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Summary of	DAIKIN ALTHERMA 3 R ECH2O 08KW (500L) (/A)	Reg. No.	011-1W0267
Certificate Holder			
Name	DAIKIN Europe N.V.		
Address	Zandvoordestraat 300	Zip	B-8400
City	Oostende	Country	Belgium
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	DAIKIN ALTHERMA 3 R ECH2O 08KW (500L) (/A)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.5 kg		
Certification Date	17.08.2018		
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 9 (as of 2021-03)		

Model: ERGA08EV / EHSX08P50D3

Configure model	
Model name	ERGA08EV / EHSX08P50D3
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	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

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	1.73 kW
Cooling capacity	5.44
EER	3.14

EN 14825

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	+7°C/+12°C
P _{designc}	5.40 kW
SEER	5.71
P _{dc} T _j = 35°C	5.44 kW
EER T _j = 35°C	3.14
P _{dc} T _j = 30°C	4.02 kW
EER T _j = 30°C	4.84
C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	181 %	131 %
Prated	8 kW	8 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	6.9 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0

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Pdh Tj = 12°C	3.9 kW	4.1 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	7.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.94 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	106 %
COP	2.57
Heating up time	2:47 h:min
Standby power input	38.2 W
Reference hot water temperature	45.2 °C
Mixed water at 40°C	237.0 l

Model: ERGA08EV / EHSXB08P50D3

Configure model	
Model name	ERGA08EV / EHSXB08P50D3
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	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

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	1.73 kW
Cooling capacity	5.44
EER	3.14

EN 14825

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	+7°C/+12°C
P _{designc}	5.40 kW
SEER	5.71
P _{dc} T _j = 35°C	5.44 kW
EER T _j = 35°C	3.14
P _{dc} T _j = 30°C	4.02 kW
EER T _j = 30°C	4.84
C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
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EN 14825

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Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	6.9 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
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Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	7.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.94 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	110 %
COP	2.66
Heating up time	2:29 h:min
Standby power input	42.0 W
Reference hot water temperature	45.0 °C
Mixed water at 40°C	211.0 l

Model: ERGA08EV / ESH08P50D3

Configure model	
Model name	ERGA08EV / ESH08P50D3
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	7.50 kW	7.50 kW
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Complete power supply failure	passed
Defrost test	passed
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EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	130 %
Prated	8 kW	8 kW
SCOP	4.56	3.32
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	6.9 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0

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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.94 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	106 %
COP	2.57
Heating up time	2:47 h:min
Standby power input	38.2 W
Reference hot water temperature	45.2 °C
Mixed water at 40°C	237.0 l

Model: ERGA08EV / ESHB08P50D3

Configure model	
Model name	ERGA08EV / ESHB08P50D3
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	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

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	1.73 kW
Cooling capacity	5.44
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C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
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PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
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EN 14825

	Low temperature	Medium temperature
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Pdh Tj = -7°C	7.0 kW	6.9 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0

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Pdh Tj = 12°C	3.9 kW	4.1 kW
COP Tj = 12°C	8.52	6.22
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Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	7.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.94 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	110 %
COP	2.66
Heating up time	2:29 h:min
Standby power input	42.0 W
Reference hot water temperature	45.0 °C
Mixed water at 40°C	211.0 l

Model: ERGA08EVA / EHSX08P50D3

Configure model	
Model name	ERGA08EVA / EHSX08P50D3
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	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

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	1.73 kW
Cooling capacity	5.44
EER	3.14

EN 14825

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P _{designc}	5.40 kW
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EER T _j = 35°C	3.14
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EER T _j = 30°C	4.84
C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	181 %	129 %
Prated	8 kW	8 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	5.9 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.1 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.0 kW
COP Tj = +7°C	6.49	4.54
Cdh Tj = +7 °C	1.0	1.0

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Pdh Tj = 12°C	3.9 kW	3.7 kW
COP Tj = 12°C	8.52	6.16
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	6.4 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	4.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	3.5 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	106 %
COP	2.57
Heating up time	2:47 h:min
Standby power input	38.2 W
Reference hot water temperature	45.2 °C
Mixed water at 40°C	237.0 l

Model: ERGA08EVA / EHSXB08P50D3

Configure model	
Model name	ERGA08EVA / EHSXB08P50D3
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	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

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	1.73 kW
Cooling capacity	5.44
EER	3.14

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	+7°C/+12°C
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P _{dc} T _j = 25°C	2.47 kW
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P _{off}	10 W
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PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
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EN 14825

	Low temperature	Medium temperature
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COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.1 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.0 kW
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Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	6.4 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	4.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	3.5 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	110 %
COP	2.66
Heating up time	2:29 h:min
Standby power input	42.0 W
Reference hot water temperature	45.0 °C
Mixed water at 40°C	211.0 l

