Subtype Daikin Altherma 3 R MT F+W 08 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 MT F+W 08 kW (180L)
Registration number	011-1W0651
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	3.25 kg
Certification Date	01.08.2023
Testing basis	HP KEYMARK certification scheme rules V12

Model ERRA08EV3 / ELVH12S18E(6V/9W)	
Model name	ERRA08EV3 / ELVH12S18E(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	117 %
COP	2.72
Heating up time	1:57 h:min
Standby power input	51.7 W
Reference hot water temperature	53 °C
Mixed water at 40°C	240 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	6.17 kW	7.72 kW
El input	1.25 kW	2.62 kW
COP	4.92	2.94

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.15 kW	
Cooling capacity	6.81	
EER	3.17	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	184 %	130 %
Prated	8.3 kW	12.5 kW
SCOP	4.69	3.34
Tbiv	-7 °C	-2 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.1	2.26
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.76	3.39
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.14	4.9
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	7.84	6.02
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.1	2.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.8	1.97
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	24 W	24 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3659 kWh	7742 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.38	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.17	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.37	
Cdc Tj = 30 °C	0.98	

Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.58
Cdc Tj = 25 °C	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	8
Cdc Tj = 20 °C	0.91
Poff	25 W
PTO	3 W
PSB	25 W
PCK	0 W

Model ERRA08EW1 / ELVH12S18E(6V/9W)	
Model name	ERRA08EW1 / ELVH12S18E(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	120 %
COP	2.8
Heating up time	1:57 h:min
Standby power input	50.7 W
Reference hot water temperature	53 °C
Mixed water at 40°C	240 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	6.17 kW	7.72 kW
El input	1.21 kW	2.53 kW
COP	5.1	3.05

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.08 kW	
Cooling capacity	6.81	
EER	3.28	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	190 %	134 %
Prated	8.3 kW	12.5 kW
SCOP	4.81	3.42
Tbiv	-7 °C	-2 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.2	2.34
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.93	3.5
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.37	5.07
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	8.13	6.23
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.2	2.9
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.9	2.04
WTOL	35 °C	55 °C
Poff	27 W	27 W
PTO	24 W	24 W
PSB	27 W	27 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3561 kWh	7541 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.42	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.28	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.52	
Cdc Tj = 30 °C	0.97	

Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.66
Cdc Tj = 25 °C	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	7.98
Cdc Tj = 20 °C	0.91
Poff	31 W
PTO	0 W
PSB	31 W
PCK	0 W

Model ERRA08EV3 / ELVX12S18E(6V/9W)	
Model name	ERRA08EV3 / ELVX12S18E(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	117 %
COP	2.72
Heating up time	1:57 h:min
Standby power input	51.7 W
Reference hot water temperature	53 °C
Mixed water at 40°C	240 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	6.17 kW	7.72 kW
El input	1.25 kW	2.62 kW
COP	4.92	2.94

EN 14511-2 | Cooling	+7°C/+12°C	+18°C/+23°C
El input	2.15 kW	
Cooling capacity	6.81	
EER	3.17	

EN 12102-1 | Average Climate	Low temperature	Medium temperature

Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	188 %	132 %
Prated	8.3 kW	12.5 kW
SCOP	4.79	3.37
Tbiv	-7 °C	-2 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.1	2.26
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.76	3.39
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.14	4.9
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	7.84	6.02
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.1	2.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.8	1.97
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	24 W	24 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3582 kWh	7664 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.38	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.17	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.37	

Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.58
Cdc Tj = 25 °C	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	8
Cdc Tj = 20 °C	0.91
Poff	25 W
PTO	3 W
PSB	25 W
PCK	0 W

Model ERRA08EW1 / ELVX12S18E(6V/9W)	
Model name	ERRA08EW1 / ELVX12S18E(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	120 %
COP	2.8
Heating up time	1:57 h:min
Standby power input	50.7 W
Reference hot water temperature	53 °C
Mixed water at 40°C	240 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	6.17 kW	7.72 kW
El input	1.21 kW	2.53 kW
COP	5.1	3.05

