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#### This information was generated by the HP KEYMARK database on 18 Mar 2022

#### **Login**

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		



## 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	naccod
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

## Cooling



EN 14511-2		
+7°C/+12°C		
El input	3.47 kW	

EN 14825		
	+7°C/+12°C	
Poff	23 W	
РТО	23 W	
PSB	23 W	
PCK	o w	

## 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)

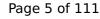
EN 14825		
	Low temperat	ure Medium temperature
$\eta_{S}$	182 %	126 %
Prated	10 kW	10 kW



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SCOP	4.63	3.23
	7.05	5.25
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
$COP Tj = +7^{\circ}C$	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
PCK	o 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

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
$\eta_{s}$	237 %	161 %
Prated	10.00 kW	10.00 kW
SCOP	6.00	4.10
Tbiv	3 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	9.80 kW	9.00 kW



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ring information was genera		
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
$COP Tj = +7^{\circ}C$	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
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

# 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	

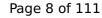
General Data		
Power supply	1x230V 50Hz	

## 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

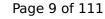
### Cooling





EN 14511-2		
+7°C/+12°C		
El input	3.47 kW	
Cooling capacity	11.18	
EER	3.22	

#### EN 14825





	+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
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1116 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
$\eta_{s}$	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

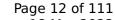


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Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.54	6.41
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.2 kW	8.2 kW
COP Tj = Tbiv	3.01	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.4 kW	6.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	1.68
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	o 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

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
$\eta_{s}$	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
$COPTj = +7^{\circ}C$	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



## $$\operatorname{\textit{Page}}\ 13$$ of 111 This information was generated by the HP KEYMARK database on 18 Mar 2022

Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 kWh



## 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	

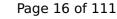
## Cooling



EN 14511-2		
+7°C/+12°C		
El input	3.47 kW	
Cooling capacity	11.18	
EER	3.22	

EN 14511-2		
	+7°C/+12°C	
El input	3.47 kW	
Cooling capacity	11.18	
EER	3.22	

EN 14825 EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com Disclaimer: this document is a summary of the certified performance. The authoritative source of this information is the heat pump certificate as executed by the certification body and the related technical data.





	+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
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1116 kWh

## Average 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	62.0 dB(A)	62.0 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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

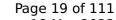


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#### This information was generated by the HP KEYMARK database on 18 Mar 2022

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
PCK	o w	o 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

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
$\eta_{s}$	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
$COPTj = +7^{\circ}C$	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



## $$\operatorname{\textit{Page}}\xspace$ 20 of 111 This information was generated by the HP KEYMARK database on 18 Mar 2022

Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 kWh



## 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	
PCK	0 W	

## Average Climate

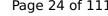
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825				
Low temperature Medium temperatur				
$\eta_{S}$	182 %	126 %		
Prated	10 kW	10 kW		



## $$\operatorname{\textit{Page}}\xspace$ 23 of 111 This information was generated by the HP KEYMARK database on 18 Mar 2022

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
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





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РТО	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	3.2 kW
Annual energy consumption Qhe	4462 kWh	6397 kWh

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
$\eta_{s}$	237 %	161 %
Prated	10.00 kW	10.00 kW
SCOP	6.00	4.10
Tbiv	3 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	9.80 kW	9.00 kW





3.64	12.24
	2.24
1.000	1.000
6.70 kW	6.20 kW
5.70	3.74
1.000	1.000
5.20 kW	5.00 kW
7.87	5.68
1.000	1.000
9.20 kW	8.50 kW
3.81	2.41
9.76 kW	8.99 kW
3.64	2.24
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	0 W
Electricity	Electricity
0.24 kW	1.01 kW
2228 kWh	3258 kWh
	6.70 kW 5.70 1.000 5.20 kW 7.87 1.000 9.20 kW 3.81 9.76 kW 3.64 35 °C 23 W 23 W 23 W Compared to the compared

## Domestic Hot Water (DHW)

## 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	

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	



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

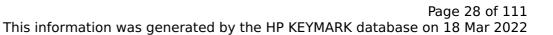
General Data		
Power supply	1x230V 50Hz	

## 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

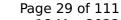
### Cooling





EN 14511-2		
+7°C/+12°C		
El input	3.47 kW	
Cooling capacity	11.18	
EER	3.22	

	+7°C/+12°C		
El input	3.47 kW		
Cooling capacity	11.18		
EER	3.22		
EN 14825			





This information was generated by the Fill RE	+7°C/+12°C
Pdesignc	11.00 kW
SEER	5.92
Pdc Tj = 35°C	11.00 kW
EER Tj = 35°C	3.19
Pdc Tj = 30°C	8.10 kW
EER Tj = 30°C	4.94
Cdc	0.990
Pdc Tj = 25°C	5.70 kW
EER Tj = 25°C	7.18
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.47
Cdc	0.970
Poff	23 W
РТО	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1116 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
$\eta_{s}$	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

