

## Subtype DAIKIN ALTHERMA 3 M 8kW

Certificate Holder	DAIKIN Europe N.V.
Address	Zandvoordestraat 300
ZIP	B-8400
City	Oostende
Country	BE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	DAIKIN ALTHERMA 3 M 8kW
Registration number	011-1W0529
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.35 kg
Certification Date	18.05.2022
Testing basis	HP KEYMARK certification scheme rules rev. 9

## Model EBLA08E3V3

Model name	EBLA08E3V3
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer Climate
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 14511-4 | Heating

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

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	58 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	181 %	131 %
Prated	8 kW	8 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7 kW	6.9 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.2
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	3.9 kW	4.1 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	2.66	1.9

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.93 kW	7.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.07 kW	0.95 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

#### EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	58 dB(A)

#### EN 14825 | Warmer Climate

	Low temperature	Medium temperature
$\eta_s$	266 %	162 %
Prated	7 kW	8.1 kW
SCOP	6.71	4.12
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7 kW	6.8 kW
COP Tj = +2°C	3.28	2.09
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.5 kW	5.3 kW
COP Tj = +7°C	5.95	3.42
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	3.3 kW	2.8 kW
COP Tj = 12°C	8.57	5.52
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7 kW	6.9 kW
COP Tj = Tbiv	3.28	2.66
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7 kW	8.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.28	2.09
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1	1
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Q <sub>he</sub>	1393 kWh	2624 kWh

## Model EBLA08EV3

Model name	EBLA08EV3
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer Climate
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 14511-4 | Heating

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

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	58 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	181 %	131 %
Prated	8 kW	8 kW
SCOP	4.61	3.35
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7 kW	6.9 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.2
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	3.9 kW	4.1 kW
COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	2.66	1.9

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.93 kW	7.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.07 kW	0.95 kW
Annual energy consumption Qhe	3588 kWh	4939 kWh

#### EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	58 dB(A)

#### EN 14825 | Warmer Climate

	Low temperature	Medium temperature
$\eta_s$	266 %	162 %
Prated	7 kW	8.1 kW
SCOP	6.71	4.12
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7 kW	6.8 kW
COP Tj = +2°C	3.28	2.09
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.5 kW	5.3 kW
COP Tj = +7°C	5.95	3.42
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	3.3 kW	2.8 kW
COP Tj = 12°C	8.57	5.52
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7 kW	6.9 kW
COP Tj = Tbiv	3.28	2.66
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7 kW	8.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.28	2.09
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1	1
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Q <sub>he</sub>	1393 kWh	2624 kWh

## Model EDLA08E3V3

Model name	EDLA08E3V3
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer Climate
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 14511-4 | Heating

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

## EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	58 dB(A)

## EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	179 %	130 %
Prated	8 kW	8 kW
SCOP	4.56	3.32
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7 kW	6.9 kW
COP Tj = -7°C	2.77	1.96
Cdh Tj = -7 °C	1	1
Pdh Tj = +2°C	4.2 kW	4.4 kW
COP Tj = +2°C	4.35	3.2
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	3.3 kW	3.3 kW
COP Tj = +7°C	6.49	4.64
Cdh Tj = +7 °C	1	1
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COP Tj = 12°C	8.52	6.22
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7.5 kW	7.5 kW
COP Tj = Tbiv	2.66	1.9



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.93 kW	7.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.07 kW	0.95 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

#### EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	58 dB(A)

#### EN 14825 | Warmer Climate

	Low temperature	Medium temperature
$\eta_s$	257 %	159 %
Prated	7 kW	8.1 kW
SCOP	6.51	4.05
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7 kW	6.8 kW
COP Tj = +2°C	3.28	2.09
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.5 kW	5.3 kW
COP Tj = +7°C	5.95	3.42
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	3.3 kW	2.8 kW
COP Tj = 12°C	8.57	5.52
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	7 kW	6.9 kW
COP Tj = Tbiv	3.28	2.66
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7 kW	8.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.28	2.09
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1	1
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Q <sub>he</sub>	1437 kWh	2669 kWh

## Model EDLA08EV3

Model name	EDLA08EV3
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer Climate
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 14511-4 | Heating

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

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	Low temperature	Medium temperature
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.93 kW	7.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.64
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.07 kW	0.95 kW
Annual energy consumption Qhe	3625 kWh	4975 kWh

#### EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	58 dB(A)

#### EN 14825 | Warmer Climate

	Low temperature	Medium temperature
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Prated	7 kW	8.1 kW
SCOP	6.51	4.05
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7 kW	6.8 kW
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7 kW	8.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.28	2.09
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1	1
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Q <sub>he</sub>	1437 kWh	2669 kWh