Login

Summary of	DAIKIN ALTHERMA 3 R F 14KW (230L)	Reg. No.	011-1W0496
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 14KW (230L)		
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: ERLA14DV3 / EBVH16S23D(6V/9W)

Configure model	
Model name	ERLA14DV3 / EBVH16S23D(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

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW

COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
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	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 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	239 %	166 %
Prated	11 kW	12.1 kW
SCOP	6.04	4.23
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	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
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.21
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	0.05 kW	2.04 kW
Annual energy consumption Qhe	2431 kWh	3818 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1314 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.34 kW
Cooling capacity	12.92
EER	2.98

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
COP	2.63
Heating up time	1:11 h:min
Standby power input	43.2 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
COP	3.00
Heating up time	1:10 h:min
Standby power input	37.6 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Model: ERLA14DW1 / EBVH16S23D(6V/9W)

Configure model	
Model name	ERLA14DW1 / EBVH16S23D(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

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW

COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
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	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 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	239 %	166 %
Prated	11 kW	12.1 kW
SCOP	6.04	4.23
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	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
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.53	2.22
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	0.05 kW	2.04 kW
Annual energy consumption Qhe	2431 kWh	3818 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1314 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.34 kW
Cooling capacity	12.92
EER	2.98

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
COP	2.63
Heating up time	1:11 h:min
Standby power input	43.2 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
COP	3.00
Heating up time	1:10 h:min
Standby power input	37.6 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Model: ERLA14DV3 / EBVH16SU23D6V

Configure model	
Model name	ERLA14DV3 / EBVH16SU23D6V
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

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW

COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
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	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 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	239 %	166 %
Prated	11 kW	12.1 kW
SCOP	6.04	4.23
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	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
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.54	2.23
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	0.05 kW	2.04 kW
Annual energy consumption Qhe	2431 kWh	3818 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1314 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.34 kW
Cooling capacity	12.92
EER	2.98

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
COP	2.63
Heating up time	1:11 h:min
Standby power input	43.2 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
COP	3.00
Heating up time	1:10 h:min
Standby power input	37.6 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Model: ERLA14DW1 / EBVH16SU23D6V

Configure model	
Model name	ERLA14DW1 / EBVH16SU23D6V
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

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW

COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
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	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 kWh

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	44 dB(A)	44 dB(A)
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EN 14825		
	Low temperature	**Medium temperature**
η_s	239 %	166 %
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Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	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
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.55	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	0.05 kW	2.04 kW
Annual energy consumption Qhe	2431 kWh	3818 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1314 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.34 kW
Cooling capacity	12.92
EER	2.98

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
COP	2.63
Heating up time	1:11 h:min
Standby power input	43.2 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
COP	3.00
Heating up time	1:10 h:min
Standby power input	37.6 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Model: ERLA14DV3 / EBVX16S23D(6V/9W)

Configure model	
Model name	ERLA14DV3 / EBVX16S23D(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

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW

COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
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	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 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	249 %	171 %
Prated	11 kW	12.1 kW
SCOP	6.31	4.35
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	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
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.56	2.25
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	0.05 kW	2.04 kW
Annual energy consumption Qhe	2330 kWh	3717 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1314 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.34 kW
Cooling capacity	12.92
EER	2.98

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
COP	2.63
Heating up time	1:11 h:min
Standby power input	43.2 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
COP	3.00
Heating up time	1:10 h:min
Standby power input	37.6 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Model: ERLA14DW1 / EBVX16S23D(6V/9W)

Configure model	
Model name	ERLA14DW1 / EBVX16S23D(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

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW

COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
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	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 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	249 %	171 %
Prated	11 kW	12.1 kW
SCOP	6.31	4.35
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	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
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.57	2.26
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	0.05 kW	2.04 kW
Annual energy consumption Qhe	2330 kWh	3717 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1314 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.34 kW
Cooling capacity	12.92
EER	2.98

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
COP	2.63
Heating up time	1:11 h:min
Standby power input	43.2 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
COP	3.00
Heating up time	1:10 h:min
Standby power input	37.6 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Model: ERLA14DV3 / EBVZ16S23D(6V/9W)

Configure model	
Model name	ERLA14DV3 / EBVZ16S23D(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

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW

COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
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	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 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	239 %	166 %
Prated	11 kW	12.1 kW
SCOP	6.04	4.23
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	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
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.58	2.27
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	0.05 kW	2.04 kW
Annual energy consumption Qhe	2431 kWh	3818 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1314 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.34 kW
Cooling capacity	12.92
EER	2.98

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
COP	2.63
Heating up time	1:11 h:min
Standby power input	43.2 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
COP	3.00
Heating up time	1:10 h:min
Standby power input	37.6 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Model: ERLA14DW1 / EBVZ16S23D(6V/9W)

