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Summary of	ECOAIR EVI 3-12kW	Reg. No.	011-1W0325	
Certificate Holder				
Name	Ecoforest Geotermia S.L.	Ecoforest Geotermia S.L.		
Address	Rúa das Pontes, 25	Zip	36350	
City	Nigrán (Pontevedra)	Country	Spain	
Certification Body	DIN CERTCO Gesellschaft für	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	ECOAIR EVI 3-12kW			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410a			
Mass Of Refrigerant	2.5 kg	2.5 kg		
Certification Date	12.11.2019	12.11.2019		



Model: ECOAIR EVI T 3-12kW

General Data		
Power supply	3x400V 50Hz	

Heating

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

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.00 kW	6.29 kW	
El input	1.31 kW	1.98 kW	
СОР	4.57	3.18	

Average Climate





EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	57 dB(A)	57 dB(A)	
Sound power level outdoor	65 dB(A)	65 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	183 %	150 %
Prated	7.00 kW	8.00 kW
SCOP	4.64	3.82
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.71 kW	7.47 kW
COP Tj = -7°C	3.75	2.77
Cdh	0.990	1.000
Pdh Tj = +2°C	3.99 kW	4.48 kW
COP Tj = +2°C	4.63	3.85
Cdh	0.990	0.990
Pdh Tj = +7°C	2.63 kW	2.99 kW
COP Tj = +7°C	5.44	4.47
Cdh	0.980	0.990





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Pdh Tj = 12°C	2.32 kW	2.20 kW
COP Tj = 12°C	6.03	5.44
Cdh	0.980	0.980
Pdh Tj = Tbiv	6.09 kW	7.08 kW
COP Tj = Tbiv	2.64	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.57 kW	7.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.34	2.49
WTOL	60 °C	60 °C
Poff	9 W	9 W
РТО	9 W	9 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.55 kW	0.55 kW
Annual energy consumption Qhe	3115 kWh	4330 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{S}	205 %	160 %
Prated	5.00 kW	7.00 kW
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	rated by the HF KLTMP	ARK database on 1 Mar 2021
SCOP	5.19	4.06
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.95 kW	6.71 kW
COP Tj = +2°C	3.17	2.31
Cdh	0.990	1.000
Pdh Tj = +7°C	3.82 kW	4.62 kW
$COPTj = +7^{\circ}C$	5.45	3.98
Cdh	0.990	0.990
Pdh Tj = 12°C	2.15 kW	2.18 kW
COP Tj = 12°C	5.89	4.71
Cdh	0.980	0.980
Pdh Tj = Tbiv	4.95 kW	6.71 kW
COP Tj = Tbiv	3.17	2.31
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.95 kW	6.71 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.17	2.31
WTOL	60 °C	60 °C
Poff	9 W	9 W
РТО	9 W	9 W
PSB	8 W	8 W
РСК	o w	o w





This information	was generated by	the HP KEYMARK	database on 1 I	Mar 2021

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1288 kWh	2302 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level outdoor	65 dB(A)	65 dB(A)	

Colder Climate

	Low temperature	Medium temperature
η_{s}	161 %	167 %
Prated	6.80 kW	6.80 kW
SCOP	3.92	4.26
Tbiv	-14 °C	-14 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.38 kW	4.50 kW
COP Tj = -7°C	3.96	3.71
Cdh	0.990	0.990
Pdh Tj = +2°C	2.51 kW	2.63 kW
COP Tj = +2°C	4.67	5.33





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Cdh	0.980	0.980
Pdh Tj = $+7^{\circ}$ C	2.03 kW	2.47 kW
$COPTj = +7^{\circ}C$	5.28	7.73
Cdh	0.970	0.970
Pdh Tj = 12°C	2.23 kW	2.25 kW
COP Tj = 12°C	6.83	7.24
Cdh	0.970	0.970
Pdh Tj = Tbiv	5.45 kW	5.73 kW
COP Tj = Tbiv	2.35	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.30 kW	6.71 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.33
WTOL	60 °C	60 °C
Poff	9 W	9 W
РТО	9 W	9 W
PSB	8 W	8 W
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	0.60 kW
Annual energy consumption Qhe	4079 kWh	3935 kWh
Pdh Tj = -15°C (if TOL<-20°C)	5.65	5.96
COP Tj = -15 °C (if TOL< -20 °C)	3.23	2.13
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This information	was generated by	the HP	KFYMARK	database or	1 Mar 2021
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Cdh	1.000	1.000	
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EN 12102-1			
	Low temperature	Medium temperature	
Sound power level outdoor	65 dB(A)	65 dB(A)	



Model: ECOAIR EVI 3-12kW

General Data		
Power supply 1x230V 50Hz		

Heating

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

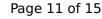
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.00 kW	6.29 kW	
El input	1.31 kW	1.98 kW	
СОР	4.57	3.18	

Average Climate



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	Low temperature	Medium temperature		
Sound power level indoor	0 dB(A)	0 dB(A)		
Sound power level outdoor 65 dB(A) 65 dB(A)				

EN 14825		
	Low temperature	Medium temperature
η_{s}	183 %	150 %
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Cdh	0.980	0.990





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9 W	9 W
8 W	8 W
o w	o w
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	4.67 0.980 2.03 kW 5.28 0.970 2.23 kW 6.83 0.970 5.45 kW 2.35 6.30 kW 2.73 60 °C 9 W 9 W 8 W 0 W Electricity 0.90 kW 4079 kWh 5.65



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Cdh	1.000	1.000
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Sound power level indoor	0 dB(A)	0 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)