This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	DAIKIN ALTHERMA 3 M 14kW	Reg. No.	011-1W0425
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 (DTI)		
Subtype title	DAIKIN ALTHERMA 3 M 14kW		
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: EBLA14D(3)V3

General Data	
Power supply	1x230V 50Hz

Average Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	185 %	134 %
Prated	11.00 kW	11.00 kW
SCOP	4.70	3.42
Tbiv	-10 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.10 kW	9.40 kW
COP Tj = -7°C	2.95	2.02
Cdh		1.00
Pdh Tj = +2°C	6.10 kW	6.20 kW
COP Tj = +2°C	4.35	3.28
Cdh	1.00	1.00
Pdh Tj = +7°C	4.60 kW	4.40 kW
COP Tj = +7°C	6.70	4.88
Cdh	1.00	1.00
Pdh Tj = 12°C	5.40 kW	5.30 kW

COP Tj = 12°C	8.65	6.58
Cdh	1.00	1.00
Pdh Tj = Tbiv	11.20 kW	9.40 kW
COP Tj = Tbiv	2.51	2.09
Pdh Tj = TOL	11.20 kW	7.80 kW
COP Tj = TOL	2.51	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	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	3.20 kW
Annual energy consumption Qhe	4838 kWh	6651 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	62 dB(A)	62 dB(A)

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	249 %	172 %
Prated	11.00 kW	12.10 kW
SCOP	6.30	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.80 kW	9.80 kW
COP Tj = +2°C	3.45	2.17
Cdh	1.00	1.00
Pdh Tj = +7°C	7.40 kW	7.60 kW
COP Tj = +7°C	5.77	3.83
Cdh	1.00	1.00
Pdh Tj = 12°C	5.20 kW	5.00 kW
COP Tj = 12°C	7.73	5.69
Cdh	1.00	1.00
Pdh Tj = Tbiv	10.80 kW	11.00 kW

COP Tj = Tbiv	3.45	2.40
Pdh Tj = TOL	10.80 kW	9.80 kW
COP Tj = TOL	3.45	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	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	2.27 kW
Annual energy consumption Qhe	2333 kWh	3690 kWh

Cooling

EN 14511-2	
	+7°C/+12°C
El input	4.06 kW
Indoor water flow rate	2.21 m³/h
Cooling capacity	12.82
EER	3.16

EN 14825	
	+7°C/+12°C
Pdesignc	12.80 kW
SEER	5.71
Pdc Tj = 35°C	12.80 kW
EER Tj = 35°C	3.16
Pdc Tj = 30°C	9.90 kW
EER Tj = 30°C	4.57
Cdc	1.0
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	6.80
Cdc	1.0
Pdc Tj = 20°C	5.80 kW
EER Tj = 20°C	8.42
Cdc	1.0
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1340 kWh

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89
Indoor water flow rate	2.06 m³/h	1.46 m³/h

Model: EBLA14D(3)W1

General Data	
Power supply	3x400V 50Hz

Average Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	185 %	134 %
Prated	11.00 kW	11.00 kW
SCOP	4.70	3.42
Tbiv	-10 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.10 kW	9.40 kW
COP Tj = -7°C	2.95	2.02
Cdh		1.00
Pdh Tj = +2°C	6.10 kW	6.20 kW
COP Tj = +2°C	4.35	3.28
Cdh	1.00	1.00
Pdh Tj = +7°C	4.60 kW	4.40 kW
COP Tj = +7°C	6.70	4.88
Cdh	1.00	1.00
Pdh Tj = 12°C	5.40 kW	5.30 kW

COP Tj = 12°C	8.65	6.58
Cdh	1.00	1.00
Pdh Tj = Tbiv	11.20 kW	9.40 kW
COP Tj = Tbiv	2.51	2.09
Pdh Tj = TOL	11.20 kW	7.80 kW
COP Tj = TOL	2.51	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	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	3.20 kW
Annual energy consumption Qhe	4838 kWh	6651 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	62 dB(A)	62 dB(A)

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	249 %	172 %
Prated	11.00 kW	12.10 kW
SCOP	6.30	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.80 kW	9.80 kW
COP Tj = +2°C	3.45	2.17
Cdh	1.00	1.00
Pdh Tj = +7°C	7.40 kW	7.60 kW
COP Tj = +7°C	5.77	3.83
Cdh	1.00	1.00
Pdh Tj = 12°C	5.20 kW	5.00 kW
COP Tj = 12°C	7.73	5.69
Cdh	1.00	1.00
Pdh Tj = Tbiv	10.80 kW	11.00 kW

