

Summary of	DAIKIN ALTHERMA 3 R 7 ECH2O 4kW (300L)	Reg. No.	011-1W0367
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		
Name of testing laboratory	Universität Stuttgart, IGE, Prüfstelle HLK		
Subtype title	DAIKIN ALTHERMA 3 R 7 ECH2O 4kW (300L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	1.5 kg		
Certification Date	09.04.2020		



# Model: ERGA04DV7 / EHSX04P30D2

General Data	
Power supply 1x230V 50Hz	

### Average Climate

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	195 %	127 %
Prated	6.00 kW	6.00 kW
SCOP	4.96	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7^{\circ}$ C	6.17 kW	5.30 kW
$COP Tj = -7^{\circ}C$	3.23	1.97
Cdh	1.00	1.00
Pdh Tj = +2°C	3.71 kW	3.30 kW
COP Tj = +2°C	4.94	3.23
Cdh	0.99	1.00
Pdh Tj = $+7^{\circ}$ C	3.20 kW	3.00 kW
$COPTj = +7^{\circ}C$	6.19	4.40
Cdh	0.98	1.00
Pdh Tj = 12°C	3.27 kW	3.30 kW





This information was get	Teracea by the rin Renn	AIR database on 17 Dec 2020
COP Tj = 12°C	7.78	6.10
Cdh	0.98	1.00
Pdh Tj = Tbiv	6.17 kW	5.30 kW
COP Tj = Tbiv	3.23	1.97
Pdh Tj = TOL	5.22 kW	4.00 kW
COP Tj = TOL	2.56	1.37
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	Electrical	Electrical
Supplementary Heater: PSUP	0.78 kW	2.30 kW
Annual energy consumption Qhe	2501 kWh	3806 kWh

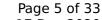
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)



EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.36 kW	4.90 kW
El input	0.83 kW	1.85 kW
СОР	5.23	2.65
Indoor water flow rate	0.74 m³/h	0.60 m³/h

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

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

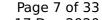


# Model: ERGA04DV7 / EHSXB04P30D2

General Data		
Power supply 1x230V 50Hz		

### Average Climate

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	195 %	127 %
Prated	6.00 kW	6.00 kW
SCOP	4.96	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.17 kW	5.30 kW
COP Tj = -7°C	3.23	1.97
Cdh	1.00	1.00
Pdh Tj = +2°C	3.71 kW	3.30 kW
COP Tj = +2°C	4.94	3.23
Cdh	0.99	1.00
Pdh Tj = $+7^{\circ}$ C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh	0.98	1.00
Pdh Tj = 12°C	3.27 kW	3.30 kW





This information was generated by the HP KEYMARK database on 17 Dec 2020  $COP Tj = 12^{\circ}C$ 7.78 6.10 Cdh 1.00 0.98 6.17 kW 5.30 kW Pdh Tj = TbivCOP Tj = Tbiv 3.23 1.97 Pdh Tj = TOL5.22 kW 4.00 kW COP Tj = TOL2.56 1.37 35 °C 55 °C WTOL Poff 10 W 10 W PTO 10 W 10 W 10 W 10 W **PSB PCK** 0 W 0 W Supplementary Heater: Type of energy input Electrical Electrical Supplementary Heater: PSUP 0.78 kW 2.30 kW

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

2501 kWh

3806 kWh

#### Heating

Annual energy consumption Qhe



EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.36 kW	4.90 kW
El input	0.83 kW	1.85 kW
СОР	5.23	2.65
Indoor water flow rate	0.74 m³/h	0.60 m³/h

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

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	

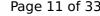


# Model: ERGA04DV7 / EHSH04P30D2

General Data		
Power supply	1x230V 50Hz	

### Average Climate

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	192 %	127 %
Prated	6.00 kW	6.00 kW
SCOP	4.88	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.17 kW	5.30 kW
COP Tj = -7°C	3.23	1.97
Cdh	1.00	1.00
Pdh Tj = +2°C	3.71 kW	3.30 kW
COP Tj = +2°C	4.94	3.23
Cdh	0.99	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh	0.98	1.00
Pdh Tj = 12°C	3.27 kW	3.30 kW





 $$\operatorname{\textit{Page}}\ 11$$  of 33 This information was generated by the HP KEYMARK database on 17 Dec 2020