EN 14511-2 | Cooling	+7°C/+12°C	+18°C/+23°C
El input	2.08 kW	
Cooling capacity	6.81	
EER	3.28	

EN 12102-1 | Average Climate	Low temperature	Medium temperature

Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	195 %	136 %
Prated	8.3 kW	12.5 kW
SCOP	4.95	3.47
Tbiv	-7 °C	-2 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.2	2.34
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.93	3.5
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.37	5.07
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	8.13	6.23
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.2	2.9
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.9	2.04
WTOL	35 °C	55 °C
Poff	27 W	27 W
PTO	24 W	24 W
PSB	27 W	27 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3462 kWh	7442 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.42	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.28	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.52	

Cdc Tj = 30 °C	0.97
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.66
Cdc Tj = 25 °C	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	7.98
Cdc Tj = 20 °C	0.91
Poff	31 W
PTO	0 W
PSB	31 W
PCK	0 W

Model ERRA08EV3 / ELVZ12S18E(6V/9W)	
Model name	ERRA08EV3 / ELVZ12S18E(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	117 %
COP	2.72
Heating up time	1:57 h:min
Standby power input	51.7 W
Reference hot water temperature	53 °C
Mixed water at 40°C	240 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	6.17 kW	7.72 kW
El input	1.25 kW	2.62 kW
COP	4.92	2.94

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.15 kW	
Cooling capacity	6.81	
EER	3.17	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	184 %	130 %
Prated	8.3 kW	12.5 kW
SCOP	4.69	3.34
Tbiv	-7 °C	-2 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.1	2.26
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.76	3.39
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.14	4.9
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	7.84	6.02
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.1	2.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.8	1.97
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	24 W	24 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3659 kWh	7742 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.38	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.17	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.37	
Cdc Tj = 30 °C	0.98	

Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.58
Cdc Tj = 25 °C	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	8
Cdc Tj = 20 °C	0.91
Poff	25 W
PTO	3 W
PSB	25 W
PCK	0 W

Model ERRA08EW1 / ELVZ12S18E(6V/9W)	
Model name	ERRA08EW1 / ELVZ12S18E(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	120 %
COP	2.8
Heating up time	1:57 h:min
Standby power input	50.7 W
Reference hot water temperature	53 °C
Mixed water at 40°C	240 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	6.17 kW	7.72 kW
El input	1.21 kW	2.53 kW
COP	5.1	3.05

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.08 kW	
Cooling capacity	6.81	
EER	3.28	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	190 %	134 %
Prated	8.3 kW	12.5 kW
SCOP	4.81	3.42
Tbiv	-7 °C	-2 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.2	2.34
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.93	3.5
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.37	5.07
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	8.13	6.23
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.2	2.9
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.9	2.04
WTOL	35 °C	55 °C
Poff	27 W	27 W
PTO	24 W	24 W
PSB	27 W	27 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3561 kWh	7541 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.42	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.28	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.52	
Cdc Tj = 30 °C	0.97	

Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.66
Cdc Tj = 25 °C	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	7.98
Cdc Tj = 20 °C	0.91
Poff	31 W
PTO	0 W
PSB	31 W
PCK	0 W

Model ERRA08EV3 / ELBH12E(6V/9W)		
Model name	ERRA08EV3 / ELBH12E(6V/9W)	
Application	Heating (medium temp)	
Units	Indoor, Outdoor	
Climate zone (for heating)	n/a	
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	6.17 kW	7.72 kW
El input	1.25 kW	2.62 kW
COP	4.92	2.94

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.15 kW	
Cooling capacity	6.81	
EER	3.17	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	184 %	130 %
Prated	8.3 kW	12.5 kW
SCOP	4.69	3.34
Tbiv	-7 °C	-2 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.1	2.26
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.76	3.39
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.14	4.9
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	7.84	6.02
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.1	2.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.8	1.97
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	24 W	24 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3659 kWh	7742 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.38	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.17	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.37	
Cdc Tj = 30 °C	0.98	
Pdc Tj = 25°C	3.01 kW	
EER Tj = 25°C	6.58	
Cdc Tj = 25 °C	0.94	
Pdc Tj = 20°C	2.57 kW	
EER Tj = 20°C	8	
Cdc Tj = 20 °C	0.91	
Poff	25 W	
PTO	3 W	
PSB	25 W	
PCK	0 W	