COP Tj = Tbiv	3.45	2.40
Pdh Tj = TOL	10.80 kW	9.80 kW
COP Tj = TOL	3.45	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	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	2.27 kW
Annual energy consumption Qhe	2333 kWh	3690 kWh

Cooling

EN 14511-2	
	+7°C/+12°C
El input	4.06 kW
Indoor water flow rate	2.21 m³/h
Cooling capacity	12.82
EER	3.16

EN 14825	
	+7°C/+12°C
Pdesignc	12.80 kW
SEER	5.71
Pdc Tj = 35°C	12.80 kW
EER Tj = 35°C	3.16
Pdc Tj = 30°C	9.90 kW
EER Tj = 30°C	4.57
Cdc	1.0
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	6.80
Cdc	1.0
Pdc Tj = 20°C	5.80 kW
EER Tj = 20°C	8.42
Cdc	1.0
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1340 kWh

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89
Indoor water flow rate	2.06 m³/h	1.46 m³/h

Model: EDLA14D(3)V3

General Data	
Power supply	1x230V 50Hz

Average Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	182 %	132 %
Prated	11.00 kW	11.00 kW
SCOP	4.62	3.37
Tbiv	-10 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.10 kW	9.40 kW
COP Tj = -7°C	2.95	2.02
Cdh		1.00
Pdh Tj = +2°C	6.10 kW	6.20 kW
COP Tj = +2°C	4.35	3.28
Cdh	1.00	1.00
Pdh Tj = +7°C	4.60 kW	4.40 kW
COP Tj = +7°C	6.70	4.88
Cdh	1.00	1.00
Pdh Tj = 12°C	5.40 kW	5.30 kW

COP Tj = 12°C	8.65	6.58
Cdh	1.00	1.00
Pdh Tj = Tbiv	11.20 kW	9.40 kW
COP Tj = Tbiv	2.51	2.09
Pdh Tj = TOL	11.20 kW	7.80 kW
COP Tj = TOL	2.51	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	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	3.20 kW
Annual energy consumption Qhe	4923 kWh	6735 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	62 dB(A)	62 dB(A)

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	238 %	168 %
Prated	11.00 kW	12.10 kW
SCOP	6.04	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.80 kW	9.80 kW
COP Tj = +2°C	3.45	2.17
Cdh	1.00	1.00
Pdh Tj = +7°C	7.40 kW	7.60 kW
COP Tj = +7°C	5.77	3.83
Cdh	1.00	1.00
Pdh Tj = 12°C	5.20 kW	5.00 kW
COP Tj = 12°C	7.73	5.69
Cdh	1.00	1.00
Pdh Tj = Tbiv	10.80 kW	11.00 kW

COP Tj = Tbiv	3.45	2.40
Pdh Tj = TOL	10.80 kW	9.80 kW
COP Tj = TOL	3.45	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	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	2.27 kW
Annual energy consumption Qhe	2435 kWh	3792 kWh

Cooling

EN 14511-2	
	+7°C/+12°C
El input	4.06 kW
Indoor water flow rate	2.21 m³/h
Cooling capacity	12.82
EER	3.16

EN 14825	
	+7°C/+12°C
Pdesignc	12.80 kW
SEER	5.71
Pdc Tj = 35°C	12.80 kW
EER Tj = 35°C	3.16
Pdc Tj = 30°C	9.90 kW
EER Tj = 30°C	4.57
Cdc	1.0
Pdc Tj = 25°C	6.20 kW
EER Tj = 25°C	6.80
Cdc	1.0
Pdc Tj = 20°C	5.80 kW
EER Tj = 20°C	8.42
Cdc	1.0
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1340 kWh

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89
Indoor water flow rate	2.06 m^3/h	1.46 m^3/h

Model: EDLA14D(3)W1

General Data	
Power supply	3x400V 50Hz

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COP Tj = 12°C	8.65	6.58
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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	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	3.20 kW
Annual energy consumption Qhe	4923 kWh	6735 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	62 dB(A)	62 dB(A)

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	238 %	168 %
Prated	11.00 kW	12.10 kW
SCOP	6.04	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.80 kW	9.80 kW
COP Tj = +2°C	3.45	2.17
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PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	2.27 kW
Annual energy consumption Qhe	2435 kWh	3792 kWh

Cooling

EN 14511-2	
	+7°C/+12°C
El input	4.06 kW
Indoor water flow rate	2.21 m³/h
Cooling capacity	12.82
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EER Tj = 25°C	6.80
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Pdc Tj = 20°C	5.80 kW
EER Tj = 20°C	8.42
Cdc	1.0
Poff	23 W
PTO	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1340 kWh

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	11.87 kW
El input	2.46 kW	4.11 kW
COP	4.87	2.89
Indoor water flow rate	2.06 m³/h	1.46 m³/h