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#### This information was generated by the HP KEYMARK database on 18 Mar 2022

#### **Login**

Summary of	DAIKIN ALTHERMA 3 R F 08KW (230L)	Reg. No.	011-1W0222	
Certificate Holder				
Name	DAIKIN Europe N.V.			
Address	Zandvoordestraat 300	Zip	B-8400	
City	Oostende	Country	Belgium	
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH			
Subtype title	DAIKIN ALTHERMA 3 R F 08KW (230L)			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass of Refrigerant	1.5 kg			
Certification Date	22.11.2017			
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 9 (as of 2021-03)			



# Model: ERGA08EV / EHVH08S23E(6V/9W)

Configure model		
Model name	ERGA08EV / EHVH08S23E(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility No		
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

## Average Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	42 dB(A)	42 dB(A)	
Sound power level outdoor	62 dB(A)	62 dB(A)	

Low temperature 179 % 8.00 kW	Medium temperature 130 %
8 00 kW	0.00 1.11
0.00 KW	8.00 kW
4.56	3.32
-8 °C	-8 °C
-10 °C	-10 °C
7.00 kW	6.90 kW
	-8 °C





inis information was genera		
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.00
Pdh Tj = $+2$ °C	4.20 kW	4.40 kW
$COPTj = +2^{\circ}C$	4.35	3.20
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	3.30 kW	3.30 kW
$COPTj = +7^{\circ}C$	6.49	4.64
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	7.10 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
РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	o w
	•	



Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	0.90 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	7.50 kW	7.50 kW	
El input	1.63 kW	2.78 kW	
СОР	4.60	2.70	

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

# Cooling





EN 14511-2		
+7°C/+12°C		
El input	1.73 kW	
Cooling capacity	5.44	
EER	3.14	

#### EN 14825





	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	571 kWh

# Domestic Hot Water (DHW)

# **Average Climate**



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288 I	



# Model: ERGA08EV / EHVH08SU23E6V

Configure model		
Model name	ERGA08EV / EHVH08SU23E6V	
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	

## Average Climate

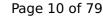
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	179 %	130 %
Prated	8.00 kW	8.00 kW
SCOP	4.56	3.32
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	6.90 kW





inis information was genera		
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.00
Pdh Tj = $+2$ °C	4.20 kW	4.40 kW
$COPTj = +2^{\circ}C$	4.35	3.20
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	3.30 kW	3.30 kW
$COPTj = +7^{\circ}C$	6.49	4.64
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	7.10 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
РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	o w
	•	





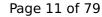
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	0.90 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

## Heating

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

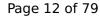
# Cooling





EN 14511-2	
+7°C/+12°C	
El input	1.73 kW
Cooling capacity	5.44
EER	3.14

#### EN 14825

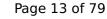




This information was generated by the Till RE	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
PCK	o w
Annual energy consumption Qce	571 kWh

# Domestic Hot Water (DHW)

## **Average Climate**





EN 16147	
Declared load profile	XL
Efficiency ηDHW	133 %
СОР	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 I



# Model: ERGA08EV / EHVX08S23E6V(G)

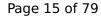
Configure model		
Model name	ERGA08EV / EHVX08S23E6V(G)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	1x230V 50Hz	

## **Average Climate**

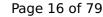
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	181 %	131 %
Prated	8.00 kW	8.00 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	6.90 kW





This information was genera	icca by the fit RETMAI	TR database on 10 Mai 2022
$COP Tj = -7^{\circ}C$	2.77	1.96
Cdh Tj = -7 °C	n/a	1.00
Pdh Tj = +2°C	4.20 kW	4.40 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	3.30 kW	3.30 kW
$COPTj = +7^{\circ}C$	6.49	4.64
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	7.10 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
РТО	10 W	10 W
PSB	10 W	10 W
РСК	0 W	o w





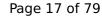
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	0.90 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

# Cooling





EN 14511-2	
	+7°C/+12°C
El input	1.73 kW
Cooling capacity	5.44
EER	3.14

#### EN 14825

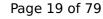




This information was generated by the Till RE	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	o w
Annual energy consumption Qce	571 kWh

## Domestic Hot Water (DHW)

# **Average Climate**





EN 16147	
Declared load profile	XL
Efficiency ηDHW	133 %
СОР	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 I



# Model: ERGA08EV / EHVX08S23E9W

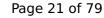
Configure model		
Model name	ERGA08EV / EHVX08S23E9W	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	1x230V 50Hz	