COP Tj = 12°C	7.78	6.10
Cdh	0.98	1.00
Pdh Tj = Tbiv	6.17 kW	5.30 kW
COP Tj = Tbiv	3.23	1.97
Pdh Tj = TOL	5.22 kW	4.00 kW
COP Tj = TOL	2.56	1.37
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	Electrical	Electrical
Supplementary Heater: PSUP	0.78 kW	2.30 kW
Annual energy consumption Qhe	2538 kWh	3806 kWh

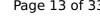
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	39 dB(A)	39 dB(A)	
Sound power level outdoor	58 dB(A)	58 dB(A)	



EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.36 kW	4.90 kW	
El input	0.83 kW	1.85 kW	
СОР	5.23	2.65	
Indoor water flow rate	0.74 m³/h	0.60 m³/h	

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

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	

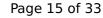


# Model: ERGA04DV7 / EHSHB04P30D2

General Data		
Power supply	1x230V 50Hz	

### Average Climate

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	192 %	127 %
Prated	6.00 kW	6.00 kW
SCOP	4.88	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.17 kW	5.30 kW
$COP Tj = -7^{\circ}C$	3.23	1.97
Cdh	1.00	1.00
Pdh Tj = +2°C	3.71 kW	3.30 kW
COP Tj = +2°C	4.94	3.23
Cdh	0.99	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
$COPTj = +7^{\circ}C$	6.19	4.40
Cdh	0.98	1.00
Pdh Tj = 12°C	3.27 kW	3.30 kW





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COP Tj = 12°C	7.78	6.10	
Cdh	0.98	1.00	
Pdh Tj = Tbiv	6.17 kW	5.30 kW	
COP Tj = Tbiv	3.23	1.97	
Pdh Tj = TOL	5.22 kW	4.00 kW	
COP Tj = TOL	2.56	1.37	
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	Electrical	Electrical	
Supplementary Heater: PSUP	0.78 kW	2.30 kW	
Annual energy consumption Qhe	2538 kWh	3806 kWh	

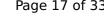
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)



EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.36 kW	4.90 kW
El input	0.83 kW	1.85 kW
СОР	5.23	2.65
Indoor water flow rate	0.74 m³/h	0.60 m³/h

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

Domestic Hot Water (DHW)





 $$\operatorname{\textit{Page}}\ 17$$  of 33 This information was generated by the HP KEYMARK database on 17 Dec 2020

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

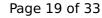


# Model: ERGA04EV7 / EHSX04P30D3

General Data	
Power supply	1x230V 50Hz

### Average Climate

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	195 %	129 %
Prated	6.00 kW	6.00 kW
SCOP	4.96	3.29
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.20 kW	5.30 kW
COP Tj = -7°C	3.23	1.97
Cdh		1.00
Pdh Tj = +2°C	3.70 kW	3.30 kW
COP Tj = +2°C	4.94	3.23
Cdh	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	3.20 kW	3.00 kW
$COPTj = +7^{\circ}C$	6.19	4.40
Cdh	1.00	1.00
Pdh Tj = 12°C	3.30 kW	3.30 kW





COP Tj = 12°C	7.78	6.10
Cdh	1.00	1.00
Pdh Tj = Tbiv	6.20 kW	5.30 kW
COP Tj = Tbiv	3.23	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
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	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2501 kWh	3769 kWh

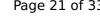
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)



EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.36 kW	4.90 kW
El input	0.83 kW	1.85 kW
СОР	5.23	2.65
Indoor water flow rate	0.74 m³/h	0.60 m³/h

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

Domestic Hot Water (DHW)





 $$\operatorname{\textit{Page}}\xspace$  21 of 33 This information was generated by the HP KEYMARK database on 17 Dec 2020

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



# Model: ERGA04EV7 / EHSXB04P30D3

General Data	
Power supply	1x230V 50Hz

### Average Climate

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	195 %	129 %
Prated	6.00 kW	6.00 kW
SCOP	4.96	3.29
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.20 kW	5.30 kW
COP Tj = -7°C	3.23	1.97
Cdh		1.00
Pdh Tj = +2°C	3.70 kW	3.30 kW
COP Tj = +2°C	4.94	3.23
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh	1.00	1.00
Pdh Tj = 12°C	3.30 kW	3.30 kW





