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Summary of	DAIKIN ALTHERMA 3 R F+W 16KW (180L)	Reg. No.	011-1W0500
Certificate Holder			
Name	DAIKIN Europe N.V.		
Address	Zandvoordestraat 300	Zip	B-8400
City	Oostende	Country	Belgium
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	DAIKIN ALTHERMA 3 R F+W 16KW (180L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	3.8 kg		
Certification Date	10.11.2021		
Testing basis	HP KEYMARK certification scheme rules rev. 8		

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

Configure model	
Model name	ERLA16DV3 / EBBH16D(6V/9W)
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2**+7°C/+12°C**

El input

4.68 kW

Cooling capacity

13.63

EER

2.91

EN 14825

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

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

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	237 %	168 %
Prated	12.0 kW	12.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2675 kWh	3792 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

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

Configure model	
Model name	ERLA16DV3 / EBBH16D(6V/9W) + cooling kit
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2	
	+7°C/+12°C
El input	4.68 kW
Cooling capacity	13.63
EER	2.91

EN 14825

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

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

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

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

Configure model	
Model name	ERLA16DV3 / EBBX16D(6V/9W)
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2**+7°C/+12°C**

El input

4.68 kW

Cooling capacity

13.63

EER

2.91

EN 14825

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

	+7°C/+12°C
P _{designc}	13.60 kW
SEER	5.76
P _{dc Tj = 35°C}	13.60 kW
EER T _{j = 35°C}	2.88
P _{dc Tj = 30°C}	9.70 kW
EER T _{j = 30°C}	4.58
C _{dc}	0.990
P _{dc Tj = 25°C}	6.20 kW
EER T _{j = 25°C}	6.99
C _{dc}	0.980
P _{dc Tj = 20°C}	6.20 kW
EER T _{j = 20°C}	6.99
C _{dc}	0.980
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	1417 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

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

Configure model	
Model name	ERLA16DV3 / EBVH16S18D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2

	+7°C/+12°C
El input	4.68 kW
Cooling capacity	13.63
EER	2.91

EN 14825

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

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

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	237 %	168 %
Prated	12.0 kW	12.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2675 kWh	3792 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 l

Average Climate

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

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

Configure model	
Model name	ERLA16DV3 / EBVH16S18D(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2**+7°C/+12°C**

El input

4.68 kW

Cooling capacity

13.63

EER

2.91

EN 14825

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

	+7°C/+12°C
P _{designc}	13.60 kW
SEER	5.76
P _{dc Tj = 35°C}	13.60 kW
EER T _{j = 35°C}	2.88
P _{dc Tj = 30°C}	9.70 kW
EER T _{j = 30°C}	4.58
C _{dc}	0.990
P _{dc Tj = 25°C}	6.20 kW
EER T _{j = 25°C}	6.99
C _{dc}	0.980
P _{dc Tj = 20°C}	6.20 kW
EER T _{j = 20°C}	6.99
C _{dc}	0.980
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	1417 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 l

Average Climate

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

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

Configure model	
Model name	ERLA16DV3 / EBVX16S18D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2

	+7°C/+12°C
El input	4.68 kW
Cooling capacity	13.63
EER	2.91

EN 14825

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

	+7°C/+12°C
P _{designc}	13.60 kW
SEER	5.76
P _{dc Tj = 35°C}	13.60 kW
EER T _{j = 35°C}	2.88
P _{dc Tj = 30°C}	9.70 kW
EER T _{j = 30°C}	4.58
C _{dc}	0.990
P _{dc Tj = 25°C}	6.20 kW
EER T _{j = 25°C}	6.99
C _{dc}	0.980
P _{dc Tj = 20°C}	6.20 kW
EER T _{j = 20°C}	6.99
C _{dc}	0.980
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	1417 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 l

Average Climate

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

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

Configure model	
Model name	ERLA16DV3 / EBVZ16S18D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2

