

Summary of	DAIKIN ALTHERMA 3 M 16kW	Reg. No.	011-1W0426
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 16kW		
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: EBLA16D(3)V3

General Data	
Power supply	1x230V 50Hz

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	246 %	172 %
Prated	12.00 kW	12.10 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.90 kW	9.80 kW
COP Tj = +2°C	3.30	2.17
Cdh	1.00	1.00
Pdh Tj = +7°C	8.10 kW	7.60 kW
COP Tj = +7°C	5.64	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	11.90 kW	11.00 kW





COP Tj = Tbiv	3.30	2.40	
Pdh Tj = TOL	11.90 kW	9.80 kW	
COP Tj = TOL	3.30	2.17	
WTOL	35 °C	55 °C	
Poff	23 W	23 W	
РТО	23 W	23 W	
PSB	23 W	23 W	
PCK	0 W	o w	
Supplementary Heater: Type of energy input	Electrical	Electrical	
Supplementary Heater: PSUP	0.00 kW	2.27 kW	
Annual energy consumption Qhe	2573 kWh	3690 kWh	

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

Average Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	185 %	132 %
Prated	12.00 kW	12.00 kW





This information was generated by the HP KEYMARK database on 17 Dec 2020			
SCOP	4.69	3.37	
Tbiv	-10 °C	-5 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7 °C	11.20 kW	9.40 kW	
$COPTj = -7^{\circ}C$	2.87	1.95	
Cdh		1.00	
Pdh Tj = +2°C	6.70 kW	6.90 kW	
COP Tj = +2°C	4.33	3.27	
Cdh	1.00	1.00	
Pdh Tj = $+7^{\circ}$ C	4.70 kW	4.40 kW	
$COPTj = +7^{\circ}C$	6.83	4.93	
Cdh	1.00	1.00	
Pdh Tj = 12°C	5.50 kW	5.30 kW	
COP Tj = 12°C	8.82	6.60	
Cdh	1.00	1.00	
Pdh Tj = Tbiv	11.76 kW	10.10 kW	
COP Tj = Tbiv	2.48	2.13	
Pdh Tj = TOL	11.76 kW	7.95 kW	
COP Tj = TOL	2.48	1.67	
WTOL	35 °C	55 °C	
Poff	23 W	23 W	





РТО	23 W	23 W
PSB	23 W	23 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	4.10 kW
Annual energy consumption Qhe	5281 kWh	7359 kWh

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

Cooling

EN 14511-2	
	+7°C/+12°C
El input	4.58 kW
Indoor water flow rate	2.41 m³/h
Cooling capacity	14.01
EER	3.06

EN 14825





This information was generated by the HP KE	+7°C/+12°C
Pdesignc	14.00 kW
SEER	5.59
Pdc Tj = 35°C	14.00 kW
EER Tj = 35°C	3.06
Pdc Tj = 30°C	10.80 kW
EER Tj = 30°C	4.41
Cdc	1.0
Pdc Tj = 25°C	6.90 kW
EER Tj = 25°C	6.56
Cdc	1.0
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.51
Cdc	1.0
Poff	23 W
РТО	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1500 kWh

Heating



 $$\operatorname{\textit{Page}}\ 7$$ of 25 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 14511-4		
Chutting off the heat transfer medium flow	nassad	
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	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
СОР	4.53	2.75
Indoor water flow rate	2.75 m³/h	1.92 m³/h



Model: EBLA16D(3)W1

General Data		
Power supply	3x400V 50Hz	

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	246 %	172 %
Prated	12.00 kW	12.10 kW
SCOP	6.23	4.38
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.90 kW	9.80 kW
COP Tj = +2°C	3.30	2.17
Cdh	1.00	1.00
Pdh Tj = +7°C	8.10 kW	7.60 kW
COP Tj = +7°C	5.64	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	11.90 kW	11.00 kW





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COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL	11.90 kW	9.80 kW
COP Tj = TOL	3.30	2.17
WTOL	35 °C	55 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	2.27 kW
Annual energy consumption Qhe	2573 kWh	3690 kWh

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

Average Climate

EN 14825		
Low temperature	Medium temperature	
185 %	132 %	
12.00 kW	12.00 kW	
	Low temperature	