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COP Tj = 12°C	7.78	6.10
Cdh	1.00	1.00
Pdh Tj = Tbiv	6.20 kW	5.30 kW
COP Tj = Tbiv	3.23	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
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	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2501 kWh	3769 kWh

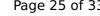
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)



EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.36 kW	4.90 kW
El input	0.83 kW	1.85 kW
СОР	5.23	2.65
Indoor water flow rate	0.74 m³/h	0.60 m³/h

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

Domestic Hot Water (DHW)





 $$\operatorname{\textit{Page}}\xspace$  25 of 33 This information was generated by the HP KEYMARK database on 17 Dec 2020

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

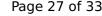


# Model: ERGA04EV7 / EHSH04P30D3

General Data		
Power supply	1x230V 50Hz	

### Average Climate

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	192 %	127 %
Prated	6.00 kW	6.00 kW
SCOP	4.88	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.20 kW	5.30 kW
COP Tj = -7°C	3.23	1.97
Cdh		1.00
Pdh Tj = +2°C	3.70 kW	3.30 kW
COP Tj = +2°C	4.94	3.23
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
$COPTj = +7^{\circ}C$	6.19	4.40
Cdh	1.00	1.00
Pdh Tj = 12°C	3.30 kW	3.30 kW





 $$\operatorname{\textit{Page}}\xspace$  27 of 33 This information was generated by the HP KEYMARK database on 17 Dec 2020

This information was generated by the Hir KETMAKK database on 17 Dec 2021			
COP Tj = 12°C	7.78	6.10	
Cdh	1.00	1.00	
Pdh Tj = Tbiv	6.20 kW	5.30 kW	
COP Tj = Tbiv	3.23	1.97	
Pdh Tj = TOL	5.20 kW	4.00 kW	
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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	Electrical	Electrical	
Supplementary Heater: PSUP	0.80 kW	2.00 kW	
Annual energy consumption Qhe	2538 kWh	3806 kWh	

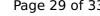
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)



EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.36 kW	4.90 kW
El input	0.83 kW	1.85 kW
СОР	5.23	2.65
Indoor water flow rate	0.74 m³/h	0.60 m³/h

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

Domestic Hot Water (DHW)





# $$\operatorname{\textit{Page}}\xspace$ 29 of 33 This information was generated by the HP KEYMARK database on 17 Dec 2020

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

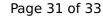


# Model: ERGA04EV7 / EHSHB04P30D3

General Data	
Power supply	1x230V 50Hz

### Average Climate

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	192 %	127 %
Prated	6.00 kW	6.00 kW
SCOP	4.88	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.20 kW	5.30 kW
COP Tj = -7°C	3.23	1.97
Cdh		1.00
Pdh Tj = +2°C	3.70 kW	3.30 kW
COP Tj = +2°C	4.94	3.23
Cdh	1.00	1.00
Pdh Tj = $+7$ °C	3.20 kW	3.00 kW
$COPTj = +7^{\circ}C$	6.19	4.40
Cdh	1.00	1.00
Pdh Tj = 12°C	3.30 kW	3.30 kW





7.78	6.10
1.00	1.00
6.20 kW	5.30 kW
3.23	1.97
5.20 kW	4.00 kW
2.56	1.37
35 °C	55 °C
10 W	10 W
10 W	10 W
10 W	10 W
o w	0 W
Electrical	Electrical
0.80 kW	2.00 kW
2538 kWh	3806 kWh
	7.78  1.00  6.20 kW  3.23  5.20 kW  2.56  35 °C  10 W  10 W  0 W  Electrical  0.80 kW

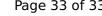
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)



EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.36 kW	4.90 kW
El input	0.83 kW	1.85 kW
СОР	5.23	2.65
Indoor water flow rate	0.74 m³/h	0.60 m³/h

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

Domestic Hot Water (DHW)





# $$\operatorname{\textit{Page}}\xspace$ 33 of 33 This information was generated by the HP KEYMARK database on 17 Dec 2020

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