

Login

Summary of	DAIKIN ALTHERMA 3 R ECH2O 08KW (500L) (/A)	Reg. No.	011-1W0267	
Certificate Holder	Certificate Holder			
Name	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	Pump Type Outdoor Air/Water			
Refrigerant	erant R32			
Mass of Refrigerant	ass 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
СОР	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



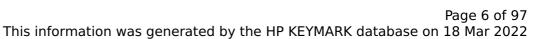


	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
PCK	o w
Annual energy consumption Qce	571 kWh



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)

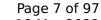
EN 14825		
	Low temperature	Medium temperature
η_{s}	181 %	131 %
Prated	8 kW	8 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	6.9 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0





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	0.94 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	XL
Efficiency ηDHW	106 %
СОР	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



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	
СОР	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

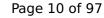
Cooling





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 KE	
	+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



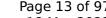
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

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

Page 12 of 97

This information was genera	ited by the HP KEYMAI	RK database on 18 Mar 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
РТО	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)





$$\operatorname{\textit{Page}}\ 13$$ of 97 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	110 %	
СОР	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	



Model: ERGA08EV / EHSH08P50D3

Configure model		
Model name	ERGA08EV / EHSH08P50D3	
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	
СОР	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

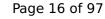
Cooling





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

EI4 14311-2		
	+7°C/+12°C	
El input	1.73 kW	
Cooling capacity	5.44	
EER	3.14	
EN 14825		





This information was generated by the Fir KE	+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



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 = $+2^{\circ}$ 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

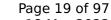


Page 18 of 97

This information was generated by the HP KEYMARK database on 18 Mar 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
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	0.94 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	106 %	
СОР	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	



Model: ERGA08EV / EHSHB08P50D3

Configure model			
Model name	ERGA08EV / EHSHB08P50D3		
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
СОР	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



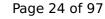


This information was generated by the Fill RE	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
PCK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



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)

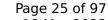
EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	130 %
Prated	8 kW	8 kW
SCOP	4.56	3.32
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	6.9 kW
$COPTj = -7^{\circ}C$	2.77	1.96
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = $+2$ °C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°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 genera		
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	0.94 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	110 %	
СОР	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	



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		

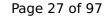
General Data		
Power supply	1x230V 50Hz	

Heating

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

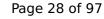
Cooling





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

EN 14825





	+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



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
$COP Tj = -7^{\circ}C$	2.77	1.98
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = $+2$ °C	4.2 kW	4.1 kW
$COPTj = +2^{\circ}C$	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

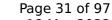


Page 30 of 97

This information was generated by the HP KEYMARK database on 18 Mar 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
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	3.5 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	106 %	
СОР	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	



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	
СОР	4.60	2.70	

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

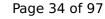
Cooling



Page 33 of 97

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

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





	+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



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 = $+7^{\circ}$ C	3.3 kW	3.0 kW	
$COPTj = +7^{\circ}C$	6.49	4.54	
Cdh Tj = +7 °C	1.0	1.0	

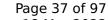


Page 36 of 97

This information was generated by the HP KEYMARK database on 18 Mar 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
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	3.5 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	110 %	
СОР	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	



Model: ERGA08EVA / EHSH08P50D3

Configure model		
Model name	ERGA08EVA / EHSH08P50D3	
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
СОР	4.60	2.70

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

Cooling



Page 39 of 97

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

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

ΕN	14	182	25
----	----	-----	----





	+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



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)

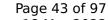
EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	128 %
Prated	8 kW	8 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	5.9 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.1 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.0 kW
COP Tj = +7°C	6.49	4.54
Cdh Tj = +7 °C	1.0	1.0



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	o 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)

CEN heat pump KEYMARK





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	106 %	
СОР	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	



Model: ERGA08EVA / EHSHB08P50D3

Configure model		
Model name	ERGA08EVA / EHSHB08P50D3	
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
СОР	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



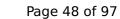


	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	o w
Annual energy consumption Qce	571 kWh



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





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
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	3.5 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	110 %	
СОР	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	



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	

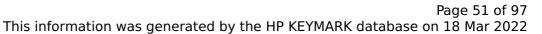
General Data		
Power supply	1x230V 50Hz	

Heating

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

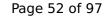
Cooling





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

	+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



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)

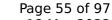
EN 14825		
	Low temperature	Medium temperature
η_{s}	181 %	131 %
Prated	8 kW	8 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7° C	7.0 kW	6.9 kW
$COPTj = -7^{\circ}C$	2.77	1.96
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = $+2$ °C	4.2 kW	4.4 kW
$COPTj = +2^{\circ}C$	4.35	3.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.3 kW
$COP Tj = +7^{\circ}C$	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0





