

Subtype DAIKIN ALTHERMA 3 M (7) 16kW

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 (7) 16kW
Registration number	011-1W0566
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	3.8 kg
Certification Date	07.12.2022
Testing basis	European KEYMARK Scheme for Heat Pumps Rev.10

Model EBLA16D(3)V37

Model name	EBLA16D(3)V37
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
η_s	185 %	132 %
Prated	12 kW	12 kW
SCOP	4.69	3.37
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	1	
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.33	3.27
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	4.7 kW	4.4 kW
COP Tj = +7°C	6.83	4.93
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.5 kW	5.3 kW
COP Tj = 12°C	8.82	6.6
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.8 kW	10.1 kW
COP Tj = Tbiv	2.48	2.13

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.8 kW	8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	1.67
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 kW	4.1 kW
Annual energy consumption Qhe	5281 kWh	7359 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
η_s	246 %	168 %
Prated	12 kW	14.1 kW
SCOP	6.23	4.38
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.1 kW
COP Tj = +7°C	5.64	3.73
Cdh Tj = +7 °C	1	1
Pdh Tj = 12°C	5.2 kW	5 kW
COP Tj = 12°C	7.73	5.69
Cdh Tj = +12 °C	1	1
Pdh Tj = Tbiv	11.9 kW	12.1 kW
COP Tj = Tbiv	3.3	2.51
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.9 kW	9.8 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.3	2.17
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 kW	4.27 kW
Annual energy consumption Q _{he}	2573 kWh	4418 kWh

Model EBLA16D(3)W17

Model name	EBLA16D(3)W17
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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
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PCK	0 W	0 W
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Supplementary Heater: PSUP	0 kW	4.1 kW
Annual energy consumption Qhe	5281 kWh	7359 kWh

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Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Q _{he}	2573 kWh	4418 kWh

Model EDLA16D(3)V37

Model name	EDLA16D(3)V37
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
η_s	182 %	130 %
Prated	12 kW	12 kW
SCOP	4.62	3.33
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.2 kW	9.4 kW
COP Tj = -7°C	2.87	1.95
Cdh Tj = -7 °C	1	
Pdh Tj = +2°C	6.7 kW	6.9 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 kW	4.1 kW
Annual energy consumption Qhe	5366 kWh	7444 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
η_s	237 %	164 %
Prated	12 kW	14.1 kW
SCOP	5.99	4.26
Tbiv	2 °C	4 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.9 kW	9.8 kW
COP Tj = +2°C	3.3	2.17
Cdh Tj = +2 °C	1	1
Pdh Tj = +7°C	8.1 kW	9.1 kW
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PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	0 kW	4.27 kW
Annual energy consumption Q _{he}	2675 kWh	4519 kWh

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Any additional heat sources	n/a

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