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Login

Summary of	DAIKIN ALTHERMA 3 R ECH2O 08KW (300L) (/A)	Reg. No.	011-1W0266
Certificate Holder	Certificate Holder		
Name	Name DAIKIN Europe N.V.		
Address	Zandvoordestraat 300 Zip B-8400		B-8400
City	Oostende	Country	Belgium
Certification Body DIN CERTCO Gesellschaft für Konformitätsbewertung mbH			
Subtype title	DAIKIN ALTHERMA 3 R ECH2O 08KW (300L) (/A)		
Heat Pump Type	mp Type Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	of Refrigerant 1.5 kg		
Certification Date	on Date 17.08.2018		
Testing basis	esting basis European KEYMARK Scheme for Heat Pumps Rev. 9 (as of 2021-03)		



Model: ERGA08EV / EHSX08P30D3

Configure model		
Model name	ERGA08EV / EHSX08P30D3	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

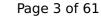
General Data		
Power supply	1x230V 50Hz	

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

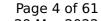
Cooling





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
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)		62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{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
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.000
Pdh Tj = +2°C	4.20 kW	4.40 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.30 kW	3.30 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1.000	1.000





Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.000	1.000
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	1.000	1.000
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	0.94 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	L
Efficiency ηDHW	115 %
СОР	2.76
Heating up time	1:23 h:min
Standby power input	31.7 W
Reference hot water temperature	44.5 °C
Mixed water at 40°C	137.0



Model: ERGA08EV / EHSH08P30D3

Configure model		
Model name	ERGA08EV / EHSH08P30D3	
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

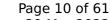
Cooling





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



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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	8.00 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
COP Tj = -7 °C	2.77	1.96
Cdh Tj = -7 °C	n/a	1.000
Pdh Tj = $+2$ °C	4.20 kW	4.40 kW
COP Tj = +2°C	4.35	3.20
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.30 kW	3.30 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1.000	1.000

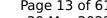


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This information was generated by the HP KEYMARK database on 29 Mar 2022

_	
3.90 kW	4.10 kW
8.52	6.22
1.000	1.000
7.50 kW	7.50 kW
2.66	1.90
6.90 kW	7.10 kW
2.41	1.64
1.000	1.000
35 °C	55 °C
10 W	10 W
10 W	10 W
10 W	10 W
0 W	0 W
Electricity	Electricity
1.10 kW	0.94 kW
3625 kWh	4975 kWh
	8.52 1.000 7.50 kW 2.66 6.90 kW 2.41 1.000 35 °C 10 W 10 W 0 W Electricity 1.10 kW

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.76	
Heating up time	1:23 h:min	
Standby power input	31.7 W	
Reference hot water temperature	44.5 °C	
Mixed water at 40°C	137.0	



Model: ERGA08EVA / EHSX08P30D3

Configure model		
Model name	ERGA08EVA / EHSX08P30D3	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

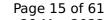
General Data			
Power supply 1x230V 50Hz			

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

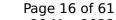
Cooling





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 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



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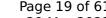
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	181 %	129 %
Prated	8 kW	8 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	5.9 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	4.2 kW	4.1 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3 kW	3.0 kW
COP Tj = +7°C	6.49	4.54
Cdh Tj = +7 °C	1.0	1.0



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)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.76	
Heating up time	1:23 h:min	
Standby power input	31.7 W	
Reference hot water temperature	44.5 °C	
Mixed water at 40°C	137.0	



Model: ERGA08EVA / EHSH08P30D3

Configure model		
Model name	ERGA08EVA / EHSH08P30D3	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

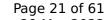
General Data		
Power supply	1x230V 50Hz	

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

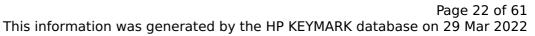
Cooling





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
РСК	o w
Annual energy consumption Qce	571 kWh



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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)	

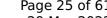
EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	128 %
Prated	8 kW	8 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	5.9 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = $+2$ °C	4.2 kW	4.1 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.3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



	CEN heat pump KEYMARK This information was g
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Pdh Tj = 12°C	3.9 kW	3.7 kW
COP Tj = 12°C	8.52	6.16
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	6.4 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	4.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
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)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.76	
Heating up time	1:23 h:min	
Standby power input	31.7 W	
Reference hot water temperature	44.5 °C	
Mixed water at 40°C	137.0	



Model: ERGA08EVH / EHSX08P30D3

Configure model			
Model name	ERGA08EVH / EHSX08P30D3		
Application	Heating + DHW + low temp		
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	+7°C/12°C		