Model: ERGA08EVA / ESH08P50D3

Configure model	
Model name	ERGA08EVA / ESH08P50D3
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

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	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
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P _{designc}	5.40 kW
SEER	5.71
P _{dc} T _j = 35°C	5.44 kW
EER T _j = 35°C	3.14
P _{dc} T _j = 30°C	4.02 kW
EER T _j = 30°C	4.84
C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	128 %
Prated	8 kW	8 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	5.9 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.1 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.0 kW
COP Tj = +7°C	6.49	4.54
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 22 Jun 2022

Pdh Tj = 12°C	3.9 kW	3.7 kW
COP Tj = 12°C	8.52	6.16
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	6.4 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	4.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	3.5 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	106 %
COP	2.57
Heating up time	2:47 h:min
Standby power input	38.2 W
Reference hot water temperature	45.2 °C
Mixed water at 40°C	237.0 l

Model: ERGA08EVA / ESHB08P50D3

Configure model	
Model name	ERGA08EVA / ESHB08P50D3
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	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

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	1.73 kW
Cooling capacity	5.44
EER	3.14

EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

	+7°C/+12°C
P _{designc}	5.40 kW
SEER	5.71
P _{dc} T _j = 35°C	5.44 kW
EER T _j = 35°C	3.14
P _{dc} T _j = 30°C	4.02 kW
EER T _j = 30°C	4.84
C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	128 %
Prated	8 kW	8 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	5.9 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.1 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.0 kW
COP Tj = +7°C	6.49	4.54
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 22 Jun 2022

Pdh Tj = 12°C	3.9 kW	3.7 kW
COP Tj = 12°C	8.52	6.16
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	6.4 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	4.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	3.5 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	110 %
COP	2.66
Heating up time	2:29 h:min
Standby power input	42.0 W
Reference hot water temperature	45.0 °C
Mixed water at 40°C	211.0 l

Model: ERGA08EVH / EHSX08P50D3

Configure model	
Model name	ERGA08EVH / EHSX08P50D3
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	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

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	1.73 kW
Cooling capacity	5.44
EER	3.14

EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

	+7°C/+12°C
P _{designc}	5.40 kW
SEER	5.71
P _{dc} T _j = 35°C	5.44 kW
EER T _j = 35°C	3.14
P _{dc} T _j = 30°C	4.02 kW
EER T _j = 30°C	4.84
C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	181 %	131 %
Prated	8 kW	8 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	6.9 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 22 Jun 2022

Pdh Tj = 12°C	3.9 kW	4.1 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	7.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.94 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	106 %
COP	2.57
Heating up time	2:47 h:min
Standby power input	38.2 W
Reference hot water temperature	45.2 °C
Mixed water at 40°C	237.0 l

Model: ERGA08EVH / EHSXB08P50D3

Configure model	
Model name	ERGA08EVH / EHSXB08P50D3
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	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

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	1.73 kW
Cooling capacity	5.44
EER	3.14

EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

	+7°C/+12°C
P _{designc}	5.40 kW
SEER	5.71
P _{dc} T _j = 35°C	5.44 kW
EER T _j = 35°C	3.14
P _{dc} T _j = 30°C	4.02 kW
EER T _j = 30°C	4.84
C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	181 %	131 %
Prated	8 kW	8 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	6.9 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 22 Jun 2022

Pdh Tj = 12°C	3.9 kW	4.1 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	7.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.94 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	110 %
COP	2.66
Heating up time	2:29 h:min
Standby power input	42.0 W
Reference hot water temperature	45.0 °C
Mixed water at 40°C	211.0 l

Model: ERGA08EVH / ESH08P50D3

Configure model	
Model name	ERGA08EVH / ESH08P50D3
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	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

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	1.73 kW
Cooling capacity	5.44
EER	3.14

EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

	+7°C/+12°C
P _{designc}	5.40 kW
SEER	5.71
P _{dc} T _j = 35°C	5.44 kW
EER T _j = 35°C	3.14
P _{dc} T _j = 30°C	4.02 kW
EER T _j = 30°C	4.84
C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	130 %
Prated	8 kW	8 kW
SCOP	4.56	3.32
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	6.9 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 22 Jun 2022

Pdh Tj = 12°C	3.9 kW	4.1 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	7.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.94 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	106 %
COP	2.57
Heating up time	2:47 h:min
Standby power input	38.2 W
Reference hot water temperature	45.2 °C
Mixed water at 40°C	237.0 l

Model: ERGA08EVH / ESHB08P50D3

Configure model	
Model name	ERGA08EVH / ESHB08P50D3
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	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

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	1.73 kW
Cooling capacity	5.44
EER	3.14

EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

	+7°C/+12°C
P _{designc}	5.40 kW
SEER	5.71
P _{dc} T _j = 35°C	5.44 kW
EER T _j = 35°C	3.14
P _{dc} T _j = 30°C	4.02 kW
EER T _j = 30°C	4.84
C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	130 %
Prated	8 kW	8 kW
SCOP	4.56	3.32
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	6.9 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 22 Jun 2022

Pdh Tj = 12°C	3.9 kW	4.1 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	7.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.94 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	110 %
COP	2.66
Heating up time	2:29 h:min
Standby power input	42.0 W
Reference hot water temperature	45.0 °C
Mixed water at 40°C	211.0 l

Model: ERGA08EVH / EHSX(B)08P50E

Configure model	
Model name	ERGA08EVH / EHSX(B)08P50E
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	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

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	1.73 kW
Cooling capacity	5.44
EER	3.14

EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

	+7°C/+12°C
P _{designc}	5.40 kW
SEER	5.71
P _{dc} T _j = 35°C	5.44 kW
EER T _j = 35°C	3.14
P _{dc} T _j = 30°C	4.02 kW
EER T _j = 30°C	4.84
C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	181 %	131 %
Prated	8.0 kW	8.0 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	6.9 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 22 Jun 2022

Pdh Tj = 12°C	3.9 kW	4.1 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	7.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.94 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	125 %
COP	3.06
Heating up time	2:41 h:min
Standby power input	25.3 W
Reference hot water temperature	44.6 °C
Mixed water at 40°C	227.9 l

Model: ERGA08EVH / ESH(B)08P50E

Configure model	
Model name	ERGA08EVH / ESH(B)08P50E
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	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

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	1.73 kW
Cooling capacity	5.44
EER	3.14

EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

	+7°C/+12°C
P _{designc}	5.40 kW
SEER	5.71
P _{dc} T _j = 35°C	5.44 kW
EER T _j = 35°C	3.14
P _{dc} T _j = 30°C	4.02 kW
EER T _j = 30°C	4.84
C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	130 %
Prated	8.0 kW	8.0 kW
SCOP	4.56	3.32
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	6.9 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 22 Jun 2022

Pdh Tj = 12°C	3.9 kW	4.1 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	7.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.94 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	125 %
COP	3.06
Heating up time	2:41 h:min
Standby power input	25.3 W
Reference hot water temperature	44.6 °C
Mixed water at 40°C	227.9 l

Model: ERGA08EVA / EHSX(B)08P50E

Configure model	
Model name	ERGA08EVA / EHSX(B)08P50E
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	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

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	1.73 kW
Cooling capacity	5.44
EER	3.14

EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

	+7°C/+12°C
P _{designc}	5.40 kW
SEER	5.71
P _{dc} T _j = 35°C	5.44 kW
EER T _j = 35°C	3.14
P _{dc} T _j = 30°C	4.02 kW
EER T _j = 30°C	4.84
C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	181 %	129 %
Prated	8.0 kW	7.5 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	5.9 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.1 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.0 kW
COP Tj = +7°C	6.49	4.54
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 22 Jun 2022

Pdh Tj = 12°C	3.9 kW	3.7 kW
COP Tj = 12°C	8.52	6.16
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	6.4 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	4.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	3.1 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	125 %
COP	3.06
Heating up time	2:41 h:min
Standby power input	25.3 W
Reference hot water temperature	44.6 °C
Mixed water at 40°C	227.9 l

Model: ERGA08EVA / ESH(B)08P50E

Configure model

Model name	ERGA08EVA / ESH(B)08P50E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70

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	1.73 kW
Cooling capacity	5.44
EER	3.14

EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

	+7°C/+12°C
P _{designc}	5.40 kW
SEER	5.71
P _{dc} T _j = 35°C	5.44 kW
EER T _j = 35°C	3.14
P _{dc} T _j = 30°C	4.02 kW
EER T _j = 30°C	4.84
C _{dc}	1.0
P _{dc} T _j = 25°C	2.47 kW
EER T _j = 25°C	6.86
C _{dc}	1.0
P _{dc} T _j = 20°C	2.54 kW
EER T _j = 20°C	8.47
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	571 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	128 %
Prated	8.0 kW	7.5 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	5.9 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.1 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.0 kW
COP Tj = +7°C	6.49	4.54
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 22 Jun 2022

Pdh Tj = 12°C	3.9 kW	3.7 kW
COP Tj = 12°C	8.52	6.16
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	6.4 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	4.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	3.1 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	125 %
COP	3.06
Heating up time	2:41 h:min
Standby power input	25.3 W
Reference hot water temperature	44.6 °C
Mixed water at 40°C	227.9 l