

Subtype DAIKIN ALTHERMA 3 R W 8KW /A

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 R W 8KW /A
Registration number	011-1W0248
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. 14
Testing laboratory	Danish Technological Institute (DTI), DK

Model ERGA08EVA / EHBX08E6V

Model name	ERGA08EVA / EHBX08E6V
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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

EN 14511-2 | Heating

	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

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.73 kW	
Cooling capacity	5.44	
EER	3.14	

EN 12102-1 | Average Climate

	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 | Average Climate

	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 Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	3.90 kW	3.70 kW
COP Tj = 12°C	8.52	6.16
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	4.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
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	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°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 Tj = 30 °C	1.0	
Pdc Tj = 25°C	2.47 kW	
EER Tj = 25°C	6.86	
Cdc Tj = 25 °C	1.0	
Pdc Tj = 20°C	2.54 kW	
EER Tj = 20°C	8.47	
Cdc Tj = 20 °C	1.0	
Poff	10 W	
PTO	10 W	

PSB	10 W
PCK	0 W
Annual energy consumption Qce	571 kWh

Model ERGA08EVA / EHBX08E9W

Model name	ERGA08EVA / EHBX08E9W
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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

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Shutting off the heat transfer medium flow passed

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Defrost test	passed

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	Low temperature	Medium temperature
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El input	1.63 kW	2.78 kW
COP	4.60	2.70

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.73 kW	
Cooling capacity	5.44	
EER	3.14	

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Pdh Tj = -7°C	7.00 kW	5.90 kW
COP Tj = -7°C	2.77	1.98
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.30 kW	3.00 kW
COP Tj = +7°C	6.49	4.54
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Pdh Tj = Tbiv	7.50 kW	6.40 kW
COP Tj = Tbiv	2.66	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	4.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.43
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PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	3.00 kW
Annual energy consumption Qhe	3588 kWh	4694 kWh

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Cdc Tj = 25 °C	1.0	
Pdc Tj = 20°C	2.54 kW	
EER Tj = 20°C	8.47	
Cdc Tj = 20 °C	1.0	
Poff	10 W	
PTO	10 W	

PSB	10 W
PCK	0 W
Annual energy consumption Qce	571 kWh

Model ERGA08EVA / EHBH08E6V

Model name	ERGA08EVA / EHBH08E6V
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
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

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Shutting off the heat transfer medium flow passed

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Defrost test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	7.50 kW	7.50 kW
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COP	4.60	2.70

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	+7°C/+12°C	+18°C/+23°C
El input	1.73 kW	
Cooling capacity	5.44	
EER	3.14	

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EN 14825 | Average Climate

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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 Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.20 kW	4.10 kW
COP Tj = +2°C	4.35	3.18
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.90 kW	4.50 kW
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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	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	3.00 kW
Annual energy consumption Qhe	3625 kWh	4731 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	5.40 kW	
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EER Tj = 20°C	8.47	
Cdc Tj = 20 °C	1.0	
Poff	10 W	
PTO	10 W	
PSB	10 W	

PCK	0 W
Annual energy consumption Qce	571 kWh

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