Subtype DAIKIN ALTHERMA 3 R F+W (7) 16 kW (180L)

Certificate Holder	DAIKIN Europe N.V.
Address	Zandvoordestraat 300
ZIP	B-8400
City	Oostende
Country	BE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	DAIKIN ALTHERMA 3 R F+W (7) 16 kW (180L)
Registration number	011-1W0568
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	3.8 kg
Certification Date	21.12.2022
Testing basis	European KEYMARK Scheme for Heat Pumps Rev.10

Model ERLA16DV37 / EBBH16D(6V/9W)	
Model name	ERLA16DV37 / EBBH16D(6V/9W)
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate		
	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 | Average Climate		
	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	237 %	162 %
Prated	12 kW	14.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.1 kW
COP Tj = +7°C	5.64	3.7
Cdh Tj = +7 °C	1	1

Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2675 kWh	4576 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	
EER Tj = 25°C	6.99	
Cdc Tj = 25 °C	0.98	
Pdc Tj = 20°C	5.9 kW	
EER Tj = 20°C	8.69	
Cdc Tj = 20 °C	0.97	
Poff	23 W	
PTO	23 W	
PSB	23 W	
PCK	0 W	
Annual energy consumption Qce	1417 kWh	

Model ERLA16DV37 / EBBX16D(6V/9W)	
Model name	ERLA16DV37 / EBBX16D(6V/9W)
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	

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

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate		
	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 | Average Climate		
	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	246 %	165 %
Prated	12 kW	14.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.06 kW
COP Tj = +7°C	5.64	3.7

Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.4
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2573 kWh	4474 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	
EER Tj = 25°C	6.99	
Cdc Tj = 25 °C	0.98	
Pdc Tj = 20°C	5.9 kW	
EER Tj = 20°C	8.69	
Cdc Tj = 20 °C	0.97	
Poff	23 W	
PTO	23 W	
PSB	23 W	
PCK	0 W	
Annual energy consumption Qce	1417 kWh	

Model ERLA16DV37 / EBVH16S18D(6V/9W)	
Model name	ERLA16DV37 / EBVH16S18D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	116 %
COP	2.73
Heating up time	1:21 h:min
Standby power input	42 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l

EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l

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

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	237 %	162 %
Prated	12 kW	14.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.1 kW
COP Tj = +7°C	5.64	3.7
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2675 kWh	4576 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	

EER Tj = 25°C	6.99
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	5.9 kW
EER Tj = 20°C	8.69
Cdc Tj = 20 °C	0.97
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Model ERLA16DV37 / EBVX16S18D(6V/9W)	
Model name	ERLA16DV37 / EBVX16S18D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	116 %
COP	2.73
Heating up time	1:21 h:min
Standby power input	42 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l

EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l

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

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	246 %	165 %
Prated	12 kW	14.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.06 kW
COP Tj = +7°C	5.64	3.7
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.4
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2573 kWh	4474 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	

EER Tj = 25°C	6.99
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	5.9 kW
EER Tj = 20°C	8.69
Cdc Tj = 20 °C	0.97
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Model ERLA16DV37 / EBVZ16S18D(6V/9W)	
Model name	ERLA16DV37 / EBVZ16S18D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	116 %
COP	2.73
Heating up time	1:21 h:min
Standby power input	42 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l

EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l

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

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	237 %	162 %
Prated	12 kW	14.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.1 kW
COP Tj = +7°C	5.64	3.7
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2675 kWh	4576 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	

EER Tj = 25°C	6.99
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	5.9 kW
EER Tj = 20°C	8.69
Cdc Tj = 20 °C	0.97
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Model ERLA16DV37 / EBBH16D(6V/9W) + cooling kit	
Model name	ERLA16DV37 / EBBH16D(6V/9W) + cooling kit
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate		
	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 | Average Climate		
	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	246 %	165 %
Prated	12 kW	14.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.06 kW
COP Tj = +7°C	5.64	3.7

Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.4
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2573 kWh	4474 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	
EER Tj = 25°C	6.99	
Cdc Tj = 25 °C	0.98	
Pdc Tj = 20°C	5.9 kW	
EER Tj = 20°C	8.69	
Cdc Tj = 20 °C	0.97	
Poff	23 W	
PTO	23 W	
PSB	23 W	
PCK	0 W	
Annual energy consumption Qce	1417 kWh	

Model ERLA16DV37 / EBVH16S18D(6V/9W) + cooling kit	
Model name	ERLA16DV37 / EBVH16S18D(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	116 %
COP	2.73
Heating up time	1:21 h:min
Standby power input	42 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l

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

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
EI input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	246 %	165 %
Prated	12 kW	14.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.06 kW
COP Tj = +7°C	5.64	3.7
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.4
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2573 kWh	4474 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	

EER Tj = 25°C	6.99
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	5.9 kW
EER Tj = 20°C	8.69
Cdc Tj = 20 °C	0.97
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Model ERLA16DV37 / EBVZ16S18D(6V/9W) + cooling kit	
Model name	ERLA16DV37 / EBVZ16S18D(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	116 %
COP	2.73
Heating up time	1:21 h:min
Standby power input	42 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l

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

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	246 %	165 %
Prated	12 kW	14.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.06 kW
COP Tj = +7°C	5.64	3.7
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.4
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2573 kWh	4474 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	

