

Subtype DAIKIN ALTHERMA 3 R ECH2O 06KW (300L) (/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 ECH2O 06KW (300L) (/A)
Registration number	011-1W0264
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.5 kg
Certification Date	17.08.2018
Testing basis	HP KEYMARK certification scheme rules rev. 14
Testing laboratory	Wärmepumpen-Testzentrum (WPZ), CH

Model ERGA06EVA / EHSH(B)08P30E

Model name	ERGA06EVA / EHSH(B)08P30E
Application	Heating + DHW + low 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**EN 16147 | Average Climate**

Declared load profile	L
Efficiency ηDHW	118 %
COP	2.80
Heating up time	1:34 h:min
Standby power input	40.4 W
Reference hot water temperature	44.6 °C
Mixed water at 40°C	140 l

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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	6.00 kW	5.80 kW
El input	1.24 kW	2.15 kW
COP	4.85	2.70

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.55 kW	
Cooling capacity	5.09	
EER	3.28	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

Sound power level outdoor	60 dB(A)	60 dB(A)
---------------------------	----------	----------

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	176 %	127 %
P _{rated}	7.0 kW	7.0 kW
SCOP	4.47	3.25
T _{biv}	-6 °C	-6 °C
TOL	-10 °C	-10 °C
P _{dh Tj = -7°C}	6.0 kW	5.9 kW
COP T _{j = -7°C}	2.86	1.98
C _{dh Tj = -7 °C}	1.0	
P _{dh Tj = +2°C}	3.9 kW	3.9 kW
COP T _{j = +2°C}	4.25	3.16
C _{dh Tj = +2 °C}	1.0	1.0
P _{dh Tj = +7°C}	3.2 kW	3.0 kW
COP T _{j = +7°C}	6.30	4.49
C _{dh Tj = +7 °C}	1.0	1.0
P _{dh Tj = 12°C}	3.3 kW	3.3 kW
COP T _{j = 12°C}	7.78	6.10
C _{dh Tj = +12 °C}	1.0	1.0
P _{dh Tj = T_{biv}}	6.1 kW	6.1 kW
COP T _{j = T_{biv}}	3.07	2.12
P _{dh Tj = TOL or P_{dh Tj = T_{designh}} if TOL < T_{designh}}	6.0 kW	4.5 kW
COP T _{j = TOL or COP T_{j = T_{designh}} if TOL < T_{designh}}	2.49	1.43
C _{dh Tj = TOL or P_{dh Tj = T_{designh}} if TOL < T_{designh}}	1.00	1.00
WTOL	35 °C	55 °C
P _{off}	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	1.0 kW	2.6 kW
Annual energy consumption Q _{he}	3233 kWh	4456 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
P _{designc}	5.10 kW	
SEER	5.73	
P _{dc Tj = 35°C}	5.09 kW	
EER T _{j = 35°C}	3.28	
P _{dc Tj = 30°C}	3.75 kW	
EER T _{j = 30°C}	4.93	

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	2.52 kW
EER Tj = 20°C	8.36
Cdc Tj = 20 °C	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	533 kWh

Model ERGA06EVA / EHSX(B)08P30E

Model name	ERGA06EVA / EHSX(B)08P30E
Application	Heating + DHW + low 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 16147 | Average Climate**

Declared load profile	L
Efficiency ηDHW	118 %
COP	2.80
Heating up time	1:34 h:min
Standby power input	40.4 W
Reference hot water temperature	44.6 °C
Mixed water at 40°C	140 l

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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	6.00 kW	5.80 kW
El input	1.24 kW	2.15 kW
COP	4.85	2.70

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.55 kW	
Cooling capacity	5.09	
EER	3.28	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
--	-----------------	--------------------

Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	128 %
P _{rated}	7.0 kW	7.0 kW
SCOP	4.52	3.27
T _{biv}	-6 °C	-6 °C
T _{OL}	-10 °C	-10 °C
P _{dh T_j} = -7°C	6.0 kW	5.9 kW
COP T _j = -7°C	2.86	1.98
Cd _h T _j = -7 °C	1.0	
P _{dh T_j} = +2°C	3.9 kW	3.9 kW
COP T _j = +2°C	4.25	3.16
Cd _h T _j = +2 °C	1.0	1.0
P _{dh T_j} = +7°C	3.2 kW	3.0 kW
COP T _j = +7°C	6.30	4.49
Cd _h T _j = +7 °C	1.0	1.0
P _{dh T_j} = 12°C	3.3 kW	3.3 kW
COP T _j = 12°C	7.78	6.10
Cd _h T _j = +12 °C	1.0	1.0
P _{dh T_j} = T _{biv}	6.1 kW	6.1 kW
COP T _j = T _{biv}	3.07	2.12
P _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	6.0 kW	4.5 kW
COP T _j = T _{OL} or COP T _j = T _{designh} if T _{OL} < T _{designh}	2.49	1.43
Cd _h T _j = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	1.00	1.00
WT _{OL}	35 °C	55 °C
P _{off}	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	1.0 kW	2.6 kW
Annual energy consumption Q _{he}	3196 kWh	4419 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
P _{designc}	5.10 kW	
SEER	5.73	
P _{dc T_j} = 35°C	5.09 kW	
EER T _j = 35°C	3.28	
P _{dc T_j} = 30°C	3.75 kW	

