 dB(A)	49.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
Low temperature	Medium temperature	
184 %	128 %	
11 kW	11 kW	
4.68	3.26	
-7 °C	-5 °C	
-10 °C	-10 °C	
9.8 kW	8.5 kW	
2.99	1.80	
1.000	1.0	
6.1 kW	6.2 kW	
4.35	3.28	
1.0	1.0	
4.6 kW	4.4 kW	
6.70	4.88	
1.0	1.0	
	Low temperature 184 % 11 kW 4.68 -7 °C -10 °C 9.8 kW 2.99 1.000 6.1 kW 4.35 1.0 4.6 kW 6.70	

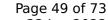
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	116 %	
СОР	2.75	
Heating up time	1h 39min h:min	
Standby power input	35.6 W	
Reference hot water temperature	46.9 °C	
Mixed water at 40°C	196.0	



Model: ERLA16DV3 / EBSH(B)16P30D

Configure model		
Model name	ERLA16DV3 / EBSH(B)16P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

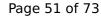
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	16.0 kW	15.63 kW	
El input	3.53 kW	5.68 kW	
СОР	4.53	2.75	

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

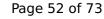
Cooling





EN 14511-2		
+7°C/+12°C		
El input	4.68 kW	
Cooling capacity	13.6	
EER	2.91	

EN 14825





	+7°C/+12°C
Pdesignc	13.60 kW
SEER	5.76
Pdc Tj = 35°C	13.60 kW
EER Tj = 35°C	2.88
Pdc Tj = 30°C	9.70 kW
EER Tj = 30°C	4.58
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	6.99
Cdc	0.980
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.69
Cdc	0.970
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1417 kWh

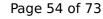




EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	49.0 dB(A)	49.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	181 %	130 %
Prated	12 kW	12 kW
SCOP	4.61	3.32
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	1.000	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

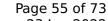
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





5.5 kW	5.3 kW
8.82	6.60
1.0	1.0
11.4 kW	10.1 kW
2.72	2.13
10.6 kW	6.0 kW
2.52	1.50
1.000	1.000
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	o w
Electricity	Electricity
1.4 kW	6.1 kW
5377 kWh	7477 kWh
	8.82 1.0 11.4 kW 2.72 10.6 kW 2.52 1.000 35 °C 23 W 23 W 23 W 0 W Electricity 1.4 kW

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.73	
Heating up time	1h 39min h:min	
Standby power input	40.6 W	
Reference hot water temperature	46.9 °C	
Mixed water at 40°C	196.0	



Model: ERLA16DV3 / EBSX(B)16P30D

Configure model			
Model name	ERLA16DV3 / EBSX(B)16P30D		
Application	Heating + DHW + low temp		
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	+7°C/12°C		

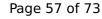
General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.0 kW	15.63 kW
El input	3.53 kW	5.68 kW
СОР	4.53	2.75

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

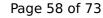
Cooling





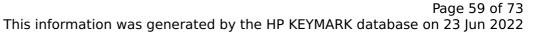
EN 14511-2		
+7°C/+12°C		
El input	4.68 kW	
Cooling capacity	13.6	
EER	2.91	

EN 14825





	+7°C/+12°C
Pdesignc	13.60 kW
SEER	5.76
Pdc Tj = 35°C	13.60 kW
EER Tj = 35°C	2.88
Pdc Tj = 30°C	9.70 kW
EER Tj = 30°C	4.58
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	6.99
Cdc	0.980
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.69
Cdc	0.970
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1417 kWh





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	49.0 dB(A)	49.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	131 %
Prated	12 kW	12 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	1.000	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

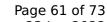
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





5.5 kW	5.3 kW
8.82	6.60
1.0	1.0
11.4 kW	10.1 kW
2.72	2.13
10.6 kW	6.0 kW
2.52	1.50
1.000	1.000
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	0 W
Electricity	Electricity
1.4 kW	6.1 kW
5293 kWh	7392 kWh
	8.82 1.0 11.4 kW 2.72 10.6 kW 2.52 1.000 35 °C 23 W 23 W 23 W 0 W Electricity 1.4 kW

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.73	
Heating up time	1h 39min h:min	
Standby power input	40.6 W	
Reference hot water temperature	46.9 °C	
Mixed water at 40°C	196.0	



Model: ERLA16DW1 / EBSH(B)16P30D

Configure model		
Model name	ERLA16DW1 / EBSH(B)16P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

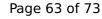
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.0 kW	15.63 kW
El input	3.53 kW	5.68 kW
СОР	4.53	2.75

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

Cooling





EN 14511-2		
+7°C/+12°C		
El input	4.68 kW	
Cooling capacity	13.6	
EER	2.91	

EN 14825





	+7°C/+12°C
Pdesignc	13.60 kW
SEER	5.76
Pdc Tj = 35°C	13.60 kW
EER Tj = 35°C	2.88
Pdc Tj = 30°C	9.70 kW
EER Tj = 30°C	4.58
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	6.99
Cdc	0.980
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.69
Cdc	0.970
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1417 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	49.0 dB(A)	49.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	181 %	130 %
Prated	12 kW	12 kW
SCOP	4.61	3.32
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	1.000	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

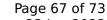
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





5.5 kW 8.82	5.3 kW
8.82	
	6.60
1.0	1.0
11.4 kW	10.1 kW
2.72	2.13
10.6 kW	6.0 kW
2.52	1.50
1.000	1.000
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
o w	0 W
Electricity	Electricity
1.4 kW	6.1 kW
5377 kWh	7477 kWh
	11.4 kW 2.72 10.6 kW 2.52 1.000 35 °C 23 W 23 W 23 W Electricity 1.4 kW

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	116 %	
СОР	2.75	
Heating up time	1h 39min h:min	
Standby power input	35.6 W	
Reference hot water temperature	46.9 °C	
Mixed water at 40°C	196.0	



Model: ERLA16DW1 / EBSX(B)16P30D

Configure model		
Model name	ERLA16DW1 / EBSX(B)16P30D	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.0 kW	15.63 kW
El input	3.53 kW	5.68 kW
СОР	4.53	2.75

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

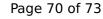
Cooling





EN 14511-2		
	+7°C/+12°C	
El input	4.68 kW	
Cooling capacity	13.6	
EER	2.91	

EN 14825





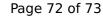
	+7°C/+12°C
Pdesignc	13.60 kW
SEER	5.76
Pdc Tj = 35°C	13.60 kW
EER Tj = 35°C	2.88
Pdc Tj = 30°C	9.70 kW
EER Tj = 30°C	4.58
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	6.99
Cdc	0.980
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.69
Cdc	0.970
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	49.0 dB(A)	49.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	131 %
Prated	12 kW	12 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	1.000	1.0
Pdh Tj = $+2$ °C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

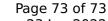
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





This information was generated by the HEREMARK database on 25 July 2022			
5.5 kW	5.3 kW		
8.82	6.60		
1.0	1.0		
11.4 kW	10.1 kW		
2.72	2.13		
10.6 kW	6.0 kW		
2.52	1.50		
1.000	1.000		
35 °C	55 °C		
23 W	23 W		
23 W	23 W		
23 W	23 W		
o w	o w		
Electricity	Electricity		
1.4 kW	6.1 kW		
5293 kWh	7392 kWh		
	5.5 kW 8.82 1.0 11.4 kW 2.72 10.6 kW 2.52 1.000 35 °C 23 W 23 W 23 W Compared to the compared to t		

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	116 %
СОР	2.75
Heating up time	1h 39min h:min
Standby power input	35.6 W
Reference hot water temperature	46.9 °C
Mixed water at 40°C	196.0