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

Summary of	DAIKIN ALTHERMA 3 R ECH2O 6KW (300L) (/A)	Reg. No.	011-1W0264
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	Wärmepumpen-Testzentrum WPZ		
Subtype title	DAIKIN ALTHERMA 3 R ECH2O 6KW (300L) (/A)		
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. 7		

Model: ERGA06DV / EHSX(B)08P30D2

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	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
Indoor water flow rate	1.03 m³/h	0.71 m³/h

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

Average Climate

EN 12102-1		
	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		
	Low temperature	**Medium temperature**
η_s	178 %	128 %
Prated	7.00 kW	7.00 kW
SCOP	4.52	3.26
Tbiv	-6 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.00 kW	5.90 kW
COP Tj = -7°C	2.86	1.98
Cdh		1.00
Pdh Tj = +2°C	3.90 kW	3.90 kW
COP Tj = +2°C	4.25	3.16
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.30	4.49
Cdh	1.00	1.00

Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.78	6.10
Cdh	1.00	1.00
Pdh Tj = Tbiv	6.10 kW	6.10 kW
COP Tj = Tbiv	3.07	2.12
Pdh Tj = TOL	6.00 kW	5.40 kW
COP Tj = TOL	2.49	1.53
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	1.60 kW
Annual energy consumption Qhe	3196 kWh	4405 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	115 %
COP	2.76
Heating up time	1:23 h:min
Standby power input	31.7 W
Reference hot water temperature	44.5 °C
Mixed water at 40°C	137 l

Model: ERGA06DV / EHSH(B)08P30D2

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	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
Indoor water flow rate	1.03 m³/h	0.71 m³/h

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

Average Climate

EN 12102-1		
	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		
	Low temperature	**Medium temperature**
η_s	176 %	127 %
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Tbiv	-6 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.00 kW	5.90 kW
COP Tj = -7°C	2.86	1.98
Cdh		1.00
Pdh Tj = +2°C	3.90 kW	3.90 kW
COP Tj = +2°C	4.25	3.16
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.30	4.49
Cdh	1.00	1.00

Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.78	6.10
Cdh	1.00	1.00
Pdh Tj = Tbiv	6.10 kW	6.10 kW
COP Tj = Tbiv	3.07	2.12
Pdh Tj = TOL	6.00 kW	5.40 kW
COP Tj = TOL	2.49	1.53
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	1.60 kW
Annual energy consumption Qhe	3233 kWh	4441 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	115 %
COP	2.76
Heating up time	1:23 h:min
Standby power input	31.7 W
Reference hot water temperature	44.5 °C
Mixed water at 40°C	137 l

Model: ERGA06DVA / EHSX(B)08P30D2

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	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
Indoor water flow rate	1.03 m³/h	0.71 m³/h

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

Average Climate

EN 12102-1		
	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		
	Low temperature	**Medium temperature**
η_s	178 %	128 %
Prated	7.00 kW	7.00 kW
SCOP	4.52	3.27
Tbiv	-6 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.00 kW	5.90 kW
COP Tj = -7°C	2.86	1.98
Cdh		1.00
Pdh Tj = +2°C	3.90 kW	3.90 kW
COP Tj = +2°C	4.25	3.16
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.30	4.49
Cdh	1.00	1.00

Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.78	6.10
Cdh	1.00	1.00
Pdh Tj = Tbiv	6.10 kW	6.10 kW
COP Tj = Tbiv	3.07	2.12
Pdh Tj = TOL	6.00 kW	4.50 kW
COP Tj = TOL	2.49	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	2.50 kW
Annual energy consumption Qhe	3196 kWh	4419 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.76
Heating up time	1:23 h:min
Standby power input	31.7 W
Reference hot water temperature	44.5 °C
Mixed water at 40°C	137 l

Model: ERGA06DVA / EHSH(B)08P30D2

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	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
Indoor water flow rate	1.03 m³/h	0.71 m³/h

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

Average Climate

EN 12102-1		
	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		
	Low temperature	**Medium temperature**
η_s	176 %	127 %
Prated	7.00 kW	7.00 kW
SCOP	4.47	3.25
Tbiv	-6 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.00 kW	5.90 kW
COP Tj = -7°C	2.86	1.98
Cdh		1.00
Pdh Tj = +2°C	3.90 kW	3.90 kW
COP Tj = +2°C	4.25	3.16
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.30	4.49
Cdh	1.00	1.00

Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.78	6.10
Cdh	1.00	1.00
Pdh Tj = Tbiv	6.10 kW	6.10 kW
COP Tj = Tbiv	3.07	2.12
Pdh Tj = TOL	6.00 kW	4.50 kW
COP Tj = TOL	2.49	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	2.50 kW
Annual energy consumption Qhe	3233 kWh	4456 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	115 %
COP	2.76
Heating up time	1:23 h:min
Standby power input	31.7 W
Reference hot water temperature	44.5 °C
Mixed water at 40°C	137 l

Model: ERGA06EV / EHSX(B)08P30D3

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	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
Indoor water flow rate	1.03 m³/h	0.71 m³/h

