

## Subtype DAIKIN ALTHERMA 3 M 9KW

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 9KW
Registration number	011-1W0423
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	3.8 kg
Certification Date	27.10.2020
Testing basis	HP KEYMARK certification scheme rules rev. 7

## Model EBLA09D(3)V3

Model name	EBLA09D(3)V3
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	62 dB(A)	62 dB(A)

## EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	190 %	135 %
Prated	9.00 kW	9.00 kW
SCOP	4.82	3.44
Tbiv	-9 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.50 kW	8.50 kW
COP Tj = -7°C	3.07	2.09
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	5.50 kW	5.00 kW
COP Tj = +2°C	4.52	3.28
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.70 kW	4.40 kW
COP Tj = +7°C	6.78	4.80
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	5.50 kW	5.30 kW
COP Tj = 12°C	8.75	6.45
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	8.70 kW	8.80 kW
COP Tj = Tbiv	2.75	1.92

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.30 kW	6.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.70
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.70 kW	2.20 kW
Annual energy consumption Qhe	3854 kWh	5404 kWh

#### EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	62 dB(A)	62 dB(A)

#### EN 14825 | Warmer Climate

	Low temperature	Medium temperature
$\eta_s$	243 %	162 %
Prated	9.00 kW	9.00 kW
SCOP	6.20	4.26
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	9.00 kW	9.00 kW
COP Tj = +2°C	3.36	2.12
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.90 kW	6.20 kW
COP Tj = +7°C	5.59	3.65
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	5.20 kW	5.00 kW
COP Tj = 12°C	7.87	5.68
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	9.00 kW	9.00 kW
COP Tj = Tbiv	3.36	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.36	2.12
WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q <sub>he</sub>	1938 kWh	2820 kWh

## Model EBLA09D(3)W1

Model name	EBLA09D(3)W1
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	3x400V 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	62 dB(A)	62 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	190 %	135 %
Prated	9.00 kW	9.00 kW
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Pdh Tj = -7°C	8.50 kW	8.50 kW
COP Tj = -7°C	3.07	2.09
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	5.50 kW	5.00 kW
COP Tj = +2°C	4.52	3.28
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.70 kW	4.40 kW
COP Tj = +7°C	6.78	4.80
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	5.50 kW	5.30 kW
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Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.70 kW	2.20 kW
Annual energy consumption Qhe	3854 kWh	5404 kWh

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Pdh Tj = 12°C	5.20 kW	5.00 kW
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Pdh Tj = Tbiv	9.00 kW	9.00 kW
COP Tj = Tbiv	3.36	2.12
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Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q <sub>he</sub>	1938 kWh	2820 kWh

## Model EDLA09D(3)V3

Model name	EDLA09D(3)V3
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	62 dB(A)	62 dB(A)

## EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	186 %	133 %
Prated	9.00 kW	9.00 kW
SCOP	4.72	3.39
Tbiv	-9 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.50 kW	8.50 kW
COP Tj = -7°C	3.07	2.09
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	4.50 kW	5.00 kW
COP Tj = +2°C	4.52	3.28
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	4.70 kW	4.40 kW
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WTOL	35 °C	55 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.70 kW	2.20 kW
Annual energy consumption Qhe	3939 kWh	5488 kWh

#### EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	62 dB(A)	62 dB(A)

#### EN 14825 | Warmer Climate

	Low temperature	Medium temperature
$\eta_s$	233 %	162 %
Prated	9.00 kW	9.00 kW
SCOP	5.90	4.12
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	9.00 kW	9.00 kW
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PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q <sub>he</sub>	2039 kWh	2921 kWh

## Model EDLA09D(3)W1

Model name	EDLA09D(3)W1
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Units	Outdoor
Climate zone (for heating)	Warmer Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	3x400V 50Hz
Off-peak product	n/a

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