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<u>Login</u>			-
Summary of	DAIKIN ALTHERMA 3 R F+W 11KW (180L)	Reg. No.	011-1W0498
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 11KW (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: ERLA11DV3 / EBBH11D(6V/9W)

Configure model			
Model name	ERLA11DV3 / EBBH11D(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	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	

EN 14825		
	+7°C/+12°C	
Poff	23 W	
РТО	23 W	
PSB	23 W	
РСК	0 W	

Warmer 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 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	237 %	161 %
Prated	10.00 kW	10.00 kW

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I his information was generation		
SCOP	6.00	4.10
Tbiv	3 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = $+2^{\circ}C$	9.80 kW	9.00 kW
COP Tj = +2°C	3.64	2.24
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = $+7^{\circ}$ C	6.70 kW	6.20 kW
COP Tj = +7°C	5.70	3.74
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	5.20 kW	5.00 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	9.20 kW	8.50 kW
COP Tj = Tbiv	3.81	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.76 kW	8.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.64	2.24
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
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2228 kWh	3258 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	
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	1.0	1.0	
Pdh Tj = +2°C	5.5 kW	5.4 kW	

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.0 .6 kW .74	3.25 1.0 4.4 kW 4.81
.6 kW .74	4.4 kW
.74	
	4.81
.0	
	1.0
.4 kW	5.3 kW
.54	6.41
.0	1.0
.2 kW	8.2 kW
.01	1.96
.4 kW	6.8 kW
.73	1.68
5 °C	55 °C
3 W	23 W
3 W	23 W
3 W	23 W
W	0 W
lectricity	Electricity
.6 kW	3.2 kW
462 kWh	6397 kWh
	54 54 52 kW 51 5 kW 73 6 kW



Model: ERLA11DV3 / EBBH11D(6V/9W) + cooling kit

Configure model		
Model name	ERLA11DV3 / EBBH11D(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	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	11.18		
EER	3.22		

EN 14825

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I his information was generated by the HP KEYMARK database on 23 Jun 20		
	+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	
РСК	0 W	
Annual energy consumption Qce	1116 kWh	

Warmer Climate

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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825			
	Low temperature Medium tempe		
η _s	248 %	166 %	
Prated	10 kW	10 kW	
SCOP	6.28	4.23	
Tbiv	3 °C	4 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	9.8 kW	9.0 kW	
COP Tj = +2°C	3.64	2.24	
Cdh Tj = +2 °C	1.0	1.0	
Pdh Tj = +7°C	6.7 kW	6.2 kW	
COP Tj = +7°C	5.70	3.74	
Cdh Tj = +7 °C	1.0	1.0	
Pdh Tj = 12°C	5.2 kW	5.0 kW	
COP Tj = 12°C	7.87	5.68	
Cdh Tj = +12 °C	1.0	1.0	

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Pdh Tj = Tbiv	9.2 kW	8.5 kW
COP Tj = Tbiv	3.81	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.76 kW	8.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.64	2.24
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	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 kWh
PSB PCK Supplementary Heater: Type of energy input Supplementary Heater: PSUP	23 W 0 W Electricity 0.24 kW	23 W 0 W Electricity 1.01 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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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	1.0	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
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
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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	1.6 kW	3.2 kW
Annual energy consumption Qhe	4378 kWh	6312 kWh



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Model: ERLA11DV3 / EBBX11D(6V/9W)

Configure model		
Model name	ERLA11DV3 / EBBX11D(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	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	11.18	
EER	3.22	

EN 14825

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I his information was generated by the HP KE	+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
$Pdc Tj = 25^{\circ}C$	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
РСК	0 W
Annual energy consumption Qce	1116 kWh

Warmer 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 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	248 %	166 %
Prated	10 kW	10 kW
SCOP	6.28	4.23
Tbiv	3 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	9.8 kW	9.0 kW
COP Tj = +2°C	3.64	2.24
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	6.7 kW	6.2 kW
COP Tj = +7°C	5.70	3.74
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.0	1.0

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8.5 kW
2.41
W 8.99 kW
2.24
55 °C
23 W
23 W
23 W
0 W
city Electricity
W 1.01 kW
‹Wh 3157 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	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	1.0	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
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
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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
1.6 kW	3.2 kW
4378 kWh	6312 kWh
-	23 W 23 W 23 W 23 W 0 W Electricity 1.6 kW



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Model: ERLA11DV3 / EBVH11S18D(6V/9W)