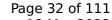


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#### This information was generated by the HP KEYMARK database on 18 Mar 2022

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
PCK	o w	o 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

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
$\eta_{s}$	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
$COPTj = +7^{\circ}C$	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

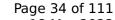


Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 kWh

## Domestic Hot Water (DHW)

### **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





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



## 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

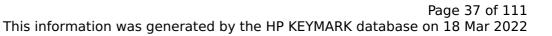
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

## Cooling



EN 14511-2		
	+7°C/+12°C	
El input	3.47 kW	
Cooling capacity	11.18	
EER	3.22	

EN 14511-2		
	+7°C/+12°C	
El input	3.47 kW	
Cooling capacity	11.18	
EER	3.22	
EN 1/825		





	+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
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1116 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
$\eta_{s}$	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



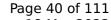
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### This information was generated by the HP KEYMARK database on 18 Mar 2022

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
PCK	o 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

### Warmer Climate

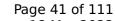
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)





### EN 14825

	Low temperature	Medium temperature
$\eta_{s}$	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
$COPTj = +7^{\circ}C$	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





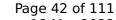
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 kWh

### Domestic Hot Water (DHW)

### 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	

### 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



### 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	
PCK	o w	

### Average Climate

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	182 %	131 %
Prated	10 kW	10 kW
	·	·



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### This information was generated by the HP KEYMARK database on 18 Mar 2022

<del>-</del>		
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
COP Tj = +2°C	4.35	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	6.69	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
PCK	o 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

### 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 <sub>s</sub>	237 %	161 %
Prated	10 kW	10 kW
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



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### This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = +2°C	3.80	2.23
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	6.7 kW	6.2 kW
$COP Tj = +7^{\circ}C$	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
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2228 kWh	3262 kWh

### Domestic Hot Water (DHW)

### 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

### 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	



# 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





	+7°C/+12°C
Pdesignc	11.00 kW
SEER	5.92
Pdc Tj = 35°C	11.00 kW
EER Tj = 35°C	3.19
Pdc Tj = 30°C	8.10 kW
EER Tj = 30°C	4.94
Cdc	0.990
Pdc Tj = 25°C	5.70 kW
EER Tj = 25°C	7.18
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.47
Cdc	0.970
Poff	23 W
РТО	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1116 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
$\eta_{s}$	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



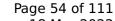
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### This information was generated by the HP KEYMARK database on 18 Mar 2022

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
PCK	o w	o 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

### Warmer Climate

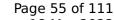
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	44.0 dB(A)	44.0 dB(A)	
Sound power level outdoor	62 dB(A)	62 dB(A)	





### EN 14825

	Low temperature	Medium temperature
$\eta_{s}$	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 = $+7^{\circ}$ C	6.70 kW	6.20 kW
$COPTj = +7^{\circ}C$	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





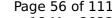
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 kWh

### Domestic Hot Water (DHW)

### **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	

### Warmer Climate





# $$\operatorname{\textit{Page}}\xspace$ 56 of 111 This information was generated by the HP KEYMARK database on 18 Mar 2022

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	



### 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	
PCK	o w	

### Average Climate

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

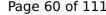
EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	182 %	126 %
Prated	10 kW	10 kW
		•



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### This information was generated by the HP KEYMARK database on 18 Mar 2022

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
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
$COPTj = +7^{\circ}C$	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
	•	





# $$\operatorname{\textit{Page}}\xspace$ 60 of 111 This information was generated by the HP KEYMARK database on 18 Mar 2022

РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	3.2 kW
Annual energy consumption Qhe	4462 kWh	6397 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 temper			
$\eta_{s}$	236 %	161 %	
Prated	10 kW	10 kW	
SCOP	6.00	4.10	
Tbiv	3 °C	4 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	9.8 kW	9.0 kW	



# $$\operatorname{\textit{Page}}\xspace$ 61 of 111 This information was generated by the HP KEYMARK database on 18 Mar 2022