Model ERRA08EW1 / ELBH12E(6V/9W)		
Model name	ERRA08EW1 / ELBH12E(6V/9W)	
Application	Heating (medium temp)	
Units	Indoor, Outdoor	
Climate zone (for heating)	n/a	
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	6.17 kW	7.72 kW
El input	1.21 kW	2.53 kW
COP	5.1	3.05
EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.08 kW	
Cooling capacity	6.81	
EER	3.28	
EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)
EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	190 %	134 %
Prated	8.3 kW	12.5 kW
SCOP	4.81	3.42
Tbiv	-7 °C	-2 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.2	2.34
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.93	3.5
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.37	5.07
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	8.13	6.23
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.2	2.9
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.9	2.04
WTOL	35 °C	55 °C
Poff	27 W	27 W
PTO	24 W	24 W
PSB	27 W	27 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3561 kWh	7541 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.42	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.28	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.52	
Cdc Tj = 30 °C	0.97	
Pdc Tj = 25°C	3.01 kW	
EER Tj = 25°C	6.66	
Cdc Tj = 25 °C	0.94	
Pdc Tj = 20°C	2.57 kW	
EER Tj = 20°C	7.98	
Cdc Tj = 20 °C	0.91	
Poff	31 W	
PTO	0 W	
PSB	31 W	
PCK	0 W	

Model ERRA08EV3 / ELBX12E(6V/9W)		
Model name	ERRA08EV3 / ELBX12E(6V/9W)	
Application	Heating (medium temp)	
Units	Indoor, Outdoor	
Climate zone (for heating)	n/a	
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	6.17 kW	7.72 kW
El input	1.25 kW	2.62 kW
COP	4.92	2.94
EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.15 kW	
Cooling capacity	6.81	
EER	3.17	
EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)
EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	188 %	132 %
Prated	8.3 kW	12.5 kW
SCOP	4.79	3.37
Tbiv	-7 °C	-2 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.1	2.26
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.76	3.39
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.14	4.9
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	7.84	6.02
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.1	2.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.8	1.97
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	24 W	24 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3582 kWh	7664 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.38	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.17	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.37	
Cdc Tj = 30 °C	0.98	
Pdc Tj = 25°C	3.01 kW	
EER Tj = 25°C	6.58	
Cdc Tj = 25 °C	0.94	
Pdc Tj = 20°C	2.57 kW	
EER Tj = 20°C	8	
Cdc Tj = 20 °C	0.91	
Poff	25 W	
PTO	3 W	
PSB	25 W	

PCK	0 W

Model ERRA08EW1 / ELBX12E(6V/9W)		
Model name	ERRA08EW1 / ELBX12E(6V/9W)	
Application	Heating (medium temp)	
Units	Indoor, Outdoor	
Climate zone (for heating)	n/a	
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	6.17 kW	7.72 kW
El input	1.21 kW	2.53 kW
COP	5.1	3.05
EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.08 kW	
Cooling capacity	6.81	
EER	3.28	
EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)
EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	195 %	136 %
Prated	8.3 kW	12.5 kW
SCOP	4.95	3.47
Tbiv	-7 °C	-2 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.2	2.34
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.93	3.5
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.37	5.07
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	8.13	6.23
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.2	2.9
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.9	2.04
WTOL	35 °C	55 °C
Poff	27 W	27 W
PTO	24 W	24 W
PSB	27 W	27 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3462 kWh	7442 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.42	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.28	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.52	
Cdc Tj = 30 °C	0.97	
Pdc Tj = 25°C	3.01 kW	
EER Tj = 25°C	6.66	
Cdc Tj = 25 °C	0.94	
Pdc Tj = 20°C	2.57 kW	
EER Tj = 20°C	7.98	
Cdc Tj = 20 °C	0.91	
Poff	31 W	
PTO	0 W	
PSB	31 W	