Configure model		
Model name	ERLA11DV3 / EBVH11S18D(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	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

EN 14825	
	+7°C/+12°C
Poff	23 W
РТО	23 W
PSB	23 W
РСК	0 W

Warmer 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 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	237 %	161 %
Prated	10.00 kW	10.00 kW

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		RK database on 23 Jun 202
SCOP	6.00	4.10
Tbiv	3 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = $+2^{\circ}C$	9.80 kW	9.00 kW
COP Tj = +2°C	3.64	2.24
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = $+7^{\circ}$ C	6.70 kW	6.20 kW
COP Tj = +7°C	5.70	3.74
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	5.20 kW	5.00 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	9.20 kW	8.50 kW
COP Tj = Tbiv	3.81	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.76 kW	8.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.64	2.24
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

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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2228 kWh	3258 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
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	1.0	1.0
Pdh Tj = +2°C	5.5 kW	5.4 kW

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COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.0	1.0
$Pdh Tj = +7^{\circ}C$	4.6 kW	4.4 kW
COP Tj = +7°C	6.74	4.81
Cdh Tj = +7 °C	1.0	1.0
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
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	1.6 kW	3.2 kW
Annual energy consumption Qhe	4462 kWh	6397 kWh
	÷	

Domestic Hot Water (DHW)



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Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	139 %
СОР	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 I

Average Climate

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



Model: ERLA11DV3 / EBVH11S18D(6V/9W) + cooling kit

Configure model		
Model name ERLA11DV3 / EBVH11S18D(6V/9W) + cooling kit		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	mate 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	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	11.18	
EER	3.22	

EN 14825

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I his information was generated by the HP KE	+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
РСК	0 W
Annual energy consumption Qce	1116 kWh

Warmer 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 dB(A)	62 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η _s	248 %	166 %
Prated	10 kW	10 kW
SCOP	6.28	4.23
Tbiv	3 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	9.8 kW	9.0 kW
COP Tj = +2°C	3.64	2.24
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	6.7 kW	6.2 kW
COP Tj = +7°C	5.70	3.74
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.0	1.0

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Pdh Tj = Tbiv	9.2 kW	8.5 kW
COP Tj = Tbiv	3.81	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.76 kW	8.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.64	2.24
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	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 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	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	1.0	1.0	
Pdh Tj = $+2^{\circ}$ 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 = $+7^{\circ}$ C	4.6 kW	4.4 kW	
COP Tj = +7°C	6.74	4.81	
Cdh Tj = +7 °C	1.0	1.0	
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	
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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	1.6 kW	3.2 kW
Annual energy consumption Qhe	4378 kWh	6312 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: ERLA11DV3 / EBVX11S18D(6V/9W)

Configure model		
Model name	ERLA11DV3 / EBVX11S18D(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	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	11.18	
EER	3.22	

EN 14825

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	+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
$EER Tj = 20^{\circ}C$	8.47
Cdc	0.970
Poff	23 W
РТО	23 W
PSB	23 W
РСК	0 W
Annual energy consumption Qce	1116 kWh

Warmer 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 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	248 %	166 %
Prated	10 kW	10 kW
SCOP	6.28	4.23
Tbiv	3 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	9.8 kW	9.0 kW
COP Tj = +2°C	3.64	2.24
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	6.7 kW	6.2 kW
COP Tj = +7°C	5.70	3.74
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.0	1.0

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Pdh Tj = Tbiv	9.2 kW	8.5 kW
COP Tj = Tbiv	3.81	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.76 kW	8.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.64	2.24
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	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 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 23 JUN 202
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	1.0	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
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
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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
1.6 kW	3.2 kW
4378 kWh	6312 kWh
	23 W 23 W 23 W 23 W 0 W Electricity 1.6 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 l



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Model: ERLA11DV3 / EBVZ16S18D(6V/9W)

Configure model		
Model name	ERLA11DV3 / 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	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

EN 14825		
	+7°C/+12°C	
Poff	23 W	
РТО	23 W	
PSB	23 W	
РСК	0 W	

Warmer 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 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	237 %	161 %
Prated	10 kW	10 kW

