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Summary of	DAIKIN ALTHERMA 3 R F 16KW (230L)	Reg. No.	011-1W0497
Certificate Holder	Certificate Holder		
Name	DAIKIN Europe N.V.		
Address	Zandvoordestraat 300	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
СОР	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



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

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

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5.5 kW	5.3 kW
8.82	6.60
1.0	1.0
11.4 kW	10.1 kW
2.72	2.13
10.6 kW	6.0 kW
2.52	1.50
1.000	1.000
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	0 W
Electricity	Electricity
1.4 kW	6.1 kW
5377 kWh	7477 kWh
	8.82  1.0  11.4 kW  2.72  10.6 kW  2.52  1.000  35 °C  23 W  23 W  23 W  0 W  Electricity  1.4 kW

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
СОР	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	
СОР	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

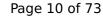
### Cooling





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

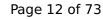




EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

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

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5.5 kW	5.3 kW
8.82	6.60
1.0	1.0
11.4 kW	10.1 kW
2.72	2.13
10.6 kW	6.0 kW
2.52	1.50
1.000	1.000
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	0 W
Electricity	Electricity
1.4 kW	6.1 kW
5293 kWh	7392 kWh
	8.82  1.0  11.4 kW  2.72  10.6 kW  2.52  1.000  35 °C  23 W  23 W  23 W  0 W  Electricity  1.4 kW

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	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	



# 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	

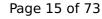
General Data		
Power supply	3x400V 50Hz	

### Heating

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

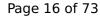
## Cooling





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



# CEN heat pump KEYMARK

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

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

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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
РТО	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	6.1 kW
Annual energy consumption Qhe	5377 kWh	7477 kWh

### Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	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	



# Model: ERLA16DW1 / EBVX16S23D(6V/9W)

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	

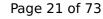
General Data		
Power supply	3x400V 50Hz	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
СОР	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 Hill RE	+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
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1417 kWh

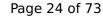




EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

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

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5.5 kW	5.3 kW
8.82	6.60
1.0	1.0
11.4 kW	10.1 kW
2.72	2.13
10.6 kW	6.0 kW
2.52	1.50
1.000	1.000
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	0 W
Electricity	Electricity
1.4 kW	6.1 kW
5293 kWh	7392 kWh
	8.82  1.0  11.4 kW  2.72  10.6 kW  2.52  1.000  35 °C  23 W  23 W  23 W  0 W  Electricity  1.4 kW

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	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	



# 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	
El input	3.53 kW	5.68 kW	
СОР	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
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1417 kWh





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
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EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	181 %	130 %
Prated	12 kW	12 kW
SCOP	4.61	3.32
Tbiv	-8 °C	-5 °C
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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

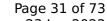
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5.5 kW 8.82	5.3 kW
8.82	
	6.60
1.0	1.0
11.4 kW	10.1 kW
2.72	2.13
10.6 kW	6.0 kW
2.52	1.50
1.000	1.000
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
o w	0 W
Electricity	Electricity
1.4 kW	6.1 kW
5377 kWh	7477 kWh
	11.4 kW  2.72  10.6 kW  2.52  1.000  35 °C  23 W  23 W  23 W  Electricity  1.4 kW

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	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	



# 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	

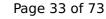
General Data		
Power supply	3x400V 50Hz	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
СОР	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 Hill RE	+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
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EER Tj = 25°C	6.99
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Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.69
Cdc	0.970
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1417 kWh



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

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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
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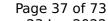
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5.5 kW 8.82	5.3 kW
8.82	
	6.60
1.0	1.0
11.4 kW	10.1 kW
2.72	2.13
10.6 kW	6.0 kW
2.52	1.50
1.000	1.000
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
o w	0 W
Electricity	Electricity
1.4 kW	6.1 kW
5377 kWh	7477 kWh
	11.4 kW  2.72  10.6 kW  2.52  1.000  35 °C  23 W  23 W  23 W  Electricity  1.4 kW

### Domestic Hot Water (DHW)





EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
СОР	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

# 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	

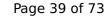
General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
СОР	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
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1417 kWh