## **Average Climate**

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	181 %	131 %
Prated	8.00 kW	8.00 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	6.90 kW





This information was genera	icca by the fit RETMAI	TR database on 10 Mai 2022
$COP Tj = -7^{\circ}C$	2.77	1.96
Cdh Tj = -7 °C	n/a	1.00
Pdh Tj = +2°C	4.20 kW	4.40 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	3.30 kW	3.30 kW
$COPTj = +7^{\circ}C$	6.49	4.64
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	7.10 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
РТО	10 W	10 W
PSB	10 W	10 W
РСК	0 W	o w



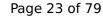
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	0.90 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

## Heating

EN 14511-2			
Low temperature Medium temperature		Medium temperature	
Heat output	7.50 kW	7.50 kW	
El input	1.63 kW	2.78 kW	
СОР	4.60	2.70	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

## Cooling





EN 14511-2		
+7°C/+12°C		
El input	1.73 kW	
Cooling capacity	5.44	
EER	3.14	

#### EN 14825

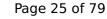




This information was generated by the HP KETMARK database on 16 Mai 202.		
	+7°C/+12°C	
Pdesignc	5.40 kW	
SEER	5.71	
Pdc Tj = 35°C	5.44 kW	
EER Tj = 35°C	3.14	
Pdc Tj = 30°C	4.02 kW	
EER Tj = 30°C	4.84	
Cdc	1.0	
Pdc Tj = 25°C	2.47 kW	
EER Tj = 25°C	6.86	
Cdc	1.0	
Pdc Tj = 20°C	2.54 kW	
EER Tj = 20°C	8.47	
Cdc	1.0	
Poff	10 W	
РТО	10 W	
PSB	10 W	
PCK	0 W	
Annual energy consumption Qce	571 kWh	

## Domestic Hot Water (DHW)

## **Average Climate**





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288 I	



# Model: ERGA08EV / EHVZ08S23E(6V/9W)

Configure model		
Model name	ERGA08EV / EHVZ08S23E(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

## **Average Climate**

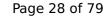
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
Low temperature	Medium temperature	
179 %	130 %	
8.00 kW	8.00 kW	
4.56	3.32	
-8 °C	-8 °C	
-10 °C	-10 °C	
7.00 kW	6.90 kW	
	Low temperature  179 %  8.00 kW  4.56  -8 °C  -10 °C	





This information was genera	icca by the fit RETMAI	TR database on 10 Mai 2022
$COP Tj = -7^{\circ}C$	2.77	1.96
Cdh Tj = -7 °C	n/a	1.00
Pdh Tj = +2°C	4.20 kW	4.40 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	3.30 kW	3.30 kW
$COP Tj = +7^{\circ}C$	6.49	4.64
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	7.10 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
РТО	10 W	10 W
PSB	10 W	10 W
РСК	0 W	o w





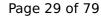
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	0.90 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

## Heating

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

# Cooling





EN 14511-2	
	+7°C/+12°C
El input	1.73 kW
Cooling capacity	5.44
EER	3.14

#### EN 14825

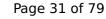




This information was generated by the Till RE	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	o w
Annual energy consumption Qce	571 kWh

## Domestic Hot Water (DHW)

# **Average Climate**





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288 I	



# Model: ERGA08EV / EHVH08S23E(6V/9W) + cooling kit

Configure model		
Model name	ERGA08EV / EHVH08S23E(6V/9W) + cooling kit	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

Genera	al Data
Power supply	1x230V 50Hz

## Average Climate

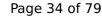
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

Low temperature	Medium temperature
179 %	130 %
8.00 kW	8.00 kW
4.56	3.32
-8 °C	-8 °C
-10 °C	-10 °C
	179 % 8.00 kW 4.56 -8 °C





