

Summary of	DAIKIN ALTHERMA 3 R F 4KW (230L) (/A)	Reg. No.	011-1W0245
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	Danish Technological Institute		
Subtype title	DAIKIN ALTHERMA 3 R F 4KW (230L) (/A)		
Heat Pump Type	O Type Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	1.5 kg		
Certification Date	26.03.2018		
Testing basis	ng basis HP KEYMARK certification scheme rules rev. 7		



Model: ERGA04DV(A) / EHVX04S23D3V(G)

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

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	4.90 kW
El input	0.85 kW	1.85 kW
СОР	5.10	2.65
Indoor water flow rate	0.74 m³/h	0.53 m³/h



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

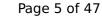
EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	129 %
Prated	6.00 kW	6.00 kW
SCOP	4.54	3.29
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.50 kW	5.30 kW
COP Tj = -7°C	2.90	1.97
Cdh		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh	1.00	1.00

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	<u> </u>	
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	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	8 W	8 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	2729 kWh	3769 kWh

Cooling





EN 14511-2	
	+7°C/+12°C
El input	1.36 kW
Indoor water flow rate	0.78 m³/h
Cooling capacity	4.52
EER	3.32



EN 14825	
	+7°C/+12°C
Pdesignc	4.50 kW
SEER	5.66
Pdc Tj = 35°C	4.52 kW
EER Tj = 35°C	3.32
Pdc Tj = 30°C	3.14 kW
EER Tj = 30°C	5.11
Cdc	1.0
Pdc Tj = 25°C	2.43 kW
EER Tj = 25°C	6.69
Cdc	1.0
Pdc Tj = 20°C	2.50 kW
EER Tj = 20°C	8.24
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
РСК	o w
Annual energy consumption Qce	480 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	134 %	
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288 I	



Model: ERGA04DV(A) / EHVX04S23D6V(G)

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	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.30 kW	4.90 kW	
El input	0.85 kW	1.85 kW	
СОР	5.10	2.65	
Indoor water flow rate	0.74 m³/h	0.53 m³/h	



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EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	129 %
Prated	6.00 kW	6.00 kW
SCOP	4.54	3.29
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.50 kW	5.30 kW
COP Tj = -7°C	2.90	1.97
Cdh		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	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

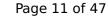
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Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.78	6.10
Cdh	1.00	1.00
Pdh Tj = Tbiv	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	8 W	8 W
PCK	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	2729 kWh	3769 kWh

Cooling





EN 14511-2		
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El input	1.36 kW	
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Pdc Tj = 25°C	2.43 kW
EER Tj = 25°C	6.69
Cdc	1.0
Pdc Tj = 20°C	2.50 kW
EER Tj = 20°C	8.24
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
РСК	o w
Annual energy consumption Qce	480 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288	



Model: ERGA04DV(A) / EHVH04S23D6V(G)

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

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.30 kW	4.90 kW	
El input	0.85 kW	1.85 kW	
СОР	5.10	2.65	
Indoor water flow rate	0.74 m³/h	0.53 m³/h	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	176 %	127 %
Prated	6.00 kW	6.00 kW
SCOP	4.48	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.50 kW	5.30 kW
COP Tj = -7°C	2.90	1.97
Cdh		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	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

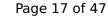


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Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2766 kWh	3806 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288 I	



Model: ERGA04EV(A) / EHVX04S23E3V

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	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.30 kW	4.90 kW	
El input	0.85 kW	1.85 kW	
СОР	5.10	2.65	
Indoor water flow rate	0.74 m³/h	0.53 m³/h	

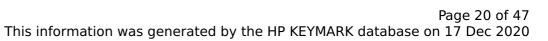


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	129 %
Prated	6.00 kW	6.00 kW
SCOP	4.54	3.29
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.50 kW	5.30 kW
COP Tj = -7°C	2.90	1.97
Cdh		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	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

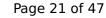
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Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.78	6.10
Cdh	1.00	1.00
Pdh Tj = Tbiv	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	8 W	8 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2729 kWh	3769 kWh

Cooling





EN 14511-2		
	+7°C/+12°C	
El input	1.36 kW	
Indoor water flow rate	0.78 m³/h	
Cooling capacity	4.52	
EER	3.32	



EN 14825	
	+7°C/+12°C
Pdesignc	4.50 kW
SEER	5.66
Pdc Tj = 35°C	4.52 kW
EER Tj = 35°C	3.32
Pdc Tj = 30°C	3.14 kW
EER Tj = 30°C	5.11
Cdc	1.0
Pdc Tj = 25°C	2.43 kW
EER Tj = 25°C	6.69
Cdc	1.0
Pdc Tj = 20°C	2.50 kW
EER Tj = 20°C	8.24
Cdc	1.0
Poff	10 W
РТО	10 W
PSB	10 W
РСК	o w
Annual energy consumption Qce	480 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
	133 %	
Efficiency ηDHW		
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288 I	



Model: ERGA04EV(A) / EHVX04S23E6V(G)

Gener	al 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	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.30 kW	4.90 kW	
El input	0.85 kW	1.85 kW	
СОР	5.10	2.65	
Indoor water flow rate	0.74 m³/h	0.53 m³/h	