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

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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
$COP Tj = -7^{\circ}C$	2.87	1.95
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = $+2^{\circ}$ C	6.7 kW	6.9 kW
$COP Tj = +2^{\circ}C$	4.33	3.27
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	4.7 kW	4.4 kW
$COP Tj = +7^{\circ}C$	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

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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
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	6.1 kW
Annual energy consumption Qhe	5377 kWh	7477 kWh

## Domestic Hot Water (DHW)



EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
СОР	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

# 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	
СОР	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 Hill RE	+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
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1417 kWh



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

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





5.5 kW	5.3 kW
8.82	6.60
1.0	1.0
11.4 kW	10.1 kW
2.72	2.13
10.6 kW	6.0 kW
2.52	1.50
1.000	1.000
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	o w
Electricity	Electricity
1.4 kW	6.1 kW
5377 kWh	7477 kWh
	8.82  1.0  11.4 kW  2.72  10.6 kW  2.52  1.000  35 °C  23 W  23 W  23 W  0 W  Electricity  1.4 kW

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	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	



# 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	

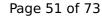
	General Data	
Power supply	1x230V 50Hz	

## Heating

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

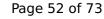
### Cooling





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
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1417 kWh

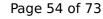




EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	62.0 dB(A)	62.0 dB(A)

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

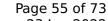
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Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.60
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.4 kW	10.1 kW
COP Tj = Tbiv	2.72	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.6 kW	6.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	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
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	6.1 kW
Annual energy consumption Qhe	5293 kWh	7392 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	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	

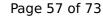
## Heating

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

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

### Cooling

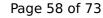
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EN 14511-2	
	+7°C/+12°C
El input	4.68 kW
Cooling capacity	13.63
EER	2.91

#### 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
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1417 kWh



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

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EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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 = $+2^{\circ}$ 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 = $+7^{\circ}$ C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

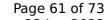
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5.5 kW	5.3 kW
8.82	6.60
1.0	1.0
11.4 kW	10.1 kW
2.72	2.13
10.6 kW	6.0 kW
2.52	1.50
1.000	1.000
35 °C	55 °C
23 W	23 W
23 W	23 W
23 W	23 W
0 W	0 W
Electricity	Electricity
1.4 kW	6.1 kW
5293 kWh	7392 kWh
	8.82  1.0  11.4 kW  2.72  10.6 kW  2.52  1.000  35 °C  23 W  23 W  23 W  0 W  Electricity  1.4 kW

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	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	



# 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	

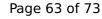
General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	16.00 kW	15.63 kW	
El input	3.53 kW	5.68 kW	
СОР	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
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1417 kWh





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

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

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5.3 kW 6.60 1.0 10.1 kW
1.0
10.1 kW
2.13
6.0 kW
1.50
1.000
55 °C
23 W
23 W
23 W
0 W
Electricity
6.1 kW
7392 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	109 %	
СОР	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	

# 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
СОР	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	

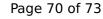
### Cooling





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

#### EN 14825





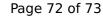
	+7°C/+12°C
Pdesignc	13.60 kW
SEER	5.76
Pdc Tj = 35°C	13.60 kW
EER Tj = 35°C	2.88
Pdc Tj = 30°C	9.70 kW
EER Tj = 30°C	4.58
Cdc	0.990
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	6.99
Cdc	0.980
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.69
Cdc	0.970
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh



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

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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 = $+7^{\circ}$ C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1.0	1.0

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This information was generated by the HEREMARK database on 25 July 2022			
5.5 kW	5.3 kW		
8.82	6.60		
1.0	1.0		
11.4 kW	10.1 kW		
2.72	2.13		
10.6 kW	6.0 kW		
2.52	1.50		
1.000	1.000		
35 °C	55 °C		
23 W	23 W		
23 W	23 W		
23 W	23 W		
o w	o w		
Electricity	Electricity		
1.4 kW	6.1 kW		
5293 kWh	7392 kWh		
	5.5 kW  8.82  1.0  11.4 kW  2.72  10.6 kW  2.52  1.000  35 °C  23 W  23 W  23 W  Compared to the compared to t		

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	XL
Efficiency ηDHW	109 %
СОР	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