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<u>Login</u>	<u> </u>		
Summary of	DAIKIN ALTHERMA 3 R F+W 16KW (180L)	Reg. No.	011-1W0500
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 16KW (180L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	3.8 kg		
Certification Date	10.11.2021		
Testing basis	HP KEYMARK certification scheme rules rev. 8		

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Model: ERLA16DV3 / EBBH16D(6V/9W)

Configure model		
Model name ERLA16DV3 / 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 Medium temperature		
Heat output	16.00 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	13.63
EER	2.91

EN 14825

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	+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	6.20 kW	
EER Tj = 20°C	6.99	
Cdc	0.980	
Poff	23 W	
РТО	23 W	
PSB	23 W	
РСК	0 W	
Annual energy consumption Qce	1417 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	237 %	168 %
Prated	12.0 kW	12.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = $+2^{\circ}$ C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	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

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Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2675 kWh	3792 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	

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η _s	181 %	130 %	
Prated	12.0 kW	12.0 kW	
SCOP	4.61	3.32	
Tbiv	-8 °C	-5 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	11.2 kW	9.40 kW	
COP Tj = -7°C	2.87	1.95	
Cdh Tj = -7 °C	n/a	1.0	
Pdh Tj = +2°C	6.70 kW	6.90 kW	
COP Tj = +2°C	4.33	3.27	
Cdh Tj = +2 °C	1.0	1.0	
Pdh Tj = +7°C	4.70 kW	4.40 kW	
COP Tj = +7°C	6.83	4.93	
Cdh Tj = +7 °C	1.0	1.0	
Pdh Tj = 12°C	5.50 kW	5.30 kW	
COP Tj = 12°C	8.82	6.60	
Cdh Tj = +12 °C	1.0	1.0	
Pdh Tj = Tbiv	11.4 kW	10.1 kW	
COP Tj = Tbiv	2.72	2.13	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50	

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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	1.40 kW	6.10 kW
Annual energy consumption Qhe	5377 kWh	7477 kWh



Model: ERLA16DV3 / EBBH16D(6V/9W) + cooling kit

Configure model		
Model name	ERLA16DV3 / 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	16.00 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	13.63
EER	2.91

EN 14825

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	+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	6.20 kW	
EER Tj = 20°C	6.99	
Cdc	0.980	
Poff	23 W	
РТО	23 W	
PSB	23 W	
РСК	0 W	
Annual energy consumption Qce	1417 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	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	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

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	-	
Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 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
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η _s	184 %	131 %	
Prated	12.0 kW	12.0 kW	
SCOP	4.68	3.35	
Tbiv	-8 °C	-5 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	11.2 kW	9.40 kW	
COP Tj = -7°C	2.87	1.95	
Cdh Tj = -7 °C	n/a	1.0	
Pdh Tj = +2°C	6.70 kW	6.90 kW	
COP Tj = +2°C	4.33	3.27	
Cdh Tj = +2 °C	1.0	1.0	
Pdh Tj = +7°C	4.70 kW	4.40 kW	
$COP Tj = +7^{\circ}C$	6.83	4.93	
Cdh Tj = +7 °C	1.0	1.0	
Pdh Tj = 12°C	5.50 kW	5.30 kW	
COP Tj = 12°C	8.82	6.60	
Cdh Tj = +12 °C	1.0	1.0	
Pdh Tj = Tbiv	11.4 kW	10.1 kW	
COP Tj = Tbiv	2.72	2.13	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50	
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	-
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	0 W
Electricity	Electricity
1.40 kW	6.10 kW
5293 kWh	7392 kWh
	23 W 23 W 23 W 23 W 0 W Electricity 1.40 kW



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Model: ERLA16DV3 / EBBX16D(6V/9W)

Configure model		
Model name	ERLA16DV3 / 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	16.00 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	13.63
EER	2.91

EN 14825

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	+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	6.20 kW
EER Tj = 20°C	6.99
Cdc	0.980
Poff	23 W
РТО	23 W
PSB	23 W
РСК	0 W
Annual energy consumption Qce	1417 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	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	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

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Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 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	

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η_s	184 %	131 %
Prated	12.0 kW	12.0 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.40 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.70 kW	6.90 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.70 kW	4.40 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.50 kW	5.30 kW
COP Tj = 12°C	8.82	6.60
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.4 kW	10.1 kW
COP Tj = Tbiv	2.72	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50

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35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	0 W
Electricity	Electricity
1.40 kW	6.10 kW
5293 kWh	7392 kWh
	23 W 23 W 23 W 23 W 0 W Electricity 1.40 kW