COP Tj = -7°C       2.77       1.96         Cdh Tj = -7°C       n/a       1.00         Pdh Tj = +2°C       4.20 kW       4.40 kW         COP Tj = +2°C       4.35       3.20         Cdh Tj = +2°C       1.00       1.00         Pdh Tj = +7°C       3.30 kW       3.30 kW         COP Tj = +7°C       6.49       4.64         Cdh Tj = +7°C       1.00       1.00         Pdh Tj = 12°C       3.90 kW       4.10 kW         COP Tj = 12°C       8.52       6.22         Cdh Tj = +12 °C       1.00       1.00         Pdh Tj = Tbiv       7.50 kW       7.50 kW         COP Tj = Tbiv       2.66       1.90         Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh       6.90 kW       7.10 kW         COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh       1.00       1.00         WTOL       35 °C       55 °C         Poff       10 W       10 W         PTO       10 W       10 W	Pdh Tj = -7°C	7.00 kW	6.90 kW
Pdh Tj = +2°C	COP Tj = -7°C	2.77	1.96
COP Tj = +2°C  4.35  3.20  Cdh Tj = +2°C  1.00  1.00  1.00  Pdh Tj = +7°C  3.30 kW  3.30 kW  3.30 kW  COP Tj = +7°C  6.49  4.64  Cdh Tj = +7°C  1.00  1.00  Pdh Tj = 12°C  3.90 kW  4.10 kW  COP Tj = 12°C  8.52  6.22  Cdh Tj = +12 °C  1.00  1.00  Pdh Tj = Tbiv  7.50 kW  COP Tj = Tbiv  7.50 kW  COP Tj = ToL or Pdh Tj = Tdesignh if TOL < Tdesignh  2.41  1.64  Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh  1.00  WTOL  35 °C  55 °C  Poff  10 W  10 W  PTO  10 W  10 W	Cdh Tj = -7 °C	n/a	1.00
Cdh Tj = +2 °C       1.00       1.00         Pdh Tj = +7°C       3.30 kW       3.30 kW         COP Tj = +7°C       6.49       4.64         Cdh Tj = +7 °C       1.00       1.00         Pdh Tj = 12°C       3.90 kW       4.10 kW         COP Tj = 12°C       8.52       6.22         Cdh Tj = +12 °C       1.00       1.00         Pdh Tj = Tbiv       7.50 kW       7.50 kW         COP Tj = Tbiv       2.66       1.90         Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = $+2^{\circ}$ C	4.20 kW	4.40 kW
Pdh Tj = +7°C       3.30 kW       3.30 kW         COP Tj = +7°C       6.49       4.64         Cdh Tj = +7 °C       1.00       1.00         Pdh Tj = 12°C       3.90 kW       4.10 kW         COP Tj = 12°C       8.52       6.22         Cdh Tj = +12 °C       1.00       1.00         Pdh Tj = Tbiv       7.50 kW       7.50 kW         COP Tj = Tbiv       2.66       1.90         Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = +2°C	4.35	3.20
COP Tj = +7°C 6.49 4.64  Cdh Tj = +7 °C 1.00 1.00  Pdh Tj = 12°C 3.90 kW 4.10 kW  COP Tj = 12°C 8.52 6.22  Cdh Tj = +12 °C 1.00 1.00  Pdh Tj = Tbiv 7.50 kW 7.50 kW  COP Tj = Tbiv 2.66 1.90  Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 6.90 kW 7.10 kW  COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 1.00 1.00  WTOL 35 °C 55 °C  Poff 10 W 10 W	Cdh Tj = +2 °C	1.00	1.00
Cdh Tj = +7 °C       1.00       1.00         Pdh Tj = 12°C       3.90 kW       4.10 kW         COP Tj = 12°C       8.52       6.22         Cdh Tj = +12 °C       1.00       1.00         Pdh Tj = Tbiv       7.50 kW       7.50 kW         COP Tj = Tbiv       2.66       1.90         Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = $+7^{\circ}$ C	3.30 kW	3.30 kW
Pdh Tj = 12°C       3.90 kW       4.10 kW         COP Tj = 12°C       8.52       6.22         Cdh Tj = +12 °C       1.00       1.00         Pdh Tj = Tbiv       7.50 kW       7.50 kW         COP Tj = Tbiv       2.66       1.90         Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	$COPTj = +7^{\circ}C$	6.49	4.64
COP Tj = 12°C	Cdh Tj = +7 °C	1.00	1.00
Cdh Tj = +12 °C       1.00       1.00         Pdh Tj = Tbiv       7.50 kW       7.50 kW         COP Tj = Tbiv       2.66       1.90         Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = 12°C	3.90 kW	4.10 kW
Pdh Tj = Tbiv       7.50 kW       7.50 kW         COP Tj = Tbiv       2.66       1.90         Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	8.52	6.22
COP Tj = Tbiv       2.66       1.90         Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh  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  WTOL  35 °C  55 °C  Poff  10 W  10 W  PTO	Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	2.66	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	7.10 kW
WTOL 35 °C 55 °C  Poff 10 W 10 W  PTO 10 W	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
Poff 10 W 10 W PTO 10 W	Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
PTO 10 W 10 W	WTOL	35 °C	55 °C
	Poff	10 W	10 W
PSB 10 W 10 W	РТО	10 W	10 W
	PSB	10 W	10 W