EER Tj = 25°C	6.99
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	5.9 kW
EER Tj = 20°C	8.69
Cdc Tj = 20 °C	0.97
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Model ERLA16DW17 / EBBH16D(6V/9W)	
Model name	ERLA16DW17 / EBBH16D(6V/9W)
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate		
	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 | Average Climate		
	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	237 %	162 %
Prated	12 kW	14.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.1 kW
COP Tj = +7°C	5.64	3.7
Cdh Tj = +7 °C	1	1

Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2675 kWh	4576 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	
EER Tj = 25°C	6.99	
Cdc Tj = 25 °C	0.98	
Pdc Tj = 20°C	5.9 kW	
EER Tj = 20°C	8.69	
Cdc Tj = 20 °C	0.97	
Poff	23 W	
PTO	23 W	
PSB	23 W	
PCK	0 W	
Annual energy consumption Qce	1417 kWh	

Model ERLA16DW17 / EBBX16D(6V/9W)	
Model name	ERLA16DW17 / EBBX16D(6V/9W)
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water	

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

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate		
	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 | Average Climate		
	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	246 %	165 %
Prated	12 kW	14.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.06 kW
COP Tj = +7°C	5.64	3.7

Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.4
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2573 kWh	4474 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	
EER Tj = 25°C	6.99	
Cdc Tj = 25 °C	0.98	
Pdc Tj = 20°C	5.9 kW	
EER Tj = 20°C	8.69	
Cdc Tj = 20 °C	0.97	
Poff	23 W	
PTO	23 W	
PSB	23 W	
PCK	0 W	
Annual energy consumption Qce	1417 kWh	

Model ERLA16DW17 / EBVH16S18D(6V/9W)	
Model name	ERLA16DW17 / EBVH16S18D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	116 %
COP	2.73
Heating up time	1:21 h:min
Standby power input	42 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l

EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l

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

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	237 %	162 %
Prated	12 kW	14.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.1 kW
COP Tj = +7°C	5.64	3.7
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2675 kWh	4576 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	

EER Tj = 25°C	6.99
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	5.9 kW
EER Tj = 20°C	8.69
Cdc Tj = 20 °C	0.97
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Model ERLA16DW17 / EBVX16S18D(6V/9W)	
Model name	ERLA16DW17 / EBVX16S18D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	116 %
COP	2.73
Heating up time	1:21 h:min
Standby power input	42 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l

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

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	246 %	165 %
Prated	12 kW	14.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.06 kW
COP Tj = +7°C	5.64	3.7
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.4
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2573 kWh	4474 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	

EER Tj = 25°C	6.99
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	5.9 kW
EER Tj = 20°C	8.69
Cdc Tj = 20 °C	0.97
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Model ERLA16DW17 / EBVZ16S18D(6V/9W)	
Model name	ERLA16DW17 / EBVZ16S18D(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	116 %
COP	2.73
Heating up time	1:21 h:min
Standby power input	42 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l

EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l

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

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	237 %	162 %
Prated	12 kW	14.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.1 kW
COP Tj = +7°C	5.64	3.7
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2675 kWh	4576 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	

EER Tj = 25°C	6.99
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	5.9 kW
EER Tj = 20°C	8.69
Cdc Tj = 20 °C	0.97
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Model ERLA16DW17 / EBBH16D(6V/9W) + cooling kit	
Model name	ERLA16DW17 / EBBH16D(6V/9W) + cooling kit
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate		
	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 | Average Climate		
	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	246 %	165 %
Prated	12 kW	14.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.06 kW
COP Tj = +7°C	5.64	3.7

Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.4
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2573 kWh	4474 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	
EER Tj = 25°C	6.99	
Cdc Tj = 25 °C	0.98	
Pdc Tj = 20°C	5.9 kW	
EER Tj = 20°C	8.69	
Cdc Tj = 20 °C	0.97	
Poff	23 W	
PTO	23 W	
PSB	23 W	
PCK	0 W	
Annual energy consumption Qce	1417 kWh	

Model ERLA16DW17 / EBVH16S18D(6V/9W) + cooling kit	
Model name	ERLA16DW17 / EBVH16S18D(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	116 %
COP	2.73
Heating up time	1:21 h:min
Standby power input	42 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l

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

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	246 %	165 %
Prated	12 kW	14.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.06 kW
COP Tj = +7°C	5.64	3.7
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.4
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2573 kWh	4474 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	

EER Tj = 25°C	6.99
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	5.9 kW
EER Tj = 20°C	8.69
Cdc Tj = 20 °C	0.97
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh

Model ERLA16DW17 / EBVZ16S18D(6V/9W) + cooling kit	
Model name	ERLA16DW17 / EBVZ16S18D(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	116 %
COP	2.73
Heating up time	1:21 h:min
Standby power input	42 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	139 %
COP	3.26
Heating up time	1:16 h:min
Standby power input	38.4 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	244 l

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

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	16 kW	15.63 kW
El input	3.53 kW	5.68 kW
COP	4.53	2.75

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	4.68 kW	
Cooling capacity	13.8	
EER	2.94	

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
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 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.5
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

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	246 %	165 %
Prated	12 kW	14.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.06 kW
COP Tj = +7°C	5.64	3.7
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	11.1 kW
COP Tj = Tbiv	3.3	2.4
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	9.83 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Qhe	2573 kWh	4474 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.6 kW	
SEER	5.76	
Pdc Tj = 35°C	13.6 kW	
EER Tj = 35°C	2.88	
Pdc Tj = 30°C	9.7 kW	
EER Tj = 30°C	4.58	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	6.2 kW	

EER Tj = 25°C	6.99
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	5.9 kW
EER Tj = 20°C	8.69
Cdc Tj = 20 °C	0.97
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1417 kWh