	+7°C/+12°C
El input	4.68 kW
Cooling capacity	13.63
EER	2.91

EN 14825

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

	+7°C/+12°C
P _{designc}	13.60 kW
SEER	5.76
P _{dc Tj = 35°C}	13.60 kW
EER T _{j = 35°C}	2.88
P _{dc Tj = 30°C}	9.70 kW
EER T _{j = 30°C}	4.58
C _{dc}	0.990
P _{dc Tj = 25°C}	6.20 kW
EER T _{j = 25°C}	6.99
C _{dc}	0.980
P _{dc Tj = 20°C}	6.20 kW
EER T _{j = 20°C}	6.99
C _{dc}	0.980
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	1417 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	237 %	168 %
Prated	12.0 kW	12.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2675 kWh	3792 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 l

Average Climate

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

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

Configure model	
Model name	ERLA16DV3 / EBVZ16S18D(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2

	+7°C/+12°C
El input	4.68 kW
Cooling capacity	13.63
EER	2.91

EN 14825

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

	+7°C/+12°C
P _{designc}	13.60 kW
SEER	5.76
P _{dc Tj = 35°C}	13.60 kW
EER T _{j = 35°C}	2.88
P _{dc Tj = 30°C}	9.70 kW
EER T _{j = 30°C}	4.58
C _{dc}	0.990
P _{dc Tj = 25°C}	6.20 kW
EER T _{j = 25°C}	6.99
C _{dc}	0.980
P _{dc Tj = 20°C}	6.20 kW
EER T _{j = 20°C}	6.99
C _{dc}	0.980
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	1417 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 l

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	116 %
COP	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: ERLA16DW1 / EBBH16D(6V/9W)

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

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2**+7°C/+12°C**

El input

4.68 kW

Cooling capacity

13.63

EER

2.91

EN 14825

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

	+7°C/+12°C
P _{designc}	13.60 kW
SEER	5.76
P _{dc Tj = 35°C}	13.60 kW
EER T _{j = 35°C}	2.88
P _{dc Tj = 30°C}	9.70 kW
EER T _{j = 30°C}	4.58
C _{dc}	0.990
P _{dc Tj = 25°C}	6.20 kW
EER T _{j = 25°C}	6.99
C _{dc}	0.980
P _{dc Tj = 20°C}	6.20 kW
EER T _{j = 20°C}	6.99
C _{dc}	0.980
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	1417 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	237 %	168 %
Prated	12.0 kW	12.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2675 kWh	3792 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

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

Configure model	
Model name	ERLA16DW1 / EBBH16D(6V/9W) + cooling kit
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2

	+7°C/+12°C
El input	4.68 kW
Cooling capacity	13.63
EER	2.91

EN 14825

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

	+7°C/+12°C
P _{designc}	13.60 kW
SEER	5.76
P _{dc Tj = 35°C}	13.60 kW
EER T _{j = 35°C}	2.88
P _{dc Tj = 30°C}	9.70 kW
EER T _{j = 30°C}	4.58
C _{dc}	0.990
P _{dc Tj = 25°C}	6.20 kW
EER T _{j = 25°C}	6.99
C _{dc}	0.980
P _{dc Tj = 20°C}	6.20 kW
EER T _{j = 20°C}	6.99
C _{dc}	0.980
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	1417 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

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

Configure model	
Model name	ERLA16DW1 / EBBX16D(6V/9W)
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2**+7°C/+12°C**

El input

4.68 kW

Cooling capacity

13.63

EER

2.91

EN 14825

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

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

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

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

Configure model	
Model name	ERLA16DW1 / EBVH16S18D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2	
	+7°C/+12°C
El input	4.68 kW
Cooling capacity	13.63
EER	2.91

EN 14825

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

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

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	237 %	168 %
Prated	12.0 kW	12.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2675 kWh	3792 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 l

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	116 %
COP	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: **ERLA16DW1 / EBVH16S18D(6V/9W) + cooling kit**