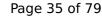
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	0.90 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

## Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	7.50 kW	7.50 kW	
El input	1.63 kW	2.78 kW	
СОР	4.60	2.70	

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

## Cooling





EN 14511-2	
	+7°C/+12°C
El input	1.73 kW
Cooling capacity	5.44
EER	3.14

#### EN 14825

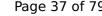




	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	571 kWh

# Domestic Hot Water (DHW)

# **Average Climate**





## $$\operatorname{\textit{Page}}\xspace$ 37 of 79 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288 I	



## Model: ERGA08EV / EHVZ08S23E(6V/9W) + cooling kit

Configure model		
Model name	ERGA08EV / EHVZ08S23E(6V/9W) + cooling kit	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	1x230V 50Hz	

#### **Average Climate**

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

Low temperature	Medium temperature
179 %	130 %
8.00 kW	8.00 kW
4.56	3.32
-8 °C	-8 °C
-10 °C	-10 °C
	179 % 8.00 kW 4.56 -8 °C





Pdh Tj = -7°C	7.00 kW	6.90 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.00
Pdh Tj = +2°C	4.20 kW	4.40 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7$ °C	3.30 kW	3.30 kW
$COP Tj = +7^{\circ}C$	6.49	4.64
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	7.10 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
РТО	10 W	10 W
PSB	10 W	10 W
	•	



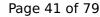
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	0.90 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	7.50 kW	7.50 kW	
El input	1.63 kW	2.78 kW	
СОР	4.60	2.70	

EN 14511-4			
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed		
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed		
Shutting off the heat transfer medium flow	passed		
Complete power supply failure	passed		
Defrost 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 Till RE	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
PCK	o w
Annual energy consumption Qce	571 kWh

## Domestic Hot Water (DHW)

## **Average Climate**





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288	



## Model: ERGA08EVH / EHVH08S23E(6V/9W)

Configure model		
Model name	ERGA08EVH / EHVH08S23E(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

#### **Average Climate**

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

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





This information was genera	cea by the fit RETHA	NK database on 10 Mai 2022
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 = $+7^{\circ}$ C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0
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
РТО	10 W	10 W
PSB	10 W	10 W
РСК	0 W	o w





Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.9 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

### Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

### Cooling





EN 14511-2	
	+7°C/+12°C
El input	1.73 kW
Cooling capacity	5.44
EER	3.14

#### EN 14825





TMARK database on 16 Mai 202
+7°C/+12°C
5.40 kW
5.71
5.44 kW
3.14
4.02 kW
4.84
1.0
2.47 kW
6.86
1.0
2.54 kW
8.47
1.0
10 W
10 W
10 W
0 W
571 kWh

## Domestic Hot Water (DHW)

#### **Average Climate**





EN 16147	
Declared load profile	XL
Efficiency ηDHW	133 %
СОР	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 I



## Model: ERGA08EVH / EHVH08SU23E6V

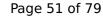
Configure model		
Model name	ERGA08EVH / EHVH08SU23E6V	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

#### **Average Climate**

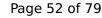
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

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





This information was genera	cea by the fit RETHA	NK database on 10 Mai 2022
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 = $+7^{\circ}$ C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0
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
РТО	10 W	10 W
PSB	10 W	10 W
РСК	0 W	o w





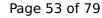
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.9 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

## Cooling





EN 14511-2	
	+7°C/+12°C
El input	1.73 kW
Cooling capacity	5.44
EER	3.14

#### EN 14825

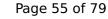




This information was generated by the HP KETMARK database on 16 Mar 202			
+7°C/+12°C			
5.40 kW			
5.71			
5.44 kW			
3.14			
4.02 kW			
4.84			
1.0			
2.47 kW			
6.86			
1.0			
2.54 kW			
8.47			
1.0			
10 W			
10 W			
10 W			
0 W			
571 kWh			

## Domestic Hot Water (DHW)

## **Average Climate**





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288 I	

## Model: ERGA08EVH / EHVX08S23E(6V/9W)

Configure model		
Model name	ERGA08EVH / EHVX08S23E(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	1x230V 50Hz	