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Model: ERLA16DV3 / EBVH16S18D(6V/9W)

Configure model		
Model name	ERLA16DV3 / 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	16.00 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	13.63
EER	2.91

EN 14825

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+7°C/+12°C	
	T, CTIL 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	6.20 kW
EER Tj = 20°C	6.99
Cdc	0.980
Poff	23 W
РТО	23 W
PSB	23 W
РСК	0 W
Annual energy consumption Qce	1417 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	237 %	168 %
Prated	12.0 kW	12.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	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

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Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2675 kWh	3792 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
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I his information was generated by the HP KEYMARK database on 23 Jun 202			
η _s	181 %	130 %	
Prated	12.0 kW	12.0 kW	
SCOP	4.61	3.32	
Tbiv	-8 °C	-5 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	11.2 kW	9.40 kW	
COP Tj = -7°C	2.87	1.95	
Cdh Tj = -7 °C	n/a	1.0	
Pdh Tj = $+2^{\circ}$ C	6.70 kW	6.90 kW	
COP Tj = +2°C	4.33	3.27	
Cdh Tj = +2 °C	1.0	1.0	
Pdh Tj = $+7^{\circ}$ C	4.70 kW	4.40 kW	
COP Tj = +7°C	6.83	4.93	
Cdh Tj = +7 °C	1.0	1.0	
Pdh Tj = 12°C	5.50 kW	5.30 kW	
COP Tj = 12°C	8.82	6.60	
Cdh Tj = +12 °C	1.0	1.0	
Pdh Tj = Tbiv	11.4 kW	10.1 kW	
COP Tj = Tbiv	2.72	2.13	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50	
	-		

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This information 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	1.40 kW	6.10 kW
Annual energy consumption Qhe	5377 kWh	7477 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



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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: ERLA16DV3 / EBVH16S18D(6V/9W) + cooling kit

Configure model		
Model name ERLA16DV3 / EBVH16S18D(6V/9W) + cooling kit		
Application	ation Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	versibility 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	16.00 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	13.63	
EER	2.91	

EN 14825

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I his information was generated by the HP KE	+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	6.20 kW
EER Tj = 20°C	6.99
Cdc	0.980
Poff	23 W
РТО	23 W
PSB	23 W
РСК	0 W
Annual energy consumption Qce	1417 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	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = $+2^{\circ}$ C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	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

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This information was	a an aratad by the LID	KEVMADK databasa	an 12 lun 2022
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Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 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	

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I his information was generated by the HP KEYMARK database on 23 Jun 2022		
η _s	184 %	131 %
Prated	12.0 kW	12.0 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.40 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = $+2^{\circ}C$	6.70 kW	6.90 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.70 kW	4.40 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.50 kW	5.30 kW
COP Tj = 12°C	8.82	6.60
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.4 kW	10.1 kW
COP Tj = Tbiv	2.72	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
	1	

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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	1.40 kW	6.10 kW
Annual energy consumption Qhe	5293 kWh	7392 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 38 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	

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Model: ERLA16DV3 / EBVX16S18D(6V/9W)

Configure model		
Model name	ERLA16DV3 / 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	16.00 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	13.63
EER	2.91

EN 14825

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	+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	6.20 kW
EER Tj = 20°C	6.99
Cdc	0.980
Poff	23 W
РТО	23 W
PSB	23 W
РСК	0 W
Annual energy consumption Qce	1417 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	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	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

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This information was genera	, , , , , , , , , , , , , , , , , , ,	,
Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 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

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This information was gener		ARK Ualabase off 23 Juli 202
η _s	184 %	131 %
Prated	12.0 kW	12.0 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.40 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.70 kW	6.90 kW
$COP Tj = +2^{\circ}C$	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.70 kW	4.40 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.50 kW	5.30 kW
COP Tj = 12°C	8.82	6.60
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.4 kW	10.1 kW
COP Tj = Tbiv	2.72	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
	1	1

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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	1.40 kW	6.10 kW
Annual energy consumption Qhe	5293 kWh	7392 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



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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

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Model: ERLA16DV3 / EBVZ16S18D(6V/9W)

Configure model		
Model name	ERLA16DV3 / 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	16.00 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	13.63
EER	2.91

EN 14825

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This information was generated by the HP KEYMARK database on 23 Jun 20	
	+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	6.20 kW
EER Tj = 20°C	6.99
Cdc	0.980
Poff	23 W
РТО	23 W
PSB	23 W
РСК	0 W
Annual energy consumption Qce	1417 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	237 %	168 %
Prated	12.0 kW	12.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = $+2^{\circ}$ C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	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