3.64	2.24
1.0	1.0
6.7 kW	6.2 kW
5.70	3.74
1.0	1.0
5.2 kW	5.0 kW
7.87	5.68
1.0	1.0
9.2 kW	8.5 kW
3.81	2.41
9.76 kW	8.99 kW
3.64	2.24
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
o w	0 W
Electricity	Electricity
0.24 kW	1.01 kW
2228 kWh	3258 kWh
	1.0 6.7 kW 5.70 1.0 5.2 kW 7.87 1.0 9.2 kW 3.81 9.76 kW 3.64 35 °C 23 W 23 W 23 W Compared to the state of th



# 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



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This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 14511-2		
+7°C/+12°C		
El input	3.47 kW	
Cooling capacity	11.18	
EER	3.22	

ΕN	14	48	2	5
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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
PCK	o w
Annual energy consumption Qce	1116 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
$\eta_{s}$	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



in a morning of the contract of the cont		
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
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	3.2 kW
Annual energy consumption Qhe	4378 kWh	6312 kWh

### Warmer Climate

CEN heat pump KEYMARK

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
$\eta_{s}$	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
$COPTj = +2^{\circ}C$	3.64	2.24
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	6.7 kW	6.2 kW
$COPTj = +7^{\circ}C$	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



# $$\operatorname{\textit{Page}}\xspace$ 68 of 111 This information was generated by the HP KEYMARK database on 18 Mar 2022

Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 kWh



### 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		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





	+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
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1116 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
$\eta_{s}$	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 = $+7^{\circ}$ C	4.6 kW	4.4 kW
COP Tj = +7°C	6.74	4.81
Cdh Tj = +7 °C	1.0	1.0

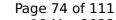


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#### This information was generated by the HP KEYMARK database on 18 Mar 2022

This information was generated by the first target of 15 flar 202			
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	
PCK	o w	o 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	

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
$\eta_{s}$	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
$COP Tj = +2^{\circ}C$	3.64	2.24
Cdh Tj = $+2$ °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	6.7 kW	6.2 kW
$COP Tj = +7^{\circ}C$	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



# $$\operatorname{\textit{Page}}\xspace$ 75 of 111 This information was generated by the HP KEYMARK database on 18 Mar 2022

Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 kWh



# 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
PCK	o w

# 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	
182 %	126 %	
10 kW	10 kW	
	Low temperature	



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		RK database on 18 Mar 202
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
$COP Tj = +2^{\circ}C$	4.37	3.25
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	4.6 kW	4.4 kW
$COPTj = +7^{\circ}C$	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
	+	

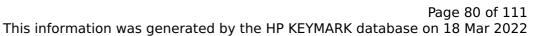




РТО	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	3.2 kW
Annual energy consumption Qhe	4462 kWh	6397 kWh

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
$\eta_{s}$	236 %	161 %
Prated	10 kW	10 kW
SCOP	6.00	4.10
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
$COP Tj = +7^{\circ}C$	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
PCK	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	2228 kWh	3258 kWh

# Domestic Hot Water (DHW)



# Average Climate

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

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	



# 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		

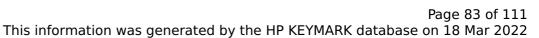
General Data		
Power supply 3x400V 50Hz		

# 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	

El input	3.47 kW
Cooling capacity	11.18
EER	3.22
EN 1482	5





	+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

# Average Climate



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

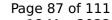
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	186 %	128 %
Prated	10 kW	10 kW
SCOP	4.72	3.27
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.2 kW	7.9 kW
COP Tj = -7°C	3.03	1.89
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	5.5 kW	5.4 kW
COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	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
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	3.2 kW
Annual energy consumption Qhe	4378 kWh	6312 kWh

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
$\eta_{s}$	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
$COPTj = +7^{\circ}C$	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



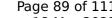


Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 kWh

# Domestic Hot Water (DHW)

# **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





# $$\operatorname{\textit{Page}}$$ 89 of 111 This information was generated by the HP KEYMARK database on 18 Mar 2022

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

# Model: ERLA11DW1 / EBVX11S18D(6V/9W)

Configure model		
Model name	ERLA11DW1 / 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	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	

EER	3.22
EN 148	325





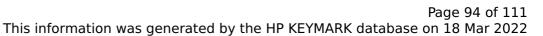
This information was generated by the Hir KL	+7°C/+12°C
Pdesignc	11.00 kW
SEER	5.92
Pdc Tj = 35°C	11.00 kW
EER Tj = 35°C	3.19
Pdc Tj = 30°C	8.10 kW
EER Tj = 30°C	4.94
Cdc	0.990
Pdc Tj = 25°C	5.70 kW
EER Tj = 25°C	7.18
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.47
Cdc	0.970
Poff	23 W
РТО	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1116 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)