#### **Average Climate**

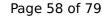
EN 12102-1				
Low temperature Medium temperature				
Sound power level indoor	42 dB(A)	42 dB(A)		
Sound power level outdoor	62 dB(A)	62 dB(A)		

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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 = $-7^{\circ}$ C	7.0 kW	6.9 kW





	<u> </u>	N uatabase on 10 Mai 2022
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
$COPTj = +2^{\circ}C$	4.35	3.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	3.3 kW	3.3 kW
$COPTj = +7^{\circ}C$	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0
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
РТО	10 W	10 W
PSB	10 W	10 W
РСК	0 W	o w
	1	





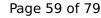
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.9 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	7.50 kW	7.50 kW	
El input	1.63 kW	2.78 kW	
СОР	4.60	2.70	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure		
Defrost test	passed	

## Cooling





EN 14511-2		
+7°C/+12°C		
El input	1.73 kW	
Cooling capacity	5.44	
EER	3.14	

#### EN 14825

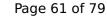




	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	571 kWh

## Domestic Hot Water (DHW)

## **Average Climate**





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288 I	



## Model: ERGA08EVH / EHVZ08S23E(6V/9W)

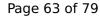
Configure model		
Model name	ERGA08EVH / EHVZ08S23E(6V/9W)	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone n/a		
Reversibility No		
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

#### **Average Climate**

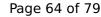
EN 12102-1				
Low temperature Medium temperature				
Sound power level indoor	42 dB(A)	42 dB(A)		
Sound power level outdoor	62 dB(A)	62 dB(A)		

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





ring information was genera	iced by the fill RETINA	iii aatabase on 10 mai 2022
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 = $+7^{\circ}$ C	3.3 kW	3.3 kW
$COPTj = +7^{\circ}C$	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0
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
РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	o w





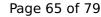
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.9 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

### Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

## Cooling





EN 14511-2		
+7°C/+12°C		
El input	1.73 kW	
Cooling capacity	5.44	
EER	3.14	

#### EN 14825





	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	571 kWh

## Domestic Hot Water (DHW)

## **Average Climate**





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288 I	



## Model: ERGA08EVH / EHVH08S23E(6V/9W) + cooling kit

Configure model		
Model name	ERGA08EVH / EHVH08S23E(6V/9W) + cooling kit	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply 1x230V 50Hz		

#### Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	181 %	131 %
Prated	8.0 kW	8.0 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C





This information was general		
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
$COPTj = +7^{\circ}C$	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0
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
РТО	10 W	10 W
PSB	10 W	10 W
	•	-



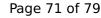
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.9 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	7.50 kW	7.50 kW	
El input	1.63 kW	2.78 kW	
СОР	4.60	2.70	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

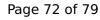
### Cooling





EN 14511-2		
+7°C/+12°C		
El input	1.73 kW	
Cooling capacity	5.44	
EER	3.14	

#### EN 14825

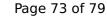




This information was generated by the Till RE	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	571 kWh

## Domestic Hot Water (DHW)

## **Average Climate**





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288 I	



# Model: ERGA08EVH / EHVZ08S23E(6V/9W) + cooling kit

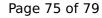
Configure model		
Model name ERGA08EVH / EHVZ08S23E(6V/9W) + cooling kit		
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply 1x230V 50Hz		

#### Average Climate

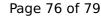
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	181 %	131 %
Prated	8.0 kW	8.0 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
	,	•





This information was generated by the HF RETMARK database on 10 Mai 2022			
Pdh Tj = -7°C	7.0 kW	6.9 kW	
$COP Tj = -7^{\circ}C$	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 = $+7^{\circ}$ C	3.3 kW	3.3 kW	
$COPTj = +7^{\circ}C$	6.49	4.64	
Cdh Tj = +7 °C	1.0	1.0	
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	
РТО	10 W	10 W	
PSB	10 W	10 W	





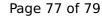
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.1 kW	0.9 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

### Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	7.50 kW	7.50 kW	
El input	1.63 kW	2.78 kW	
СОР	4.60	2.70	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

## Cooling





EN 14511-2		
	+7°C/+12°C	
El input	1.73 kW	
Cooling capacity	5.44	
EER	3.14	

#### EN 14825

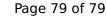




	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	571 kWh

### Domestic Hot Water (DHW)

## **Average Climate**





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288	