Login

Summary of	DAIKIN ALTHERMA 3 R F 16KW (230L)	Reg. No.	011-1W0497
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 16KW (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: ERLA16DV3 / EBVH16S23D(6V/9W)

Configure model	
Model name	ERLA16DV3 / EBVH16S23D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
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

	+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	5.90 kW
EER Tj = 20°C	8.69
Cdc	0.970
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	130 %
Prated	12 kW	12 kW
SCOP	4.61	3.32
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

Pdh Tj = 12°C	5.5 kW	5.3 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	6.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	1.4 kW	6.1 kW
Annual energy consumption Qhe	5377 kWh	7477 kWh

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

Model: ERLA16DV3 / EBVX16S23D(6V/9W)

Configure model	
Model name	ERLA16DV3 / EBVX16S23D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
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
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EN 14825

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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	5.90 kW
EER Tj = 20°C	8.69
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Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 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		
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η_s	184 %	131 %
Prated	12 kW	12 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
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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	1.4 kW	6.1 kW
Annual energy consumption Qhe	5293 kWh	7392 kWh

Domestic Hot Water (DHW)

Average Climate

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Model: ERLA16DW1 / EBVH16S23D(6V/9W)

Configure model	
Model name	ERLA16DW1 / EBVH16S23D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
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

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COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
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Pdh Tj = 12°C	5.5 kW	5.3 kW
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Pdh Tj = Tbiv	11.4 kW	10.1 kW
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WTOL	35 °C	55 °C
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	6.1 kW
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Configure model	
Model name	ERLA16DW1 / EBVX16S23D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	3x400V 50Hz

Heating

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	Low temperature	**Medium temperature**
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Annual energy consumption Qce	1417 kWh

Average Climate

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	Low temperature	**Medium temperature**
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	6.1 kW
Annual energy consumption Qhe	5293 kWh	7392 kWh

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

Model: ERLA16DV3 / EBVZ16S23D(6V/9W)

Configure model	
Model name	ERLA16DV3 / EBVZ16S23D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
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
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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
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EN 14825

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Poff	23 W
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PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Average Climate

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	Low temperature	**Medium temperature**
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EN 14825		
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Prated	12 kW	12 kW
SCOP	4.61	3.32
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COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
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Pdh Tj = 12°C	5.5 kW	5.3 kW
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PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	6.1 kW
Annual energy consumption Qhe	5377 kWh	7477 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

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Model: ERLA16DW1 / EBVZ16S23D(6V/9W)

Configure model	
Model name	ERLA16DW1 / EBVZ16S23D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

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Model: ERLA16DV3 / EBVH16SU23D6V

Configure model	
Model name	ERLA16DV3 / EBVH16SU23D6V
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

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Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

Pdh Tj = 12°C	5.5 kW	5.3 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	6.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	1.4 kW	6.1 kW
Annual energy consumption Qhe	5377 kWh	7477 kWh

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

Model: ERLA16DW1 / EBVH16SU23D6V

Configure model	
Model name	ERLA16DW1 / EBVH16SU23D6V
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
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

	+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	5.90 kW
EER Tj = 20°C	8.69
Cdc	0.970
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	130 %
Prated	12 kW	12 kW
SCOP	4.61	3.32
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

Pdh Tj = 12°C	5.5 kW	5.3 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	6.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	1.4 kW	6.1 kW
Annual energy consumption Qhe	5377 kWh	7477 kWh

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

Model: ERLA16DV3 / EBVH16S23D(6V/9W) + cooling kit

Configure model	
Model name	ERLA16DV3 / EBVH16S23D(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
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

	+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	5.90 kW
EER Tj = 20°C	8.69
Cdc	0.970
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	184 %	131 %
Prated	12 kW	12 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

Pdh Tj = 12°C	5.5 kW	5.3 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	6.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	1.4 kW	6.1 kW
Annual energy consumption Qhe	5293 kWh	7392 kWh

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

Model: ERLA16DW1 / EBVH16S23D(6V/9W) + cooling kit

Configure model	
Model name	ERLA16DW1 / EBVH16S23D(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
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

	+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	5.90 kW
EER Tj = 20°C	8.69
Cdc	0.970
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	184 %	131 %
Prated	12 kW	12 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

Pdh Tj = 12°C	5.5 kW	5.3 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	6.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	1.4 kW	6.1 kW
Annual energy consumption Qhe	5293 kWh	7392 kWh

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

Model: ERLA16DV3 / EBVZ16S23D(6V/9W) + cooling kit

Configure model	
Model name	ERLA16DV3 / EBVZ16S23D(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
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

	+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	5.90 kW
EER Tj = 20°C	8.69
Cdc	0.970
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	184 %	131 %
Prated	12 kW	12 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

Pdh Tj = 12°C	5.5 kW	5.3 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	6.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	1.4 kW	6.1 kW
Annual energy consumption Qhe	5293 kWh	7392 kWh

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

Model: ERLA16DW1 / EBVZ16S23D(6V/9W) + cooling kit

Configure model	
Model name	ERLA16DW1 / EBVZ16S23D(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
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

	+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	5.90 kW
EER Tj = 20°C	8.69
Cdc	0.970
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	184 %	131 %
Prated	12 kW	12 kW
SCOP	4.68	3.35
Tbiv	-8 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

Pdh Tj = 12°C	5.5 kW	5.3 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	6.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	1.4 kW	6.1 kW
Annual energy consumption Qhe	5293 kWh	7392 kWh

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