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I his information was generated by the HP KEYMARK database on 23 Jun 202				
SCOP	6.00	4.09		
Tbiv	3 °C	4 °C		
TOL	2 °C	2 °C		
Pdh Tj = $+2^{\circ}C$	9.2 kW	9.0 kW		
COP Tj = +2°C	3.80	2.23		
Cdh Tj = +2 °C	1.0	1.0		
Pdh Tj = +7°C	6.7 kW	6.2 kW		
COP Tj = +7°C	5.70	3.74		
Cdh Tj = +7 °C	1.0	1.0		
Pdh Tj = 12°C	5.2 kW	5.0 kW		
COP Tj = 12°C	7.87	5.67		
Cdh Tj = +12 °C	1.0	1.0		
Pdh Tj = Tbiv	9.2 kW	8.5 kW		
COP Tj = Tbiv	3.80	2.40		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.76 kW	8.99 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.64	2.24		
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		
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2228 kWh	3262 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
η _s	182 %	131 %
Prated	10 kW	10 kW
SCOP	4.61	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	1.0	1.0
Pdh Tj = +2°C	5.5 kW	5.4 kW

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COP Tj = +2°C	4.35	3.25
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.69	4.79
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.47	6.38
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	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.72	1.68
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	1.6 kW	3.2 kW
Annual energy consumption Qhe	4479 kWh	6405 kWh

Domestic Hot Water (DHW)



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Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	139 %	
СОР	3.26	
Heating up time	1:16 h:min	
Standby power input	38.4 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	244.0 I	

Average Climate

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: ERLA11DV3 / EBVZ16S18D(6V/9W) + cooling kit

Configure model		
Model name	ERLA11DV3 / 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	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	11.18
EER	3.22

EN 14825

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This information was generated by the HP KE	+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
РСК	0 W
Annual energy consumption Qce	1116 kWh

Warmer 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 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	248 %	166 %
Prated	10.00 kW	10.00 kW
SCOP	6.28	4.23
Tbiv	3 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	9.80 kW	9.00 kW
COP Tj = +2°C	3.64	2.24
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	6.70 kW	6.20 kW
COP Tj = +7°C	5.70	3.74
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	5.20 kW	5.00 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.000	1.000

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Pdh Tj = Tbiv	9.20 kW	8.50 kW
COP Tj = Tbiv	3.81	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.76 kW	8.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.64	2.24
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	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 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	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	1.0	1.0
Pdh Tj = $+2^{\circ}$ 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
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
	1	1

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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
1.6 kW	3.2 kW
4378 kWh	6312 kWh
	23 W 23 W 23 W 23 W 0 W Electricity 1.6 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 I

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: ERLA11DW1 / EBBH11D(6V/9W)

Configure model		
Model name	ERLA11DW1 / EBBH11D(6V/9W)	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	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

EN 14825	
	+7°C/+12°C
Poff	23 W
РТО	23 W
PSB	23 W
РСК	0 W

Warmer 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 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	236 %	161 %
Prated	10 kW	10 kW

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This information was generation		
SCOP	6.00	4.10
Tbiv	3 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = $+2^{\circ}$ C	9.8 kW	9.0 kW
COP Tj = +2°C	3.64	2.24
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	6.7 kW	6.2 kW
COP Tj = +7°C	5.70	3.74
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.2 kW	8.5 kW
COP Tj = Tbiv	3.81	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.76 kW	8.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.64	2.24
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
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		······································
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2228 kWh	3258 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
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	1.0	1.0
Pdh Tj = +2°C	5.5 kW	5.4 kW

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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
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
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	1.6 kW	3.2 kW
Annual energy consumption Qhe	4462 kWh	6397 kWh

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Model: ERLA11DW1 / EBBH11D(6V/9W) + cooling kit

Configure model		
Model name	ERLA11DW1 / EBBH11D(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	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	11.18
EER	3.22

EN 14825

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This information was generated by the HP KE	
	+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
РСК	0 W
Annual energy consumption Qce	1116 kWh

Warmer 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 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	248 %	166 %
Prated	10 kW	10 kW
SCOP	6.28	4.23
Tbiv	3 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	9.8 kW	9.0 kW
COP Tj = +2°C	3.64	2.24
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	6.7 kW	6.2 kW
COP Tj = +7°C	5.70	3.74
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.0	1.0

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Pdh Tj = Tbiv	9.2 kW	8.5 kW
COP Tj = Tbiv	3.81	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.76 kW	8.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.64	2.24
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	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 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 Ualabase on 25 Jun 202.
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	1.0	1.0
Pdh Tj = $+2^{\circ}$ 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
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
		-

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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	1.6 kW	3.2 kW
Annual energy consumption Qhe	4378 kWh	6312 kWh