EER Tj = 30°C	4.93
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	2.52 kW
EER Tj = 20°C	8.36
Cdc Tj = 20 °C	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	533 kWh

Model ERGA06EVH / EHSH(B)08P30E

Model name	ERGA06EVH / EHSH(B)08P30E
Application	Heating + DHW + low 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**EN 16147 | Average Climate**

Declared load profile	L
Efficiency ηDHW	118 %
COP	2.80
Heating up time	1:34 h:min
Standby power input	40.4 W
Reference hot water temperature	44.6 °C
Mixed water at 40°C	140 l

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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	6.00 kW	5.80 kW
El input	1.24 kW	2.15 kW
COP	4.85	2.70

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.55 kW	
Cooling capacity	5.09	
EER	3.28	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

Sound power level outdoor	60 dB(A)	60 dB(A)
---------------------------	----------	----------

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	176 %	127 %
P _{rated}	7.0 kW	7.0 kW
SCOP	4.47	3.26
T _{biv}	-6 °C	-6 °C
TOL	-10 °C	-10 °C
P _{dh Tj = -7°C}	6.0 kW	5.9 kW
COP T _{j = -7°C}	2.86	1.98
C _{dh Tj = -7 °C}	1.0	
P _{dh Tj = +2°C}	3.9 kW	3.9 kW
COP T _{j = +2°C}	4.25	3.16
C _{dh Tj = +2 °C}	1.0	1.0
P _{dh Tj = +7°C}	3.2 kW	3.0 kW
COP T _{j = +7°C}	6.30	4.49
C _{dh Tj = +7 °C}	1.0	1.0
P _{dh Tj = 12°C}	3.3 kW	3.3 kW
COP T _{j = 12°C}	7.78	6.10
C _{dh Tj = +12 °C}	1.0	1.0
P _{dh Tj = T_{biv}}	6.1 kW	6.1 kW
COP T _{j = T_{biv}}	3.07	2.12
P _{dh Tj = TOL or P_{dh Tj = T_{designh}} if TOL < T_{designh}}	6.0 kW	5.4 kW
COP T _{j = TOL or COP T_{j = T_{designh}} if TOL < T_{designh}}	2.49	1.53
C _{dh Tj = TOL or P_{dh Tj = T_{designh}} if TOL < T_{designh}}	1.00	1.00
WTOL	35 °C	55 °C
P _{off}	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	1.0 kW	1.6 kW
Annual energy consumption Q _{he}	3233 kWh	4441 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
P _{designc}	5.10 kW	
SEER	5.73	
P _{dc Tj = 35°C}	5.09 kW	
EER T _{j = 35°C}	3.28	
P _{dc Tj = 30°C}	3.75 kW	
EER T _{j = 30°C}	4.93	

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	2.52 kW
EER Tj = 20°C	8.36
Cdc Tj = 20 °C	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	533 kWh

Model ERGA06EVH / EHSX(B)08P30E

Model name	ERGA06EVH / EHSX(B)08P30E
Application	Heating + DHW + low 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 16147 | Average Climate**

Declared load profile	L
Efficiency ηDHW	118 %
COP	2.80
Heating up time	1:34 h:min
Standby power input	40.4 W
Reference hot water temperature	44.6 °C
Mixed water at 40°C	140 l

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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	6.00 kW	5.80 kW
El input	1.24 kW	2.15 kW
COP	4.85	2.70

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.55 kW	
Cooling capacity	5.09	
EER	3.28	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
--	-----------------	--------------------

Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	128 %
P _{rated}	7.0 kW	7.0 kW
SCOP	4.52	3.28
T _{biv}	-6 °C	-6 °C
T _{OL}	-10 °C	-10 °C
P _{dh T_j} = -7°C	6.0 kW	5.9 kW
COP T _j = -7°C	2.86	1.98
C _{dh T_j} = -7 °C	1.0	
P _{dh T_j} = +2°C	3.9 kW	3.9 kW
COP T _j = +2°C	4.25	3.16
C _{dh T_j} = +2 °C	1.0	1.0
P _{dh T_j} = +7°C	3.2 kW	3.0 kW
COP T _j = +7°C	6.30	4.49
C _{dh T_j} = +7 °C	1.0	1.0
P _{dh T_j} = 12°C	3.3 kW	3.3 kW
COP T _j = 12°C	7.78	6.10
C _{dh T_j} = +12 °C	1.0	1.0
P _{dh T_j} = T _{biv}	6.1 kW	6.1 kW
COP T _j = T _{biv}	3.07	2.12
P _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	6.0 kW	5.4 kW
COP T _j = T _{OL} or COP T _j = T _{designh} if T _{OL} < T _{designh}	2.49	1.53
C _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	1.00	1.00
WTOL	35 °C	55 °C
P _{off}	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	1.0 kW	1.6 kW
Annual energy consumption Q _{he}	3196 kWh	4405 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
P _{designc}	5.10 kW	
SEER	5.73	
P _{dc T_j} = 35°C	5.09 kW	
EER T _j = 35°C	3.28	
P _{dc T_j} = 30°C	3.75 kW	

EER Tj = 30°C	4.93
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	2.52 kW
EER Tj = 20°C	8.36
Cdc Tj = 20 °C	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	533 kWh