SCOP	4.69	3.37
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.20 kW	9.40 kW
$COPTj = -7^{\circ}C$	2.87	1.95
Cdh		1.00
Pdh Tj = $+2$ °C	6.70 kW	6.90 kW
COP Tj = +2°C	4.33	3.27
Cdh	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	4.70 kW	4.40 kW
$COP Tj = +7^{\circ}C$	6.83	4.93
Cdh	1.00	1.00
Pdh Tj = 12°C	5.50 kW	5.30 kW
COP Tj = 12°C	8.82	6.60
Cdh	1.00	1.00
Pdh Tj = Tbiv	11.76 kW	10.10 kW
COP Tj = Tbiv	2.48	2.13
Pdh Tj = TOL	11.76 kW	7.95 kW
COP Tj = TOL	2.48	1.67
WTOL	35 °C	55 °C
Poff	23 W	23 W





$$\operatorname{\textit{Page}}\ 11$$ of 25 This information was generated by the HP KEYMARK database on 17 Dec 2020

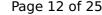
PTO	23 W	23 W
PSB	23 W	23 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	4.10 kW
Annual energy consumption Qhe	5281 kWh	7359 kWh

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

Cooling

EN 14511-2		
	+7°C/+12°C	
El input	4.58 kW	
Indoor water flow rate	2.41 m³/h	
Cooling capacity	14.01	
EER	3.06	

EN 14825





 $$\operatorname{\textit{Page}}\ 12$$ of 25 This information was generated by the HP KEYMARK database on 17 Dec 2020

	+7°C/+12°C
Pdesignc	14.00 kW
SEER	5.59
Pdc Tj = 35°C	14.00 kW
EER Tj = 35°C	3.06
Pdc Tj = 30°C	10.80 kW
EER Tj = 30°C	4.41
Cdc	1.0
Pdc Tj = 25°C	6.90 kW
EER Tj = 25°C	6.56
Cdc	1.0
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.51
Cdc	1.0
Poff	23 W
РТО	23 W
PSB	23 W
PCK	o w
Annual energy consumption Qce	1500 kWh

Heating



 $$\operatorname{\textit{Page}}\ 13$$ of 25 This information was generated by the HP KEYMARK database on 17 Dec 2020

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

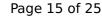
EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
СОР	4.53	2.75
Indoor water flow rate	2.75 m³/h	1.92 m³/h

Model: EDLA16D(3)V3

General Data	
Power supply	1x230V 50Hz

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	237 %	168 %
Prated	12.00 kW	12.10 kW
SCOP	5.99	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.90 kW	9.80 kW
COP Tj = +2°C	3.30	2.17
Cdh	1.00	1.00
Pdh Tj = +7°C	8.10 kW	7.60 kW
$COP Tj = +7^{\circ}C$	5.64	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	11.90 kW	11.00 kW





COP Tj = Tbiv	3.30	2.40
Pdh Tj = TOL	11.90 kW	9.80 kW
COP Tj = TOL	3.30	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	2675 kWh	3792 kWh

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

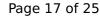
Average Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	182 %	130 %
Prated	12.00 kW	12.00 kW





This information was generated by the HP KETMARK database on 17 Dec 2020				
SCOP	4.62	3.33		
Tbiv	-10 °C	-5 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7°C	11.20 kW	9.40 kW		
COP Tj = -7°C	2.87	1.95		
Cdh		1.00		
Pdh Tj = +2°C	6.70 kW	6.90 kW		
COP Tj = +2°C	4.33	3.27		
Cdh	1.00	1.00		
Pdh Tj = +7°C	4.70 kW	4.40 kW		
$COP Tj = +7^{\circ}C$	6.83	4.93		
Cdh	1.00	1.00		
Pdh Tj = 12°C	5.50 kW	5.30 kW		
COP Tj = 12°C	8.82	6.60		
Cdh	1.00	1.00		
Pdh Tj = Tbiv	11.76 kW	10.10 kW		
COP Tj = Tbiv	2.48	2.13		
Pdh Tj = TOL	11.76 kW	7.95 kW		
COP Tj = TOL	2.48	1.67		
WTOL	35 °C	55 °C		
Poff	23 W	23 W		





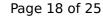
РТО	23 W	23 W
PSB	23 W	23 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	4.10 kW
Annual energy consumption Qhe	5366 kWh	7444 kWh

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

Cooling

EN 14511-2		
	+7°C/+12°C	
El input	4.58 kW	
Indoor water flow rate	2.41 m³/h	
Cooling capacity	14.01	
EER	3.06	

