

## Subtype DAIKIN ALTHERMA 3 R F 4KW (230L) (/A)

Certificate Holder	DAIKIN Europe N.V.
Address	Zandvoordestraat 300
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City	Oostende
Country	BE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	DAIKIN ALTHERMA 3 R F 4KW (230L) (/A)
Registration number	011-1W0245
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.5 kg
Certification Date	26.03.2018
Testing basis	HP KEYMARK certification scheme rules rev. 14
Testing laboratory	Danish Technological Institute (DTI), DK

## Model ERGA04EV(A) / EHVX04S23E3V

Model name	ERGA04EV(A) / EHVX04S23E3V
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

## General data

Power supply	1x230V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

## EN 16147 | Average Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	133 %
COP	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 l

## EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed

## EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	4.30 kW	4.90 kW
El input	0.85 kW	1.85 kW
COP	5.10	2.65

## EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.36 kW	
Cooling capacity	4.52	
EER	3.32	

## EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

Sound power level outdoor	58 dB(A)	58 dB(A)
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#### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.78	6.10
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.20 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2729 kWh	3769 kWh

#### EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°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 Tj = 30 °C	1.0
Pdc Tj = 25°C	2.43 kW
EER Tj = 25°C	6.69
Cdc Tj = 25 °C	1.0
Pdc Tj = 20°C	2.50 kW
EER Tj = 20°C	8.24
Cdc Tj = 20 °C	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	480 kWh

## Model ERGA04EV(A) / EHVX04S23E6V(G)

Model name	ERGA04EV(A) / EHVX04S23E6V(G)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

## General data

Power supply	1x230V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

## EN 16147 | Average Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	133 %
COP	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 l

## EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed

## EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	4.30 kW	4.90 kW
El input	0.85 kW	1.85 kW
COP	5.10	2.65

## EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.36 kW	
Cooling capacity	4.52	
EER	3.32	

## EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

Sound power level outdoor	58 dB(A)	58 dB(A)
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#### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.78	6.10
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.20 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2729 kWh	3769 kWh

#### EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°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 Tj = 30 °C	1.0
Pdc Tj = 25°C	2.43 kW
EER Tj = 25°C	6.69
Cdc Tj = 25 °C	1.0
Pdc Tj = 20°C	2.50 kW
EER Tj = 20°C	8.24
Cdc Tj = 20 °C	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	480 kWh

## Model ERGA04EV(A) / EHVH04S23E6V

Model name	ERGA04EV(A) / EHVH04S23E6V
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	1x230V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

## EN 16147 | Average Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	133 %
COP	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 l

## EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed

## EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	4.30 kW	4.90 kW
El input	0.85 kW	1.85 kW
COP	5.10	2.65

## EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.36 kW	
Cooling capacity	4.52	
EER	3.32	

## EN 12102-1 | Average Climate

	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 | Average Climate



	Low temperature	Medium temperature
$\eta_s$	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.78	6.10
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.20 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2766 kWh	3806 kWh

#### EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°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 Tj = 30 °C	1.0	
Pdc Tj = 25°C	2.43 kW	
EER Tj = 25°C	6.69	

Cdc Tj = 25 °C	1.0
Pdc Tj = 20°C	2.50 kW
EER Tj = 20°C	8.24
Cdc Tj = 20 °C	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	480 kWh

## Model ERGA04EV(A) / EHVH04SU23E6V

Model name	ERGA04EV(A) / EHVH04SU23E6V
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	1x230V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

## EN 16147 | Average Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	133 %
COP	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 l

## EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed

## EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	4.30 kW	4.90 kW
El input	0.85 kW	1.85 kW
COP	5.10	2.65

## EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.36 kW	
Cooling capacity	4.52	
EER	3.32	

## EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	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
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.78	6.10
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.20 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2766 kWh	3806 kWh

#### EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°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 Tj = 30 °C	1.0	
Pdc Tj = 25°C	2.43 kW	
EER Tj = 25°C	6.69	

Cdc Tj = 25 °C	1.0
Pdc Tj = 20°C	2.50 kW
EER Tj = 20°C	8.24
Cdc Tj = 20 °C	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	480 kWh

## Model ERGA04EV / EHVH04S23E6V + cooling kit

Model name	ERGA04EV / EHVH04S23E6V + cooling kit
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

## General data

Power supply	1x230V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

## EN 16147 | Average Climate

Declared load profile	XL
Efficiency $\eta_{DHW}$	133 %
COP	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 l

## EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed

## EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	4.30 kW	4.90 kW
El input	0.85 kW	1.85 kW
COP	5.10	2.65

## EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.36 kW	
Cooling capacity	4.52	
EER	3.32	

## EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

Sound power level outdoor	58 dB(A)	58 dB(A)
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#### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	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 Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.78	6.10
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.20 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2729 kWh	3769 kWh

#### EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°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 Tj = 30 °C	1.0
Pdc Tj = 25°C	2.43 kW
EER Tj = 25°C	6.69
Cdc Tj = 25 °C	1.0
Pdc Tj = 20°C	2.50 kW
EER Tj = 20°C	8.24
Cdc Tj = 20 °C	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	480 kWh