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Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2675 kWh	3792 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

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		RK database on 23 Jun 202.
η _s	181 %	130 %
Prated	12.0 kW	12.0 kW
SCOP	4.61	3.32
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.40 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.70 kW	6.90 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.70 kW	4.40 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.50 kW	5.30 kW
COP Tj = 12°C	8.82	6.60
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.4 kW	10.1 kW
COP Tj = Tbiv	2.72	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
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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	1.40 kW	6.10 kW
Annual energy consumption Qhe	5377 kWh	7477 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 54 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

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Model: ERLA16DV3 / EBVZ16S18D(6V/9W) + cooling kit

Configure model	
Model name ERLA16DV3 / 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	16.00 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	13.63		
EER	2.91		

EN 14825

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I his information was generated by the HP KEYMARK database on 23 Jur		
	+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	6.20 kW	
EER Tj = 20°C	6.99	
Cdc	0.980	
Poff	23 W	
РТО	23 W	
PSB	23 W	
РСК	0 W	
Annual energy consumption Qce	1417 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	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = $+2^{\circ}$ C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
$Pdh Tj = +7^{\circ}C$	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	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

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11.9 kW	11.0 kW
3.30	2.40
11.92 kW	9.83 kW
3.30	2.17
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
o w	0 W
Electricity	Electricity
0.08 kW	2.27 kW
2573 kWh	3690 kWh
	3.30 11.92 kW 3.30 35 °C 23 W 23 W 23 W 0 W Electricity 0.08 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
	*	•

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This information was generated by the HP KETMARK database on 23 jun 202				
η _s	184 %	131 %		
Prated	12.0 kW	12.0 kW		
SCOP	4.68	3.35		
Tbiv	-8 °C	-5 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7°C	11.2 kW	9.40 kW		
COP Tj = -7°C	2.87	1.95		
Cdh Tj = -7 °C	n/a	1.0		
Pdh Tj = +2°C	6.70 kW	6.90 kW		
COP Tj = +2°C	4.33	3.27		
Cdh Tj = +2 °C	1.0	1.0		
Pdh Tj = +7°C	4.70 kW	4.40 kW		
$COP Tj = +7^{\circ}C$	6.83	4.93		
Cdh Tj = +7 °C	1.0	1.0		
Pdh Tj = 12°C	5.50 kW	5.30 kW		
COP Tj = 12°C	8.82	6.60		
Cdh Tj = +12 °C	1.0	1.0		
Pdh Tj = Tbiv	11.4 kW	10.1 kW		
COP Tj = Tbiv	2.72	2.13		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50		
	!	-!		

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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	1.40 kW	6.10 kW
Annual energy consumption Qhe	5293 kWh	7392 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



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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

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Model: ERLA16DW1 / EBBH16D(6V/9W)

Cont	figure model
Model name	ERLA16DW1 / EBBH16D(6V/9W)
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

Genera	al Data
Power supply	3x400V 50Hz

Heating

	EN 14511-2	
	Low temperature	Medium temperature
Heat output	16.00 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	13.63
EER	2.91

EN 14825

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This information was generated by the HP KE	+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	6.20 kW
EER Tj = 20°C	6.99
Cdc	0.980
Poff	23 W
РТО	23 W
PSB	23 W
РСК	0 W
Annual energy consumption Qce	1417 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	237 %	168 %
Prated	12.0 kW	12.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	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

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	•	-
Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2675 kWh	3792 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

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I his information was generated by the HP KEYMARK database on 23 jun 2022			
η _s	181 %	130 %	
Prated	12.0 kW	12.0 kW	
SCOP	4.61	3.32	
Tbiv	-8 °C	-5 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	11.2 kW	9.40 kW	
COP Tj = -7°C	2.87	1.95	
Cdh Tj = -7 °C	n/a	1.0	
Pdh Tj = $+2^{\circ}C$	6.70 kW	6.90 kW	
COP Tj = +2°C	4.33	3.27	
Cdh Tj = +2 °C	1.0	1.0	
Pdh Tj = +7°C	4.70 kW	4.40 kW	
COP Tj = +7°C	6.83	4.93	
Cdh Tj = +7 °C	1.0	1.0	
Pdh Tj = 12°C	5.50 kW	5.30 kW	
COP Tj = 12°C	8.82	6.60	
Cdh Tj = +12 °C	1.0	1.0	
Pdh Tj = Tbiv	11.4 kW	10.1 kW	
COP Tj = Tbiv	2.72	2.13	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50	