PCK	0 W

Model ERRA08EV3 / ELVH12S18E(6V/9W) + cooling kit	
Model name	ERRA08EV3 / ELVH12S18E(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	117 %
COP	2.72
Heating up time	1:57 h:min
Standby power input	51.7 W
Reference hot water temperature	53 °C
Mixed water at 40°C	240 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	6.17 kW	7.72 kW
El input	1.25 kW	2.62 kW
COP	4.92	2.94

EN 14511-2 | Cooling	+7°C/+12°C	+18°C/+23°C
El input	2.15 kW	
Cooling capacity	6.81	
EER	3.17	

EN 12102-1 | Average Climate	Low temperature	Medium temperature

Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	188 %	132 %
Prated	8.3 kW	12.5 kW
SCOP	4.79	3.37
Tbiv	-7 °C	-2 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.1	2.26
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.76	3.39
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.14	4.9
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	7.84	6.02
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.1	2.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.8	1.97
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	24 W	24 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3582 kWh	7664 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.38	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.17	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.37	

Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.58
Cdc Tj = 25 °C	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	8
Cdc Tj = 20 °C	0.91
Poff	25 W
PTO	3 W
PSB	25 W
PCK	0 W

Model ERRA08EW1 / ELVH12S18E(6V/9W) + cooling kit	
Model name	ERRA08EW1 / ELVH12S18E(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	120 %
COP	2.8
Heating up time	1:57 h:min
Standby power input	50.7 W
Reference hot water temperature	53 °C
Mixed water at 40°C	240 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	6.17 kW	7.72 kW
El input	1.21 kW	2.53 kW
COP	5.1	3.05

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.08 kW	
Cooling capacity	6.81	
EER	3.28	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature

Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	195 %	136 %
Prated	8.3 kW	12.5 kW
SCOP	4.95	3.47
Tbiv	-7 °C	-2 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.2	2.34
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.93	3.5
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.37	5.07
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	8.13	6.23
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.2	2.9
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.9	2.04
WTOL	35 °C	55 °C
Poff	27 W	27 W
PTO	24 W	24 W
PSB	27 W	27 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3462 kWh	7442 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.42	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.28	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.52	

Cdc Tj = 30 °C	0.97
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.66
Cdc Tj = 25 °C	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	7.98
Cdc Tj = 20 °C	0.91
Poff	31 W
PTO	0 W
PSB	31 W
PCK	0 W

Model ERRA08EV3 / ELVZ12S18E(6V/9W) + cooling kit	
Model name	ERRA08EV3 / ELVZ12S18E(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	117 %
COP	2.72
Heating up time	1:57 h:min
Standby power input	51.7 W
Reference hot water temperature	53 °C
Mixed water at 40°C	240 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	6.17 kW	7.72 kW
El input	1.25 kW	2.62 kW
COP	4.92	2.94

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.15 kW	
Cooling capacity	6.81	
EER	3.17	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature

Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	188 %	132 %
Prated	8.3 kW	12.5 kW
SCOP	4.79	3.37
Tbiv	-7 °C	-2 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.1	2.26
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.76	3.39
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.14	4.9
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	7.84	6.02
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.1	2.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.8	1.97
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	24 W	24 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3582 kWh	7664 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.38	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.17	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.37	

Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.58
Cdc Tj = 25 °C	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	8
Cdc Tj = 20 °C	0.91
Poff	25 W
PTO	3 W
PSB	25 W
PCK	0 W

Model ERRA08EW1 / ELVZ12S18E(6V/9W) + cooling kit	
Model name	ERRA08EW1 / ELVZ12S18E(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	120 %
COP	2.8
Heating up time	1:57 h:min
Standby power input	50.7 W
Reference hot water temperature	53 °C
Mixed water at 40°C	240 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	6.17 kW	7.72 kW
El input	1.21 kW	2.53 kW
COP	5.1	3.05