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Model: ERLA11DW1 / EBBX11D(6V/9W)

Configure model		
Model name	ERLA11DW1 / EBBX11D(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	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	11.18	
EER	3.22	

EN 14825

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	+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	
РСК	0 W	
Annual energy consumption Qce	1116 kWh	

Warmer 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 dB(A)	62 dB(A)		

EN 14825				
	Low temperature	Medium temperature		
η _s	248 %	166 %		
Prated	10 kW	10 kW		
SCOP	6.28	4.23		
Tbiv	3 °C	4 °C		
TOL	2 °C	2 °C		
Pdh Tj = $+2^{\circ}$ C	9.8 kW	9.0 kW		
COP Tj = +2°C	3.64	2.24		
Cdh Tj = +2 °C	1.0	1.0		
Pdh Tj = $+7^{\circ}$ C	6.7 kW	6.2 kW		
COP Tj = +7°C	5.70	3.74		
Cdh Tj = +7 °C	1.0	1.0		
Pdh Tj = 12°C	5.2 kW	5.0 kW		
COP Tj = 12°C	7.87	5.68		
Cdh Tj = +12 °C	1.0	1.0		

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5		
Pdh Tj = Tbiv	9.2 kW	8.5 kW
COP Tj = Tbiv	3.81	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.76 kW	8.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.64	2.24
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	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 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 generated by the HP KEYMARK database on 23 Jun 202.			
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	1.0	1.0	
Pdh Tj = $+2^{\circ}$ 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	
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	

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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
1.6 kW	3.2 kW
4378 kWh	6312 kWh
	23 W 23 W 23 W 23 W 0 W Electricity 1.6 kW



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Model: ERLA11DW1 / EBVH11S18D(6V/9W)

Configure model		
Model name	ERLA11DW1 / EBVH11S18D(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	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	

EN 14825		
	+7°C/+12°C	
Poff	23 W	
РТО	23 W	
PSB	23 W	
РСК	0 W	

Warmer 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 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	236 %	161 %
Prated	10 kW	10 kW

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SCOP	6.00	4.10
Tbiv	3 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = $+2^{\circ}C$	9.8 kW	9.0 kW
COP Tj = +2°C	3.64	2.24
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	6.7 kW	6.2 kW
COP Tj = +7°C	5.70	3.74
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.2 kW	8.5 kW
COP Tj = Tbiv	3.81	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.76 kW	8.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.64	2.24
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

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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2228 kWh	3258 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
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	1.0	1.0
Pdh Tj = +2°C	5.5 kW	5.4 kW

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Domestic Hot Water (DHW)

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This information was generated by the HP KEYMARK database on 23 Jun 202		
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

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$Pdh Tj = +7^{\circ}C$	4.6 kW	4.4 kW
COP Tj = +7°C	6.74	4.81
Cdh Tj = +7 °C	1.0	1.0
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
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	1.6 kW	3.2 kW
Annual energy consumption Qhe	4462 kWh	6397 kWh



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Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	139 %
СОР	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 I

Average Climate

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	



Model: ERLA11DW1 / EBVH11S18D(6V/9W) + cooling kit

Configure model		
Model name	ERLA11DW1 / EBVH11S18D(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	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	11.18	
EER	3.22	

EN 14825

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This information was generated by the HP KEYMARK database on 23 Jun 20		
	+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	
РСК	0 W	
Annual energy consumption Qce	1116 kWh	

Warmer 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 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	248 %	166 %
Prated	10 kW	10 kW
SCOP	6.28	4.23
Tbiv	3 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	9.8 kW	9.0 kW
COP Tj = +2°C	3.64	2.24
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	6.7 kW	6.2 kW
COP Tj = +7°C	5.70	3.74
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.0	1.0

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	-	-
Pdh Tj = Tbiv	9.2 kW	8.5 kW
COP Tj = Tbiv	3.81	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.76 kW	8.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.64	2.24
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	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 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	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	1.0	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	
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	
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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
1.6 kW	3.2 kW
4378 kWh	6312 kWh
	23 W 23 W 23 W 23 W 0 W Electricity 1.6 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 I	

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: ERLA11DW1 / EBVX11S18D(6V/9W)

Configure model		
Model name ERLA11DW1 / EBVX11S18D(6V/9W)		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Zone Warmer Climate	
Reversibility	versibility 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	11.18
EER	3.22