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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

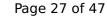
EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	129 %
Prated	6.00 kW	6.00 kW
SCOP	4.54	3.29
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.50 kW	5.30 kW
COP Tj = -7°C	2.90	1.97
Cdh		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh	1.00	1.00

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COP Tj = TOL	2.56	1.37
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	8 W	8 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2729 kWh	3769 kWh

Cooling





EN 14511-2		
	+7°C/+12°C	
El input	1.36 kW	
Indoor water flow rate	0.78 m³/h	
Cooling capacity	4.52	
EER	3.32	



EN 14825		
	+7°C/+12°C	
Pdesignc	4.50 kW	
SEER	5.66	
Pdc Tj = 35°C	4.52 kW	
EER Tj = 35°C	3.32	
Pdc Tj = 30°C	3.14 kW	
EER Tj = 30°C	5.11	
Cdc	1.0	
Pdc Tj = 25°C	2.43 kW	
EER Tj = 25°C	6.69	
Cdc	1.0	
Pdc Tj = 20°C	2.50 kW	
EER Tj = 20°C	8.24	
Cdc	1.0	
Poff	10 W	
РТО	10 W	
PSB	10 W	
РСК	o w	
Annual energy consumption Qce	480 kWh	

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288	



Model: ERGA04EV(A) / EHVH04S23E6V

Genera	al 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	

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	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
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EN 14825		
	Low temperature	Medium temperature
η_{s}	176 %	127 %
Prated	6.00 kW	6.00 kW
SCOP	4.48	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.50 kW	5.30 kW
COP Tj = -7°C	2.90	1.97
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Pdh Tj = +2°C	3.30 kW	3.30 kW
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Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2766 kWh	3806 kWh

Cooling





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Poff	10 W
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PCK	o w
Annual energy consumption Qce	480 kWh

Domestic Hot Water (DHW)



EN 16147	
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Declared load profile	XL
Efficiency ηDHW	133 %
СОР	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 I



Model: ERGA04EV(A) / EHVH04SU23E6V

General Data	
Power supply	1x230V 50Hz

Heating

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Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	Medium temperature
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Indoor water flow rate	0.74 m³/h	0.53 m³/h



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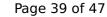
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	Low temperature	Medium temperature
η_{s}	179 %	127 %
Prated	6.00 kW	6.00 kW
SCOP	4.48	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.50 kW	5.30 kW
COP Tj = -7°C	2.90	1.97
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COP Tj = 12°C	7.78	6.10
Cdh	1.00	1.00
Pdh Tj = Tbiv	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
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Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	8 W	8 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	2766 kWh	3806 kWh

Cooling





EN 14511-2		
	+7°C/+12°C	
El input	1.36 kW	
Indoor water flow rate	0.78 m³/h	
Cooling capacity	4.52	
EER	3.32	



EN 14825		
	+7°C/+12°C	
Pdesignc	4.50 kW	
SEER	5.66	
Pdc Tj = 35°C	4.52 kW	
EER Tj = 35°C	3.32	
Pdc Tj = 30°C	3.14 kW	
EER Tj = 30°C	5.11	
Cdc	1.0	
Pdc Tj = 25°C	2.43 kW	
EER Tj = 25°C	6.69	
Cdc	1.0	
Pdc Tj = 20°C	2.50 kW	
EER Tj = 20°C	8.24	
Cdc	1.0	
Poff	10 W	
РТО	10 W	
PSB	10 W	
РСК	o w	
Annual energy consumption Qce	480 kWh	

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.30	
Heating up time	1:47 h:min	
Standby power input	28.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	288	

Model: ERGA04EV / EHVH04S23E6V + cooling kit

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	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.30 kW	4.90 kW	
El input	0.85 kW	1.85 kW	
СОР	5.10	2.65	
Indoor water flow rate	0.74 m³/h	0.53 m³/h	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	179 %	129 %
Prated	6.00 kW	6.00 kW
SCOP	4.54	3.29
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.50 kW	5.30 kW
COP Tj = -7°C	2.90	1.97
Cdh		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	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

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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	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
РТО	10 W	10 W
PSB	8 W	8 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	2729 kWh	3769 kWh

Cooling





EN 14511-2		
	+7°C/+12°C	
El input	1.36 kW	
Indoor water flow rate	0.78 m³/h	
Cooling capacity	4.52	
EER	3.32	



EN 14825		
	+7°C/+12°C	
Pdesignc	4.50 kW	
SEER	5.66	
Pdc Tj = 35°C	4.52 kW	
EER Tj = 35°C	3.32	
Pdc Tj = 30°C	3.14 kW	
EER Tj = 30°C	5.11	
Cdc	1.0	
Pdc Tj = 25°C	2.43 kW	
EER Tj = 25°C	6.69	
Cdc	1.0	
Pdc Tj = 20°C	2.50 kW	
EER Tj = 20°C	8.24	
Cdc	1.0	
Poff	10 W	
РТО	10 W	
PSB	10 W	
РСК	o w	
Annual energy consumption Qce	480 kWh	

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	XL
Efficiency ηDHW	133 %
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