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.08 kW	
Cooling capacity	6.81	
EER	3.28	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature

Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	195 %	136 %
Prated	8.3 kW	12.5 kW
SCOP	4.95	3.47
Tbiv	-7 °C	-2 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.2	2.34
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.93	3.5
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.37	5.07
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	8.13	6.23
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.2	2.9
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.9	2.04
WTOL	35 °C	55 °C
Poff	27 W	27 W
PTO	24 W	24 W
PSB	27 W	27 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3462 kWh	7442 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.42	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.28	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.52	

Cdc Tj = 30 °C	0.97
Pdc Tj = 25°C	3.01 kW
EER Tj = 25°C	6.66
Cdc Tj = 25 °C	0.94
Pdc Tj = 20°C	2.57 kW
EER Tj = 20°C	7.98
Cdc Tj = 20 °C	0.91
Poff	31 W
PTO	0 W
PSB	31 W
PCK	0 W

Model ERRA08EV3 / ELBH12E(6V/9W) + cooling kit	
Model name	ERRA08EV3 / ELBH12E(6V/9W) + cooling kit
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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	6.17 kW	7.72 kW
El input	1.25 kW	2.62 kW
COP	4.92	2.94

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.15 kW	
Cooling capacity	6.81	
EER	3.17	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	188 %	132 %
Prated	8.3 kW	12.5 kW
SCOP	4.79	3.37
Tbiv	-7 °C	-2 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.1	2.26
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.76	3.39
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.14	4.9
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	7.84	6.02
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.1	2.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.8	1.97
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	24 W	24 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3582 kWh	7664 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.38	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.17	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.37	
Cdc Tj = 30 °C	0.98	
Pdc Tj = 25°C	3.01 kW	
EER Tj = 25°C	6.58	
Cdc Tj = 25 °C	0.94	
Pdc Tj = 20°C	2.57 kW	
EER Tj = 20°C	8	
Cdc Tj = 20 °C	0.91	
Poff	25 W	
PTO	3 W	
PSB	25 W	

PCK	0 W

Model ERRA08EW1 / ELBH12E(6V/9W) + cooling kit		
Model name	ERRA08EW1 / ELBH12E(6V/9W) + cooling kit	
Application	Heating (medium temp)	
Units	Indoor, Outdoor	
Climate zone (for heating)	n/a	
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	6.17 kW	7.72 kW
El input	1.21 kW	2.53 kW
COP	5.1	3.05
EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.08 kW	
Cooling capacity	6.81	
EER	3.28	
EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)
EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	195 %	136 %
Prated	8.3 kW	12.5 kW
SCOP	4.95	3.47
Tbiv	-7 °C	-2 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.5 kW	7.6 kW
COP Tj = -7°C	3.2	2.34
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.4 kW	6.8 kW
COP Tj = +2°C	4.93	3.5
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.3 kW	4.5 kW
COP Tj = +7°C	6.37	5.07
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	6.6 kW	5.2 kW
COP Tj = 12°C	8.13	6.23
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	8.5 kW
COP Tj = Tbiv	3.2	2.9
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	6.9 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.9	2.04
WTOL	35 °C	55 °C
Poff	27 W	27 W
PTO	24 W	24 W
PSB	27 W	27 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	5.6 kW
Annual energy consumption Qhe	3462 kWh	7442 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.5 kW	
SEER	5.42	
Pdc Tj = 35°C	6.81 kW	
EER Tj = 35°C	3.28	
Pdc Tj = 30°C	5 kW	
EER Tj = 30°C	4.52	
Cdc Tj = 30 °C	0.97	
Pdc Tj = 25°C	3.01 kW	
EER Tj = 25°C	6.66	
Cdc Tj = 25 °C	0.94	
Pdc Tj = 20°C	2.57 kW	
EER Tj = 20°C	7.98	
Cdc Tj = 20 °C	0.91	
Poff	31 W	
PTO	0 W	
PSB	31 W	

PCK	0 W