

Summary of	DAIKIN ALTHERMA 3 R F 8KW (180L) /A	Reg. No.	011-1W0251	
Certificate Holder			:	
Name	DAIKIN Europe N.V.	DAIKIN Europe N.V.		
Address	Zandvoordestraat 300	Zandvoordestraat 300 Zip B-8400		
City	Oostende	Country	Belgium	
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH			
Name of testing laboratory	Danish Technological Institute			
Subtype title	DAIKIN ALTHERMA 3 R F 8KW (180L) /A			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass Of Refrigerant	1.5 kg			
Certification Date	27.03.2018			
Testing basis	HP KEYMARK certification scheme rules rev. 7			



Model: ERGA08DVA / EHVH08S18D6V(G)

General Data	
Power supply	1x230V 50Hz

Heating

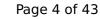
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

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
Indoor water flow rate	1.29 m³/h	0.92 m³/h



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

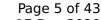
EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	128 %
Prated	8.00 kW	7.50 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00





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Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	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	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh
Annual energy consumption Qhe	3625 kWh	4731 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	125 %	
СОР	3.10	
Heating up time	1:34 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	238	



Model: ERGA08DVA / EHVH08S18D9W(G)

General Data	
Power supply	1x230V 50Hz

Heating

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

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	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
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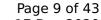
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Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00





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3.90 kW	3.70 kW
8.52	6.16
1.00	1.00
7.50 kW	6.40 kW
2.66	2.18
6.90 kW	4.50 kW
2.41	1.43
1.00	1.00
35 °C	55 °C
10 W	10 W
10 W	10 W
10 W	10 W
0 W	0 W
Electrical	Electrical
1.00 kW	3.00 kW
3625 kWh	4731 kWh
	8.52 1.00 7.50 kW 2.66 6.90 kW 2.41 1.00 35 °C 10 W 10 W 0 W Electrical 1.00 kW

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Mixed water at 40°C	238 I	



Model: ERGA08DVA / EHVX08S18D6V(G)

General Data		
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Heating

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

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	Low temperature	Medium temperature	
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Indoor water flow rate	1.29 m³/h	0.92 m³/h	



 $$\operatorname{\textit{Page}}\ 11$ of 43$$ This information was generated by the HP KEYMARK database on 17 Dec 2020

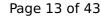
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Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
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Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	10 W	10 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

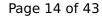
Cooling





EN 14511-2		
	+7°C/+12°C	
El input	1.73 kW	
Indoor water flow rate	0.94 m³/h	
Cooling capacity	5.44	
EER	3.14	

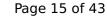
EN 14825





	+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

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	125 %	
СОР	3.10	
Heating up time	1:34 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	238	



Model: ERGA08DVA / EHVX08S18D9W(G)

General Data	
Power supply	1x230V 50Hz

Heating

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

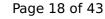
EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
СОР	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/h



 $$\operatorname{\textit{Page}}\ 17$$ of 43 This information was generated by the HP KEYMARK database on 17 Dec 2020

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

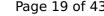
EN 14825		
	Low temperature	Medium temperature
η_{s}	181 %	129 %
Prated	8.00 kW	7.50 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00





This information was get		
Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	7.50 kW
COP Tj = Tbiv	2.66	1.90
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	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	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Domestic Hot Water (DHW)





 $$\operatorname{\textit{Page}}\ 19$ of 43$$ This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147	
Declared load profile	L
Efficiency ηDHW	125 %
СОР	3.10
Heating up time	1:34 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	238 I



Model: ERGA08EVA / EHVX08S18E6V(G)

General Data	
Power supply	1x230V 50Hz

Heating

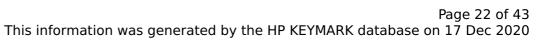
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

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
Indoor water flow rate	1.29 m³/h	0.92 m³/h



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

EN 14825		
	Low temperature	Medium temperature
η_{s}	181 %	129 %
Prated	8.00 kW	7.50 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00





Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	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	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Cooling





EN 14511-2		
	+7°C/+12°C	
El input	1.73 kW	
Indoor water flow rate	0.94 m³/h	
Cooling capacity	5.44	
EER	3.14	

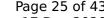
EN 14825





This information was generated by the Hir KE	+7°C/+12°C
Pdesignc	5.40 kW
Puesigno	3.40 KW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
PCK	o w
Annual energy consumption Qce	571 kWh

Domestic Hot Water (DHW)





 $$\operatorname{\textit{Page}}\xspace$ 25 of 43 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147		
Declared load profile	L	
Efficiency ηDHW	125 %	
СОР	3.10	
Heating up time	1:34 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	238 I	



Model: ERGA08EVA / EHVX08S18E9W

General Data	
Power supply	1x230V 50Hz

Heating

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

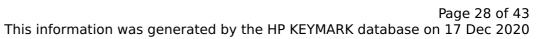
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	7.50 kW	7.50 kW	
El input	1.63 kW	2.78 kW	
СОР	4.60	2.70	
Indoor water flow rate	1.29 m³/h	0.92 m³/h	



 $$\operatorname{\textit{Page}}\xspace$ 27 of 43 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
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Prated	8.00 kW	7.50 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
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WTOL	35 °C	55 °C
Poff	10 W	10 W
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Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Cooling





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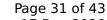
EN 14825





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Heating

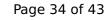
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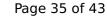
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COP Tj = TOL	2.41	1.43
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РТО	10 W	10 W
PSB	10 W	10 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh
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СОР	3.10	
Heating up time	1:34 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	238	



Model: ERGA08EVA / EHVH08S18E9W

General Data		
Power supply	1x230V 50Hz	

Heating

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

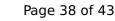
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	7.50 kW	7.50 kW	
El input	1.63 kW	2.78 kW	
СОР	4.60	2.70	
Indoor water flow rate	1.29 m³/h	0.92 m³/h	



 $$\operatorname{\textit{Page}}\xspace$ 37 of 43 This information was generated by the HP KEYMARK database on 17 Dec 2020

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

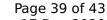
EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	128 %
Prated	8.00 kW	7.50 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00





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3.90 kW	3.70 kW
8.52	6.16
1.00	1.00
7.50 kW	6.40 kW
2.66	2.18
6.90 kW	4.50 kW
2.41	1.43
1.00	1.00
35 °C	55 °C
10 W	10 W
10 W	10 W
10 W	10 W
0 W	0 W
Electrical	Electrical
1.00 kW	3.00 kW
3625 kWh	4731 kWh
	8.52 1.00 7.50 kW 2.66 6.90 kW 2.41 1.00 35 °C 10 W 10 W 10 W Electrical 1.00 kW

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	125 %	
СОР	3.10	
Heating up time	1:34 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	238	



Model: ERGA08EVA / EHVH08SU18E6V

General Data	
Power supply	1x230V 50Hz

Heating

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

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	
Indoor water flow rate	1.29 m³/h	0.92 m³/h	



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

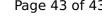
EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	128 %
Prated	8.00 kW	7.50 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00





This information was get		
Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	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	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Domestic Hot Water (DHW)





$$\operatorname{Page}\ 43$$ of 43 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147		
Declared load profile	L	
Efficiency ηDHW	125 %	
СОР	3.10	
Heating up time	1:34 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	238 I	