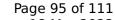
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	186 %	128 %
Prated	10 kW	10 kW
SCOP	4.72	3.27
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.2 kW	7.9 kW
COP Tj = -7°C	3.03	1.89
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = $+2$ °C	5.5 kW	5.4 kW
COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ 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
PCK	o 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

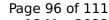
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	44.0 dB(A)	44.0 dB(A)	
Sound power level outdoor	62 dB(A)	62 dB(A)	





#### EN 14825

	Low temperature	Medium temperature
$\eta_{s}$	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
$COPTj = +7^{\circ}C$	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



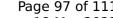


Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 kWh

# Domestic Hot Water (DHW)

# **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	





# $$\operatorname{\textit{Page}}\xspace$ 97 of 111 This information was generated by the HP KEYMARK database on 18 Mar 2022

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



# 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
PCK	o w

# Average Climate

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

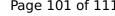
EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	182 %	131 %
Prated	10 kW	10 kW



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#### This information was generated by the HP KEYMARK database on 18 Mar 2022

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
COP Tj = +2°C	4.35	3.25
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	4.6 kW	4.4 kW
$COPTj = +7^{\circ}C$	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
	+	



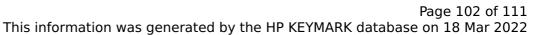


# $$\operatorname{\textit{Page}}\xspace$ 101 of 111 This information was generated by the HP KEYMARK database on 18 Mar 2022

PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	3.2 kW
Annual energy consumption Qhe	4479 kWh	6405 kWh

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			
$\eta_{s}$	237 %	161 %	
Prated	10 kW	10 kW	
SCOP	6.00	4.09	
ГЬіν	3 °C	4 °C	
ГОL	2 °C	2 °C	
Pdh Tj = +2°C	9.2 kW	9.0 kW	





This information was generated by the HERLTMARK database on 16 Mai 2022			
3.80	2.23		
1.0	1.0		
6.7 kW	6.2 kW		
5.70	3.74		
1.0	1.0		
5.2 kW	5.0 kW		
7.87	5.67		
1.0	1.0		
9.2 kW	8.5 kW		
3.80	2.40		
9.76 kW	8.99 kW		
3.64	2.24		
35 °C	55 °C		
23 W	23 W		
23 W	23 W		
23 W	23 W		
o w	o w		
Electricity	Electricity		
0.24 kW	1.01 kW		
2228 kWh	3262 kWh		
	1.0 6.7 kW 5.70 1.0 5.2 kW 7.87 1.0 9.2 kW 3.80 9.76 kW 3.64 35 °C 23 W 23 W 23 W Compared to the state of th		

# Domestic Hot Water (DHW)

# 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	

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	



# 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	

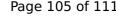
General Data		
Power supply	3x400V 50Hz	

# 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

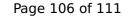




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EN 14511-2			
+7°C/+12°C			
El input	3.47 kW		
Cooling capacity	11.18		
EER	3.22		

#### EN 14825





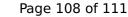
This information was generated by the Fill RE	+7°C/+12°C
Pdesignc	11.00 kW
SEER	5.92
Pdc Tj = 35°C	11.00 kW
EER Tj = 35°C	3.19
Pdc Tj = 30°C	8.10 kW
EER Tj = 30°C	4.94
Cdc	0.990
Pdc Tj = 25°C	5.70 kW
EER Tj = 25°C	7.18
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.47
Cdc	0.970
Poff	23 W
РТО	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1116 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)

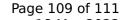
EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	186 %	128 %
Prated	10 kW	10 kW
SCOP	4.72	3.27
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.2 kW	7.9 kW
COP Tj = -7°C	3.03	1.89
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = $+2$ °C	5.5 kW	5.4 kW
COP Tj = +2°C	4.37	3.25
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ 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
PCK	o 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

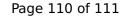
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	44.0 dB(A)	44.0 dB(A)	
Sound power level outdoor	62 dB(A)	62 dB(A)	





#### EN 14825

	Low temperature	Medium temperature
$\eta_{s}$	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
$COPTj = +7^{\circ}C$	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



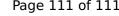


Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.24 kW	1.01 kW
Annual energy consumption Qhe	2126 kWh	3157 kWh

# Domestic Hot Water (DHW)

# 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	





# $$\operatorname{\textit{Page}}\ 111$$ of 111 This information was generated by the HP KEYMARK database on 18 Mar 2022

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	