EN 14825

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This information was generated by the HP KE	+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
РСК	0 W
Annual energy consumption Qce	1116 kWh

Warmer 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 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	248 %	166 %
Prated	10 kW	10 kW
SCOP	6.28	4.23
Tbiv	3 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	9.8 kW	9.0 kW
COP Tj = +2°C	3.64	2.24
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	6.7 kW	6.2 kW
COP Tj = +7°C	5.70	3.74
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.0	1.0

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Pdh Tj = Tbiv	9.2 kW	8.5 kW
COP Tj = Tbiv	3.81	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.76 kW	8.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.64	2.24
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
РСК	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 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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	aled by the HP KETMA	IRK database on 23 Jun 202.
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	1.0	1.0
Pdh Tj = $+2^{\circ}C$	5.5 kW	5.4 kW
COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	4.6 kW	4.4 kW
COP Tj = +7°C	6.74	4.81
Cdh Tj = +7 °C	1.0	1.0
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

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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	1.6 kW	3.2 kW
Annual energy consumption Qhe	4378 kWh	6312 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	139 %	
СОР	3.26	
Heating up time	1:16 h:min	
Standby power input	38.4 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	244.0 I	

Average Climate



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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: ERLA11DW1 / EBVZ16S18D(6V/9W)

Configure model		
Model name	ERLA11DW1 / 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	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	

EN 14825		
	+7°C/+12°C	
Poff	23 W	
РТО	23 W	
PSB	23 W	
РСК	0 W	

Warmer 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 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	237 %	161 %
Prated	10 kW	10 kW

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SCOP	6.00	4.09		
Tbiv	3 °C	4 °C		
TOL	2 °C	2 °C		
Pdh Tj = +2°C	9.2 kW	9.0 kW		
COP Tj = +2°C	3.80	2.23		
Cdh Tj = +2 °C	1.0	1.0		
Pdh Tj = +7°C	6.7 kW	6.2 kW		
COP Tj = +7°C	5.70	3.74		
Cdh Tj = +7 °C	1.0	1.0		
Pdh Tj = 12°C	5.2 kW	5.0 kW		
COP Tj = 12°C	7.87	5.67		
Cdh Tj = +12 °C	1.0	1.0		
Pdh Tj = Tbiv	9.2 kW	8.5 kW		
COP Tj = Tbiv	3.80	2.40		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.76 kW	8.99 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.64	2.24		
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		
		-		

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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2228 kWh	3262 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
η _s	182 %	131 %
Prated	10 kW	10 kW
SCOP	4.61	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	1.0	1.0
Pdh Tj = +2°C	5.5 kW	5.4 kW

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This information was generated by the HP KEYMARK database on 23 Jun 202				
COP Tj = +2°C	4.35	3.25		
Cdh Tj = +2 °C	1.0	1.0		
Pdh Tj = +7°C	4.6 kW	4.4 kW		
COP Tj = +7°C	6.69	4.79		
Cdh Tj = +7 °C	1.0	1.0		
Pdh Tj = 12°C	5.4 kW	5.3 kW		
COP Tj = 12°C	8.47	6.38		
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	6.9 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.72	1.68		
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	1.6 kW	3.2 kW		
Annual energy consumption Qhe	4479 kWh	6405 kWh		
	•			

Domestic Hot Water (DHW)

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Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	139 %	
СОР	3.26	
Heating up time	1:16 h:min	
Standby power input	38.4 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	244.0 I	

Average Climate

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	



Model: ERLA11DW1 / EBVZ16S18D(6V/9W) + cooling kit

Configure model		
Model name ERLA11DW1 / 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	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	11.18
EER	3.22

EN 14825

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I his information was generated by the HP KE	+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
РСК	0 W
Annual energy consumption Qce	1116 kWh

Warmer Climate

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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	248 %	166 %
Prated	10 kW	10 kW
SCOP	6.28	4.23
Tbiv	3 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	9.8 kW	9.0 kW
COP Tj = +2°C	3.64	2.24
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	6.7 kW	6.2 kW
COP Tj = +7°C	5.70	3.74
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.0	1.0

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Pdh Tj = Tbiv	9.2 kW	8.5 kW
COP Tj = Tbiv	3.81	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.76 kW	8.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.64	2.24
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	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 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 generated by the HP KEYMARK database on 23 Jun 202		
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	1.0	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
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
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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	1.6 kW	3.2 kW
Annual energy consumption Qhe	4378 kWh	6312 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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