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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	1.40 kW	6.10 kW
Annual energy consumption Qhe	5377 kWh	7477 kWh



Model: ERLA16DW1 / EBBH16D(6V/9W) + cooling kit

Configure model			
Model name	ERLA16DW1 / 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 3x400V 50Hz		

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 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	13.63	
EER	2.91	

EN 14825

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This information was generated by the HP KEYMARK database on 23 Jun 2		
	+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	6.20 kW	
EER Tj = 20°C	6.99	
Cdc	0.980	
Poff	23 W	
РТО	23 W	
PSB	23 W	
РСК	0 W	
Annual energy consumption Qce	1417 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	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	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

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Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 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

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		ink ualabase on 25 juli 202.
η _s	184 %	131 %
Prated	12.0 kW	12.0 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.40 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.70 kW	6.90 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.70 kW	4.40 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.50 kW	5.30 kW
COP Tj = 12°C	8.82	6.60
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.4 kW	10.1 kW
COP Tj = Tbiv	2.72	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
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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	1.40 kW	6.10 kW
Annual energy consumption Qhe	5293 kWh	7392 kWh



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Model: ERLA16DW1 / EBBX16D(6V/9W)

Configure model		
Model name	ERLA16DW1 / 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	16.00 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	13.63
EER	2.91

EN 14825

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	+7°C/+12°C
	+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	6.20 kW
EER Tj = 20°C	6.99
Cdc	0.980
Poff	23 W
РТО	23 W
PSB	23 W
РСК	0 W
Annual energy consumption Qce	1417 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	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	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

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Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 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

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		ARK UALADASE ON 25 JUN 202
η _s	184 %	131 %
Prated	12.0 kW	12.0 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.40 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.70 kW	6.90 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.70 kW	4.40 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.50 kW	5.30 kW
COP Tj = 12°C	8.82	6.60
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.4 kW	10.1 kW
COP Tj = Tbiv	2.72	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
<u> </u>		!

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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
1.40 kW	6.10 kW
5293 kWh	7392 kWh
	23 W 23 W 23 W 23 W 0 W Electricity 1.40 kW



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Model: ERLA16DW1 / EBVH16S18D(6V/9W)

Configure model		
Model name ERLA16DW1 / 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	16.00 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	13.63	
EER	2.91	

EN 14825

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This information was generated by the HP KEYMARK database on 23 Ju		
	+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	6.20 kW	
EER Tj = 20°C	6.99	
Cdc	0.980	
Poff	23 W	
РТО	23 W	
PSB	23 W	
РСК	0 W	
Annual energy consumption Qce	1417 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	237 %	168 %
Prated	12.0 kW	12.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	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

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5		· · · · · · · · · · · · · · · · · · ·
Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2675 kWh	3792 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

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This mornation was gener		RK database on 23 Jun 202
η _s	181 %	130 %
Prated	12.0 kW	12.0 kW
SCOP	4.61	3.32
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.40 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.70 kW	6.90 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.70 kW	4.40 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.50 kW	5.30 kW
COP Tj = 12°C	8.82	6.60
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.4 kW	10.1 kW
COP Tj = Tbiv	2.72	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50

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35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	0 W
Electricity	Electricity
1.40 kW	6.10 kW
5377 kWh	7477 kWh
	23 W 23 W 23 W 23 W 0 W Electricity 1.40 kW

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



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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	

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Model: ERLA16DW1 / EBVH16S18D(6V/9W) + cooling kit

Configure model		
Model name ERLA16DW1 / 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	16.00 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	13.63	
EER	2.91	

EN 14825

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This information was generated by the HP KEYMARK database on 23 Jun 2		
	+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	6.20 kW	
EER Tj = 20°C	6.99	
Cdc	0.980	
Poff	23 W	
РТО	23 W	
PSB	23 W	
РСК	0 W	
Annual energy consumption Qce	1417 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	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	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

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5	, ,	· · · · · · · · · · · · · · · · · · ·
Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 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

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		ARK Galabase on 23 Jun 202
η _s	184 %	131 %
Prated	12.0 kW	12.0 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.40 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.70 kW	6.90 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.70 kW	4.40 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.50 kW	5.30 kW
COP Tj = 12°C	8.82	6.60
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.4 kW	10.1 kW
COP Tj = Tbiv	2.72	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
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35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	0 W
Electricity	Electricity
1.40 kW	6.10 kW
5293 kWh	7392 kWh
	23 W 23 W 23 W 23 W 0 W Electricity 1.40 kW