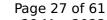
General Data		
Power supply 1x230V 50Hz		

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	

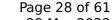
Cooling





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 KEYMARK database on 29 Mar 2022 +7°C/+12°C 5.40 kW **Pdesignc SEER** 5.71 $Pdc Tj = 35^{\circ}C$ 5.44 kW 3.14 EER Tj = 35°C $Pdc Tj = 30^{\circ}C$ 4.02 kW EER Tj = 30°C 4.84 Cdc 1.0 2.47 kW $Pdc Tj = 25^{\circ}C$ 6.86 EER Tj = 25°C Cdc 1.0 $Pdc Tj = 20^{\circ}C$ 2.54 kW EER Tj = 20°C 8.47 Cdc 1.0 Poff 10 W PTO 10 W 10 W **PSB PCK** 0 W

Average Climate

Annual energy consumption Qce

571 kWh



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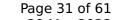
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	39 dB(A)	39 dB(A)	
Sound power level outdoor	62 dB(A)	62 dB(A)	

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	L	
Efficiency ηDHW	115 %	
СОР	2.76	
Heating up time	1:23 h:min	
Standby power input	31.7 W	
Reference hot water temperature	44.5 °C	
Mixed water at 40°C	137.0	



Model: ERGA08EVH / EHSH08P30D3

Configure model			
Model name	ERGA08EVH / EHSH08P30D3		
Application	Heating + DHW + low temp		
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	No		
Cooling mode application (optional)	n/a		

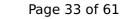
General Data		
Power supply 1x230V 50Hz		

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

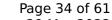
Cooling





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	o w
Annual energy consumption Qce	571 kWh



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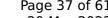
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

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



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)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.76	
Heating up time	1:23 h:min	
Standby power input	31.7 W	
Reference hot water temperature	44.5 °C	
Mixed water at 40°C	137.0	



Model: ERGA08EVA / EHSH08P30E

Configure model		
Model name	ERGA08EVA / EHSH08P30E	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

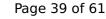
General Data		
Power supply	1x230V 50Hz	

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	

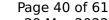
Cooling





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 KEYMARK database on 29 Mar 2022 +7°C/+12°C 5.40 kW **Pdesignc SEER** 5.71 $Pdc Tj = 35^{\circ}C$ 5.44 kW 3.14 EER Tj = 35°C $Pdc Tj = 30^{\circ}C$ 4.02 kW EER Tj = 30°C 4.84 Cdc 1.0 2.47 kW $Pdc Tj = 25^{\circ}C$ 6.86 EER Tj = 25°C Cdc 1.0 $Pdc Tj = 20^{\circ}C$ 2.54 kW EER Tj = 20°C 8.47 Cdc 1.0 Poff 10 W PTO 10 W

Average Climate

Annual energy consumption Qce

PSB

PCK

10 W

0 W

571 kWh



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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)

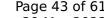
EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	128 %
Prated	8.0 kW	7.5 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.0 kW	5.9 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = $+2$ °C	4.2 kW	4.1 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = $+7^{\circ}$ C	3.3 kW	3.0 kW
COP Tj = +7°C	6.49	4.54
Cdh Tj = +7 °C	1.0	1.0

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Pdh Tj = 12°C	3.9 kW	3.7 kW
COP Tj = 12°C	8.52	6.16
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	6.4 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	4.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
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	3.1 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Domestic Hot Water (DHW)





$$\operatorname{\textit{Page}}\xspace$ 43 of 61 This information was generated by the HP KEYMARK database on 29 Mar 2022

EN 16147		
Declared load profile	L	
Efficiency ηDHW	118 %	
СОР	2.80	
Heating up time	1:34 h:min	
Standby power input	40.4 W	
Reference hot water temperature	44.6 °C	
Mixed water at 40°C	140.4	

Model: ERGA08EVA / EHSX08P30E

Configure model		
Model name	ERGA08EVA / EHSX08P30E	
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





 $$\operatorname{\textit{Page}}$$ 45 of 61 This information was generated by the HP KEYMARK database on 29 Mar 2022

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



 $$\operatorname{\textit{Page}}\xspace$ 47 of 61 This information was generated by the HP KEYMARK database on 29 Mar 2022

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

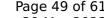
EN 14825			
	Low temperature	Medium temperature	
η_{s}	181 %	129 %	
Prated	8.0 kW	7.5 kW	
SCOP	4.61	3.30	
Tbiv	-8 °C	-6 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	7.0 kW	5.9 kW	
COP Tj = -7°C	2.77	1.98	
Cdh Tj = -7 °C	n/a	1.0	
Pdh Tj = +2°C	4.2 kW	4.1 kW	
COP Tj = +2°C	4.35	3.18	
Cdh Tj = +2 °C	1.0	1.0	
Pdh 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	