Configure model	
Model name	ERLA16DW1 / EBVH16S18D(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2**+7°C/+12°C**

El input

4.68 kW

Cooling capacity

13.63

EER

2.91

EN 14825

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

	+7°C/+12°C
P _{designc}	13.60 kW
SEER	5.76
P _{dc Tj = 35°C}	13.60 kW
EER T _{j = 35°C}	2.88
P _{dc Tj = 30°C}	9.70 kW
EER T _{j = 30°C}	4.58
C _{dc}	0.990
P _{dc Tj = 25°C}	6.20 kW
EER T _{j = 25°C}	6.99
C _{dc}	0.980
P _{dc Tj = 20°C}	6.20 kW
EER T _{j = 20°C}	6.99
C _{dc}	0.980
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	1417 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 l

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	116 %
COP	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: ERLA16DW1 / EBVX16S18D(6V/9W)

Configure model	
Model name	ERLA16DW1 / EBVX16S18D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2**+7°C/+12°C**

El input

4.68 kW

Cooling capacity

13.63

EER

2.91

EN 14825

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

	+7°C/+12°C
P _{designc}	13.60 kW
SEER	5.76
P _{dc Tj = 35°C}	13.60 kW
EER T _{j = 35°C}	2.88
P _{dc Tj = 30°C}	9.70 kW
EER T _{j = 30°C}	4.58
C _{dc}	0.990
P _{dc Tj = 25°C}	6.20 kW
EER T _{j = 25°C}	6.99
C _{dc}	0.980
P _{dc Tj = 20°C}	6.20 kW
EER T _{j = 20°C}	6.99
C _{dc}	0.980
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	1417 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 l

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	116 %
COP	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: **ERLA16DW1 / EBVZ16S18D(6V/9W)**

Configure model	
Model name	ERLA16DW1 / EBVZ16S18D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2	
	+7°C/+12°C
El input	4.68 kW
Cooling capacity	13.63
EER	2.91

EN 14825

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

	+7°C/+12°C
P _{designc}	13.60 kW
SEER	5.76
P _{dc Tj = 35°C}	13.60 kW
EER T _{j = 35°C}	2.88
P _{dc Tj = 30°C}	9.70 kW
EER T _{j = 30°C}	4.58
C _{dc}	0.990
P _{dc Tj = 25°C}	6.20 kW
EER T _{j = 25°C}	6.99
C _{dc}	0.980
P _{dc Tj = 20°C}	6.20 kW
EER T _{j = 20°C}	6.99
C _{dc}	0.980
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	1417 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	237 %	168 %
Prated	12.0 kW	12.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2675 kWh	3792 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 l

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	116 %
COP	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: ERLA16DW1 / EBVZ16S18D(6V/9W) + cooling kit

Configure model	
Model name	ERLA16DW1 / EBVZ16S18D(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

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

Cooling

EN 14511-2	
	+7°C/+12°C
El input	4.68 kW
Cooling capacity	13.63
EER	2.91

EN 14825

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

	+7°C/+12°C
P _{designc}	13.60 kW
SEER	5.76
P _{dc Tj = 35°C}	13.60 kW
EER T _{j = 35°C}	2.88
P _{dc Tj = 30°C}	9.70 kW
EER T _{j = 30°C}	4.58
C _{dc}	0.990
P _{dc Tj = 25°C}	6.20 kW
EER T _{j = 25°C}	6.99
C _{dc}	0.980
P _{dc Tj = 20°C}	6.20 kW
EER T _{j = 20°C}	6.99
C _{dc}	0.980
P _{off}	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Q _{ce}	1417 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	246 %	172 %
Prated	12.0 kW	12.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.30	2.17
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	8.1 kW	7.6 kW
COP Tj = +7°C	5.64	3.83
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.2 kW	5.0 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1.0	1.0

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

Pdh Tj = Tbiv	11.9 kW	11.0 kW
COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
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	0.08 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature

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

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

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

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

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244.0 l

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	116 %
COP	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