Pdh Tj = 12°C	3.9 kW	4.1 kW
ruii ij	J.9 KVV	4.1 KVV
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	o w	o 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)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	106 %	
СОР	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	

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	
СОР	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

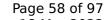
Cooling





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 Fir KE	+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



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)

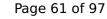
EN 14825		
	Low temperature	Medium temperature
η_{s}	181 %	131 %
Prated	8 kW	8 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	6.9 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1.0	1.0





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	0.94 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	110 %	
СОР	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	



Model: ERGA08EVH / EHSH08P50D3

Configure model		
Model name	ERGA08EVH / EHSH08P50D3	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

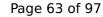
General Data		
Power supply 1x230V 50Hz		

Heating

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



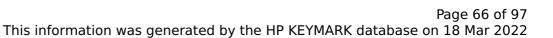


	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	571 kWh



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)

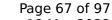
EN 14825			
Low temperature Medium tempera			
η_{s}	179 %	130 %	
Prated	8 kW	8 kW	
SCOP	4.56	3.32	
Tbiv	-8 °C	-8 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	7.0 kW	6.9 kW	
COP Tj = -7°C	2.77	1.96	
Cdh Tj = -7 °C	n/a	1.0	
Pdh Tj = $+2^{\circ}$ C	4.2 kW	4.4 kW	
COP Tj = +2°C	4.35	3.20	
Cdh Tj = +2 °C	1.0	1.0	
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	





	<u> </u>	
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	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)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	106 %	
СОР	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	



Model: ERGA08EVH / EHSHB08P50D3

Configure model		
Model name ERGA08EVH / EHSHB08P50D3		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

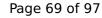
General Data		
Power supply	1x230V 50Hz	

Heating

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

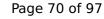
Cooling





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

EN 14825



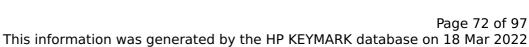


This information was generated by the HP KETMARK database on 16 Mar 202		
	+7°C/+12°C	
Pdesignc	5.40 kW	
SEER	5.71	
Pdc Tj = 35°C	5.44 kW	
EER Tj = 35°C	3.14	
Pdc Tj = 30°C	4.02 kW	
EER Tj = 30°C	4.84	
Cdc	1.0	
Pdc Tj = 25°C	2.47 kW	
EER Tj = 25°C	6.86	
Cdc	1.0	
Pdc Tj = 20°C	2.54 kW	
EER Tj = 20°C	8.47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



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)

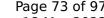
EN 14825			
	Low temperature	Medium temperature	
η_{s}	179 %	130 %	
Prated	8 kW	8 kW	
SCOP	4.56	3.32	
Tbiv	-8 °C	-8 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	7.0 kW	6.9 kW	
COP Tj = -7°C	2.77	1.96	
Cdh Tj = -7 °C	n/a	1.0	
Pdh Tj = +2°C	4.2 kW	4.4 kW	
COP Tj = +2°C	4.35	3.20	
Cdh Tj = +2 °C	1.0	1.0	
Pdh Tj = +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 general	y -	
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	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)

CEN heat pump KEYMARK





$$\operatorname{\textit{Page}}\xspace$ 73 of 97 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	110 %	
СОР	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	



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	

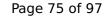
General Data		
Power supply	1x230V 50Hz	

Heating

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

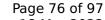
Cooling





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

EN 14825





	+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



	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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com

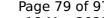


Page 78 of 97

This information was generated by the HP KEYMARK database on 18 Mar 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
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	0.94 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

Domestic Hot Water (DHW)





$$\operatorname{\textit{Page}}\ 79$$ of 97 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147	
Declared load profile	XL
Efficiency ηDHW	125 %
СОР	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



Model: ERGA08EVH / EHSH(B)08P50E

Configure model		
Model name	ERGA08EVH / EHSH(B)08P50E	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

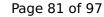
General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2		
Low temperature Medium temperature		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	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

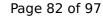
Cooling





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 Fir KE	+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



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
$COP Tj = +2^{\circ}C$	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

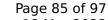
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





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	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)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	125 %	
СОР	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	



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	
СОР	4.60	2.70	

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

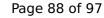
Cooling





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	o w
Annual energy consumption Qce	571 kWh



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

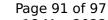
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





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
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	3.1 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	125 %	
СОР	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	



Model: ERGA08EVA / EHSH(B)08P50E

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

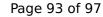
General Data		
Power supply	1x230V 50Hz	

Heating

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

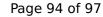
Cooling





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

EN 14825





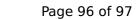
This information was generated by the Fill RE	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
PCK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



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	

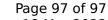
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





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
РТО	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)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	125 %	
СОР	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	