EN 14825





This information was generated by the HP KE	+7°C/+12°C
Pdesignc	14.00 kW
SEER	5.59
Pdc Tj = 35°C	14.00 kW
EER Tj = 35°C	3.06
Pdc Tj = 30°C	10.80 kW
EER Tj = 30°C	4.41
Cdc	1.0
Pdc Tj = 25°C	6.90 kW
EER Tj = 25°C	6.56
Cdc	1.0
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.51
Cdc	1.0
Poff	23 W
РТО	23 W
PSB	23 W
PCK	0 W
Annual energy consumption Qce	1500 kWh

Heating



 $$\operatorname{\textit{Page}}\ 19$ of 25$$ This information was generated by the HP KEYMARK database on 17 Dec 2020

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

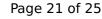
EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
СОР	4.53	2.75
Indoor water flow rate	2.75 m³/h	1.92 m³/h

Model: EDLA16D(3)W1

General Data	
Power supply	3x400V 50Hz

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	237 %	168 %
Prated	12.00 kW	12.10 kW
SCOP	5.99	4.26
Tbiv	2 °C	3 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.90 kW	9.80 kW
COP Tj = +2°C	3.30	2.17
Cdh	1.00	1.00
Pdh Tj = +7°C	8.10 kW	7.60 kW
$COP Tj = +7^{\circ}C$	5.64	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	11.90 kW	11.00 kW





This information was generated by the Hill KETT Michael at the Bee 202			
COP Tj = Tbiv	3.30	2.40	
Pdh Tj = TOL	11.90 kW	9.80 kW	
COP Tj = TOL	3.30	2.17	
WTOL	35 °C	55 °C	
Poff	23 W	23 W	
РТО	23 W	23 W	
PSB	23 W	23 W	
PCK	o w	o w	
Supplementary Heater: Type of energy input	Electrical	Electrical	
Supplementary Heater: PSUP	0.00 kW	2.27 kW	
Annual energy consumption Qhe	2675 kWh	3792 kWh	

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

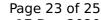
Average Climate

Low temperature	Medium temperature
	Medidili telliperature
182 %	130 %
12.00 kW	12.00 kW





This information was ge	Herated by the Hr KLIM	ANN database on 17 Dec 2020
SCOP	4.62	3.33
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.20 kW	9.40 kW
$COPTj = -7^{\circ}C$	2.87	1.95
Cdh		1.00
Pdh Tj = +2°C	6.70 kW	6.90 kW
COP Tj = +2°C	4.33	3.27
Cdh	1.00	1.00
Pdh Tj = $+7$ °C	4.70 kW	4.40 kW
$COP Tj = +7^{\circ}C$	6.83	4.93
Cdh	1.00	1.00
Pdh Tj = 12°C	5.50 kW	5.30 kW
COP Tj = 12°C	8.82	6.60
Cdh	1.00	1.00
Pdh Tj = Tbiv	11.76 kW	10.10 kW
COP Tj = Tbiv	2.48	2.13
Pdh Tj = TOL	11.76 kW	7.95 kW
COP Tj = TOL	2.48	1.67
WTOL	35 °C	55 °C
Poff	23 W	23 W
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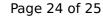
РТО	23 W	23 W
PSB	23 W	23 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	4.10 kW
Annual energy consumption Qhe	5366 kWh	7444 kWh

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

Cooling

EN 14511-2		
	+7°C/+12°C	
El input	4.58 kW	
Indoor water flow rate	2.41 m³/h	
Cooling capacity	14.01	
EER	3.06	

EN 14825





This information was generated by the Till KE	+7°C/+12°C
Pdesignc	14.00 kW
SEER	5.59
Pdc Tj = 35°C	14.00 kW
EER Tj = 35°C	3.06
Pdc Tj = 30°C	10.80 kW
EER Tj = 30°C	4.41
Cdc	1.0
Pdc Tj = 25°C	6.90 kW
EER Tj = 25°C	6.56
Cdc	1.0
Pdc Tj = 20°C	5.90 kW
EER Tj = 20°C	8.51
Cdc	1.0
Poff	23 W
РТО	23 W
PSB	23 W
РСК	0 W
Annual energy consumption Qce	1500 kWh

Heating



 $$\operatorname{\textit{Page}}\xspace$ 25 of 25 This information was generated by the HP KEYMARK database on 17 Dec 2020

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	16.00 kW	15.63 kW
El input	3.53 kW	5.68 kW
СОР	4.53	2.75
Indoor water flow rate	2.75 m³/h	1.92 m³/h