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Pdh Tj = 12°C	3.9 kW	3.7 kW
COP Tj = 12°C	8.52	6.16
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	7.5 kW	6.4 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.9 kW	4.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
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	3.1 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Domestic Hot Water (DHW)





$$\operatorname{\textit{Page}}$$ 49 of 61 This information was generated by the HP KEYMARK database on 29 Mar 2022

EN 16147		
Declared load profile	L	
Efficiency ηDHW	118 %	
СОР	2.80	
Heating up time	1:34 h:min	
Standby power input	40.4 W	
Reference hot water temperature	44.6 °C	
Mixed water at 40°C	140.4	



Model: ERGA08EVH / EHSH08P30E

Configure model		
Model name	ERGA08EVH / EHSH08P30E	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

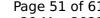
	General Data	
Power supply	1x230V 50Hz	

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

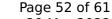




 $$\operatorname{\textit{Page}}\xspace\,51$ of 61 This information was generated by the HP KEYMARK database on 29 Mar 2022

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

EN 14825





This information was generated by the HP KEYMARK database on 29 Mar 2022 +7°C/+12°C 5.40 kW **Pdesignc SEER** 5.71 $Pdc Tj = 35^{\circ}C$ 5.44 kW 3.14 EER Tj = 35°C $Pdc Tj = 30^{\circ}C$ 4.02 kW EER Tj = 30°C 4.84 Cdc 1.0 2.47 kW $Pdc Tj = 25^{\circ}C$ 6.86 EER Tj = 25°C Cdc 1.0 $Pdc Tj = 20^{\circ}C$ 2.54 kW EER Tj = 20°C 8.47 Cdc 1.0 Poff 10 W PTO 10 W 10 W **PSB PCK** 0 W

Average Climate

Annual energy consumption Qce

571 kWh



 $$\operatorname{\textit{Page}}\xspace$ 53 of 61 This information was generated by the HP KEYMARK database on 29 Mar 2022

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

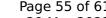
EN 14825			
Low temperature Medium tempera			
η_{s}	179 %	130 %	
Prated	8.00 kW	8.00 kW	
SCOP	4.56	3.32	
Tbiv	-8 °C	-8 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	7.00 kW	6.90 kW	
COP Tj = -7°C	2.77	1.96	
Cdh Tj = -7 °C	n/a	1.000	
Pdh Tj = +2°C	4.20 kW	4.40 kW	
COP Tj = +2°C	4.35	3.20	
Cdh Tj = +2 °C	1.000	1.000	
Pdh Tj = +7°C	3.30 kW	3.30 kW	
COP Tj = +7°C	6.49	4.64	
Cdh Tj = +7 °C	1.000	1.000	

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Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.000	1.000
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	1.000	1.000
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	1.10 kW	0.94 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	118 %	
СОР	2.80	
Heating up time	1:34 h:min	
Standby power input	40.4 W	
Reference hot water temperature	44.6 °C	
Mixed water at 40°C	140.4	

Model: ERGA08EVH / EHSX08P30E

Configure model		
Model name ERGA08EVH / EHSX08P30E		
Application Heating + DHW + low temp		
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

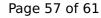
General Data		
Power supply	1x230V 50Hz	

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

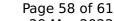
Cooling





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

EN 14825





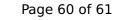
	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
PCK	o w
Annual energy consumption Qce	571 kWh



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	8.00 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	
COP Tj = -7°C	2.77	1.96	
Cdh Tj = -7 °C	n/a	1.000	
Pdh Tj = +2°C	4.20 kW	4.40 kW	
COP Tj = +2°C	4.35	3.20	
Cdh Tj = +2 °C	1.000	1.000	
Pdh Tj = +7°C	3.30 kW	3.30 kW	
COP Tj = +7°C	6.49	4.64	
Cdh Tj = +7 °C	1.000	1.000	

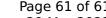
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Pdh Tj = 12°C	3.90 kW	4.10 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	7.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	1.10 kW	0.94 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

Domestic Hot Water (DHW)





$$\operatorname{Page}\ 61$$ of 61 This information was generated by the HP KEYMARK database on 29 Mar 2022

EN 16147			
Declared load profile	L		
Efficiency ηDHW	118 %		
СОР	2.80		
Heating up time	1:34 h:min		
Standby power input	40.4 W		
Reference hot water temperature	44.6 °C		
Mixed water at 40°C	140.4		