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

Average Climate

EN 12102-1		
	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		
	Low temperature	**Medium temperature**
η_s	178 %	128 %
Prated	7.00 kW	7.00 kW
SCOP	4.52	3.26
Tbiv	-6 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.00 kW	5.90 kW
COP Tj = -7°C	2.86	1.98
Cdh		1.00
Pdh Tj = +2°C	3.90 kW	3.90 kW
COP Tj = +2°C	4.25	3.16
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.30	4.49
Cdh	1.00	1.00

Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.78	6.10
Cdh	1.00	1.00
Pdh Tj = Tbiv	6.10 kW	6.10 kW
COP Tj = Tbiv	3.07	2.12
Pdh Tj = TOL	6.00 kW	5.40 kW
COP Tj = TOL	2.49	1.53
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	1.60 kW
Annual energy consumption Qhe	3196 kWh	4405 kWh

Cooling

EN 14511-2

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

EN 14825

	+7°C/+12°C
Pdesignc	5.10 kW
SEER	5.73
Pdc Tj = 35°C	5.09 kW
EER Tj = 35°C	3.28
Pdc Tj = 30°C	3.75 kW
EER Tj = 30°C	4.93
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.52 kW
EER Tj = 20°C	8.36
Cdc	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	533 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.76
Heating up time	1:23 h:min
Standby power input	31.7 W
Reference hot water temperature	44.5 °C
Mixed water at 40°C	137 l

Model: ERGA06EVA / EHSX(B)08P30D3

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	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
Indoor water flow rate	1.03 m³/h	0.71 m³/h

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

Average Climate

EN 12102-1

	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

	Low temperature	Medium temperature
η_s	178 %	128 %
Prated	7.00 kW	7.00 kW
SCOP	4.52	3.27
Tbiv	-6 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.00 kW	5.90 kW
COP Tj = -7°C	2.86	1.98
Cdh		1.00
Pdh Tj = +2°C	3.90 kW	3.90 kW
COP Tj = +2°C	4.25	3.16
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.30	4.49
Cdh	1.00	1.00

Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.78	6.10
Cdh	1.00	1.00
Pdh Tj = Tbiv	6.10 kW	6.10 kW
COP Tj = Tbiv	3.07	2.12
Pdh Tj = TOL	6.00 kW	4.50 kW
COP Tj = TOL	2.49	1.43
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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	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	2.50 kW
Annual energy consumption Qhe	3196 kWh	4419 kWh

Cooling

EN 14511-2

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

EN 14825

	+7°C/+12°C
Pdesignc	5.10 kW
SEER	5.73
Pdc Tj = 35°C	5.09 kW
EER Tj = 35°C	3.28
Pdc Tj = 30°C	3.75 kW
EER Tj = 30°C	4.93
Cdc	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc	1.0
Pdc Tj = 20°C	2.52 kW
EER Tj = 20°C	8.36
Cdc	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	533 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.76
Heating up time	1:23 h:min
Standby power input	31.7 W
Reference hot water temperature	44.5 °C
Mixed water at 40°C	137 l

Model: ERGA06EV / EHSH(B)08P30D3

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	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
Indoor water flow rate	1.03 m³/h	0.71 m³/h

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

Average Climate

EN 12102-1		
	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		
	Low temperature	**Medium temperature**
η_s	176 %	127 %
Prated	7.00 kW	7.00 kW
SCOP	4.47	3.26
Tbiv	-6 °C	-6 °C
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Pdh Tj = -7°C	6.00 kW	5.90 kW
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Pdh Tj = Tbiv	6.10 kW	6.10 kW
COP Tj = Tbiv	3.07	2.12
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COP Tj = TOL	2.49	1.53
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	1.60 kW
Annual energy consumption Qhe	3233 kWh	4441 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	115 %
COP	2.76
Heating up time	1:23 h:min
Standby power input	31.7 W
Reference hot water temperature	44.5 °C
Mixed water at 40°C	137 l

Model: ERGA06EVA / EHSH(B)08P30D3

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	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
Indoor water flow rate	1.03 m³/h	0.71 m³/h

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

Average Climate

EN 12102-1		
	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		
	Low temperature	**Medium temperature**
η_s	176 %	127 %
Prated	7.00 kW	7.00 kW
SCOP	4.47	3.25
Tbiv	-6 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.00 kW	5.90 kW
COP Tj = -7°C	2.86	1.98
Cdh		1.00
Pdh Tj = +2°C	3.90 kW	3.90 kW
COP Tj = +2°C	4.25	3.16
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.30	4.49
Cdh	1.00	1.00

Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.78	6.10
Cdh	1.00	1.00
Pdh Tj = Tbiv	6.10 kW	6.10 kW
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Pdh Tj = TOL	6.00 kW	4.50 kW
COP Tj = TOL	2.49	1.43
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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	Electrical	Electrical
Supplementary Heater: PSUP	1.00 kW	2.50 kW
Annual energy consumption Qhe	3233 kWh	4456 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.76
Heating up time	1:23 h:min
Standby power input	31.7 W
Reference hot water temperature	44.5 °C
Mixed water at 40°C	137 l