Summary of	DAIKIN ALTHERMA 3 R W 8KW /A	Reg. No.	011-1W0248
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		
Subtype title	DAIKIN ALTHERMA 3 R W 8KW /A		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	1.5 kg		
Certification Date	02.03.2018		
Testing basis	HP KEYMARK certification scheme rules rev. 7		

Model: ERGA08DVA / EHBX08D9W

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/h

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	129 %
Prated	8.00 kW	7.50 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00

Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
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	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Model: ERGA08DVA / EHBX08D6V

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/h

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	129 %
Prated	8.00 kW	7.50 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00

Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
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	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Model: ERGA08DVA / EHBH08D9W

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/h

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	179 %	128 %
Prated	8.00 kW	7.50 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00

Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
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	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Model: ERGA08DVA / EHBH08D6V

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/h

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	179 %	128 %
Prated	8.00 kW	7.50 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00

Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
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	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Model: ERGA08EVA / EHBX08E6V

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/h

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	129 %
Prated	8.00 kW	7.50 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00

Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
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	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Cooling

EN 14511-2

	+7°C/+12°C
El input	1.73 kW
Indoor water flow rate	0.94 m³/h
Cooling capacity	5.44
EER	3.14

EN 14825

	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	571 kWh

Model: ERGA08EVA / EHBX08E9W

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/h

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	129 %
Prated	8.00 kW	7.50 kW
SCOP	4.61	3.30
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00

Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh	1.00	1.00
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL	6.90 kW	4.50 kW
COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
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	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

Cooling

EN 14511-2

	+7°C/+12°C
El input	1.73 kW
Indoor water flow rate	0.94 m³/h
Cooling capacity	5.44
EER	3.14

EN 14825

	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	571 kWh

Model: ERGA08EVA / EHBH08E6V

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/h

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	179 %	128 %
Prated	8.00 kW	7.50 kW
SCOP	4.56	3.27
Tbiv	-8 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00

Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
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COP Tj = TOL	2.41	1.43
Cdh	1.00	1.00
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	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Cooling

EN 14511-2

	+7°C/+12°C
El input	1.73 kW
Indoor water flow rate	0.94 m³/h
Cooling capacity	5.44
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EN 14825

	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
Pdc Tj = 35°C	5.44 kW
EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
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Pdc Tj = 25°C	2.47 kW
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Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	571 kWh

Model: ERGA08EVA / EHBH08E9W

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	7.50 kW	7.50 kW
El input	1.63 kW	2.78 kW
COP	4.60	2.70
Indoor water flow rate	1.29 m³/h	0.92 m³/h

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	179 %	128 %
Prated	8.00 kW	7.50 kW
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COP Tj = -7°C	2.77	1.98
Cdh		1.00
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh	1.00	1.00

Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
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PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

Cooling

EN 14511-2

	+7°C/+12°C
El input	1.73 kW
Indoor water flow rate	0.94 m³/h
Cooling capacity	5.44
EER	3.14

EN 14825

	+7°C/+12°C
Pdesignc	5.40 kW
SEER	5.71
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EER Tj = 35°C	3.14
Pdc Tj = 30°C	4.02 kW
EER Tj = 30°C	4.84
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.54 kW
EER Tj = 20°C	8.47
Cdc	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	571 kWh