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



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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	

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Model: ERLA16DW1 / EBVX16S18D(6V/9W)

Configure model		
Model name	ERLA16DW1 / 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	16.00 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	13.63	
EER	2.91	

EN 14825

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I his information was generated by the HP KEYMARK database on 23 Jun 2		
	+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	6.20 kW	
EER Tj = 20°C	6.99	
Cdc	0.980	
Poff	23 W	
РТО	23 W	
PSB	23 W	
РСК	0 W	
Annual energy consumption Qce	1417 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	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	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

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		RK database on 23 Jun 2022
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Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 kWh
PSB PCK Supplementary Heater: Type of energy input Supplementary Heater: PSUP	23 W 0 W Electricity 0.08 kW	23 W 0 W Electricity 2.27 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

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This mornation was gener		RK database on 23 Jun 202.
η _s	184 %	131 %
Prated	12.0 kW	12.0 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.40 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.70 kW	6.90 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.70 kW	4.40 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.50 kW	5.30 kW
COP Tj = 12°C	8.82	6.60
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.4 kW	10.1 kW
COP Tj = Tbiv	2.72	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50

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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	1.40 kW	6.10 kW
Annual energy consumption Qhe	5293 kWh	7392 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



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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



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Model: ERLA16DW1 / EBVZ16S18D(6V/9W)

Configure model		
Model name	ERLA16DW1 / 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	16.00 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	13.63	
EER	2.91	

EN 14825

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This information was generated by the HP KEYMARK database on 23 Jun 2		
	+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	6.20 kW	
EER Tj = 20°C	6.99	
Cdc	0.980	
Poff	23 W	
РТО	23 W	
PSB	23 W	
РСК	0 W	
Annual energy consumption Qce	1417 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	237 %	168 %
Prated	12.0 kW	12.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	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

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Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2675 kWh	3792 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
	•	•

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Inis information was gener	ateu by the HF KETMA	IRK Ualabase off 25 Juli 202
η _s	181 %	130 %
Prated	12.0 kW	12.0 kW
SCOP	4.61	3.32
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.40 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.70 kW	6.90 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.70 kW	4.40 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.50 kW	5.30 kW
COP Tj = 12°C	8.82	6.60
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.4 kW	10.1 kW
COP Tj = Tbiv	2.72	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
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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	1.40 kW	6.10 kW
Annual energy consumption Qhe	5377 kWh	7477 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



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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: ERLA16DW1 / EBVZ16S18D(6V/9W) + cooling kit

Configure model		
Model name ERLA16DW1 / 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	
Heat output	16.00 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	13.63	
EER	2.91	

EN 14825

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	+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	6.20 kW	
EER Tj = 20°C	6.99	
Cdc	0.980	
Poff	23 W	
РТО	23 W	
PSB	23 W	
РСК	0 W	
Annual energy consumption Qce	1417 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	246 %	172 %	
Prated	12.0 kW	12.1 kW	
SCOP	6.23	4.38	
Tbiv	2 °C	3 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	11.9 kW	9.8 kW	
COP Tj = +2°C	3.30	2.17	
Cdh Tj = +2 °C	1.0	1.0	
Pdh Tj = +7°C	8.1 kW	7.6 kW	
COP Tj = +7°C	5.64	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	

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Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 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
	*	•

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η _s	184 %	131 %	
Prated	12.0 kW	12.0 kW	
SCOP	4.68	3.35	
Tbiv	-8 °C	-5 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	11.2 kW	9.40 kW	
COP Tj = -7°C	2.87	1.95	
Cdh Tj = -7 °C	n/a	1.0	
Pdh Tj = +2°C	6.70 kW	6.90 kW	
COP Tj = +2°C	4.33	3.27	
Cdh Tj = +2 °C	1.0	1.0	
Pdh Tj = +7°C	4.70 kW	4.40 kW	
COP Tj = +7°C	6.83	4.93	
Cdh Tj = +7 °C	1.0	1.0	
Pdh Tj = 12°C	5.50 kW	5.30 kW	
COP Tj = 12°C	8.82	6.60	
Cdh Tj = +12 °C	1.0	1.0	
Pdh Tj = Tbiv	11.4 kW	10.1 kW	
COP Tj = Tbiv	2.72	2.13	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.00 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50	
		•	

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This information 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	1.40 kW	6.10 kW
Annual energy consumption Qhe	5293 kWh	7392 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



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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	