Configure model	
Model name	ERLA14DW1 / EBVZ16S23D(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

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	126 %
Prated	11 kW	11 kW
SCOP	4.60	3.22
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.8 kW	8.5 kW

COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
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	1.9 kW	4.0 kW
Annual energy consumption Qhe	4935 kWh	7047 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	239 %	166 %
Prated	11 kW	12.1 kW
SCOP	6.04	4.23
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW
COP Tj = +7°C	5.77	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
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.59	2.28
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	0.05 kW	2.04 kW
Annual energy consumption Qhe	2431 kWh	3818 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1314 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.34 kW
Cooling capacity	12.92
EER	2.98

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
COP	2.63
Heating up time	1:11 h:min
Standby power input	43.2 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
COP	3.00
Heating up time	1:10 h:min
Standby power input	37.6 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Model: ERLA14DV3 / EBVH16S23D(6V/9W) + cooling kit

Configure model	
Model name	ERLA14DV3 / EBVH16S23D(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

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
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	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 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	249 %	171 %
Prated	11 kW	12.1 kW
SCOP	6.31	4.35
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW

COP Tj = +7°C	5.77	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
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.60	2.29
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	0.05 kW	2.04 kW
Annual energy consumption Qhe	2330 kWh	3717 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1314 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.34 kW
Cooling capacity	12.92
EER	2.98

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
COP	2.63
Heating up time	1:11 h:min
Standby power input	43.2 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
COP	3.00
Heating up time	1:10 h:min
Standby power input	37.6 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Model: ERLA14DW1 / EBVH16S23D(6V/9W) + cooling kit

Configure model	
Model name	ERLA14DW1 / EBVH16S23D(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

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
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	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 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	249 %	171 %
Prated	11 kW	12.1 kW
SCOP	6.31	4.35
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW

COP Tj = +7°C	5.77	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
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.61	2.30
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	0.05 kW	2.04 kW
Annual energy consumption Qhe	2330 kWh	3717 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1314 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.34 kW
Cooling capacity	12.92
EER	2.98

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
COP	2.63
Heating up time	1:11 h:min
Standby power input	43.2 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
COP	3.00
Heating up time	1:10 h:min
Standby power input	37.6 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Model: ERLA14DV3 / EBVZ16S23D(6V/9W) + cooling kit

Configure model	
Model name	ERLA14DV3 / EBVZ16S23D(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

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
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	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 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	249 %	171 %
Prated	11 kW	12.1 kW
SCOP	6.31	4.35
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW

COP Tj = +7°C	5.77	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
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.62	2.31
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	0.05 kW	2.04 kW
Annual energy consumption Qhe	2330 kWh	3717 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1314 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.34 kW
Cooling capacity	12.92
EER	2.98

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
COP	2.63
Heating up time	1:11 h:min
Standby power input	43.2 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
COP	3.00
Heating up time	1:10 h:min
Standby power input	37.6 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Model: ERLA14DW1 / EBVZ16S23D(6V/9W) + cooling kit

Configure model	
Model name	ERLA14DW1 / EBVZ16S23D(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

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	184 %	128 %
Prated	11 kW	11 kW
SCOP	4.68	3.26
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	9.8 kW	8.5 kW
COP Tj = -7°C	2.99	1.80
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.1 kW	6.2 kW
COP Tj = +2°C	4.35	3.28
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.6 kW	4.4 kW
COP Tj = +7°C	6.70	4.88
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	5.4 kW	5.3 kW
COP Tj = 12°C	8.65	6.58
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	9.8 kW	8.9 kW
COP Tj = Tbiv	2.99	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.1 kW	7.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.76
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	1.9 kW	4.0 kW
Annual energy consumption Qhe	4851 kWh	6962 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	249 %	171 %
Prated	11 kW	12.1 kW
SCOP	6.31	4.35
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.0 kW	10.1 kW
COP Tj = +2°C	3.51	2.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	7.4 kW	7.6 kW

COP Tj = +7°C	5.77	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
Pdh Tj = Tbiv	11.0 kW	11.1 kW
COP Tj = Tbiv	3.51	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.95 kW	10.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.63	2.32
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	0.05 kW	2.04 kW
Annual energy consumption Qhe	2330 kWh	3717 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.90 kW
SEER	5.86
Pdc Tj = 35°C	12.90 kW
EER Tj = 35°C	2.96
Pdc Tj = 30°C	8.80 kW
EER Tj = 30°C	4.77
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	7.00
Cdc	0.970
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.88
Cdc	0.960
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1314 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.34 kW
Cooling capacity	12.92
EER	2.98

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89

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

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
COP	2.63
Heating up time	1:11 h:min
Standby power input	43.2 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	124 %
COP	3.00
Heating up time	1:10 h:min
Standby power input	37.6 W
Reference hot water temperature	51.5 °C
Mixed water at 40°C	295.0 l