

This information was generated by the HP KEYMARK database on 22 Jun 2022

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Summary of	DAIKIN ALTHERMA 3 R ECH2O 04KW (300L) (/A)	Reg. No.	011-1W0262
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		
Subtype title	DAIKIN ALTHERMA 3 R ECH2O 04KW (300L) (/A)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.5 kg		
Certification Date	17.08.2018		
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 9 (as of 2021-03)		

Model: ERGA04EV / ESH(B)04P30D3

Configure model	
Model name	ERGA04EV / ESH(B)04P30D3
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	4.90 kW
El input	0.85 kW	1.85 kW
COP	5.10	2.65

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

Cooling

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Cooling capacity	4.52
EER	3.32

EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

	+7°C/+12°C
P _{designc}	4.50 kW
SEER	5.66
P _{dc} T _j = 35°C	4.52 kW
EER T _j = 35°C	3.32
P _{dc} T _j = 30°C	3.14 kW
EER T _j = 30°C	5.11
C _{dc}	1.0
P _{dc} T _j = 25°C	2.43 kW
EER T _j = 25°C	6.69
C _{dc}	1.0
P _{dc} T _j = 20°C	2.50 kW
EER T _j = 20°C	8.24
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	480 kWh

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	176 %	127 %
Prated	6.00 kW	6.00 kW
SCOP	4.48	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.50 kW	5.30 kW
COP Tj = -7°C	2.90	1.97
Cdh Tj = -7 °C	n/a	1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh Tj = +7 °C	1.00	1.00

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Pdh Tj = 12°C	3.30 kW	3.30 kW
COP Tj = 12°C	7.78	6.10
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.20 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2766 kWh	3806 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	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: ERGA04EV / EHSX(B)04P30D3

Configure model	
Model name	ERGA04EV / EHSX(B)04P30D3
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	4.90 kW
El input	0.85 kW	1.85 kW
COP	5.10	2.65

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

Cooling

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EN 14511-2

	+7°C/+12°C
El input	1.36 kW
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SEER	5.66
P _{dc} T _j = 35°C	4.52 kW
EER T _j = 35°C	3.32
P _{dc} T _j = 30°C	3.14 kW
EER T _j = 30°C	5.11
C _{dc}	1.0
P _{dc} T _j = 25°C	2.43 kW
EER T _j = 25°C	6.69
C _{dc}	1.0
P _{dc} T _j = 20°C	2.50 kW
EER T _j = 20°C	8.24
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	480 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	129 %
Prated	6.00 kW	6.00 kW
SCOP	4.54	3.29
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.50 kW	5.30 kW
COP Tj = -7°C	2.90	1.97
Cdh Tj = -7 °C	n/a	1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh Tj = +7 °C	1.00	1.00

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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.20 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2729 kWh	3769 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	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: ERGA04EVA / ESH(B)04P30D3

Configure model	
Model name	ERGA04EVA / ESH(B)04P30D3
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	4.90 kW
El input	0.85 kW	1.85 kW
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EN 14511-4	
Shutting off the heat transfer medium flow	passed
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Defrost test	passed
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Cooling

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P _{off}	10 W
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Annual energy consumption Q _{ce}	480 kWh

Average Climate

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	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
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	Low temperature	Medium temperature
η_s	176 %	127 %
Prated	6.00 kW	6.00 kW
SCOP	4.48	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.50 kW	5.30 kW
COP Tj = -7°C	2.90	1.97
Cdh Tj = -7 °C	n/a	1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
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PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2766 kWh	3806 kWh

Domestic Hot Water (DHW)

Average Climate

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Declared load profile	L
Efficiency η_{DHW}	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: ERGA04EVA / EHSX(B)04P30D3

Configure model	
Model name	ERGA04EVA / EHSX(B)04P30D3
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	4.90 kW
El input	0.85 kW	1.85 kW
COP	5.10	2.65

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

Cooling

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
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EER T _j = 35°C	3.32
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C _{dc}	1.0
P _{dc} T _j = 25°C	2.43 kW
EER T _j = 25°C	6.69
C _{dc}	1.0
P _{dc} T _j = 20°C	2.50 kW
EER T _j = 20°C	8.24
C _{dc}	1.0
P _{off}	10 W
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Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
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EN 14825

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η_s	179 %	129 %
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Pdh Tj = -7°C	5.50 kW	5.30 kW
COP Tj = -7°C	2.90	1.97
Cdh Tj = -7 °C	n/a	1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh Tj = +7 °C	1.00	1.00

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COP Tj = 12°C	7.78	6.10
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.20 kW	4.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2729 kWh	3769 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	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: ERGA04EV / ESH(B)04P30E

Configure model	
Model name	ERGA04EV / ESH(B)04P30E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	4.90 kW
El input	0.85 kW	1.85 kW
COP	5.10	2.65

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

Cooling

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Cooling capacity	4.52
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C _{dc}	1.0
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Annual energy consumption Q _{ce}	480 kWh

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 12102-1

	Low temperature	Medium temperature
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Pdh Tj = -7°C	5.5 kW	5.3 kW
COP Tj = -7°C	2.90	1.97
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	3.3 kW	3.3 kW
COP Tj = +2°C	4.33	3.23
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.2 kW	3.0 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	0.8 kW	2.0 kW
Annual energy consumption Qhe	2766 kWh	3806 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	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

Model: ERGA04EV / EHSX(B)04P30E

Configure model	
Model name	ERGA04EV / EHSX(B)04P30E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	4.90 kW
El input	0.85 kW	1.85 kW
COP	5.10	2.65

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

Cooling

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Cooling capacity	4.52
EER	3.32

EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

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P _{dc} T _j = 20°C	2.50 kW
EER T _j = 20°C	8.24
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	480 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
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Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.5 kW	5.3 kW
COP Tj = -7°C	2.90	1.97
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	3.3 kW	3.3 kW
COP Tj = +2°C	4.33	3.23
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.2 kW	3.0 kW
COP Tj = +7°C	6.19	4.40
Cdh Tj = +7 °C	1.0	1.0

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Pdh Tj = 12°C	3.3 kW	3.3 kW
COP Tj = 12°C	7.78	6.10
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	5.5 kW	5.3 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.2 kW	4.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
Supplementary Heater: PSUP	0.8 kW	2.0 kW
Annual energy consumption Qhe	2729 kWh	3769 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	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

Model: ERGA04EVA / ESH(B)04P30E

Configure model	
Model name	ERGA04EVA / ESH(B)04P30E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

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	Low temperature	Medium temperature
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El input	0.85 kW	1.85 kW
COP	5.10	2.65

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

Cooling

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Cooling capacity	4.52
EER	3.32

EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

	+7°C/+12°C
P _{designc}	4.50 kW
SEER	5.66
P _{dc} T _j = 35°C	4.52 kW
EER T _j = 35°C	3.32
P _{dc} T _j = 30°C	3.14 kW
EER T _j = 30°C	5.11
C _{dc}	1.0
P _{dc} T _j = 25°C	2.43 kW
EER T _j = 25°C	6.69
C _{dc}	1.0
P _{dc} T _j = 20°C	2.50 kW
EER T _j = 20°C	8.24
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	480 kWh

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	176 %	127 %
Prated	6.0 kW	6.0 kW
SCOP	4.48	3.26
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.5 kW	5.3 kW
COP Tj = -7°C	2.90	1.97
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	3.3 kW	3.3 kW
COP Tj = +2°C	4.33	3.23
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.2 kW	3.0 kW
COP Tj = +7°C	6.19	4.40
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 22 Jun 2022

Pdh Tj = 12°C	3.3 kW	3.3 kW
COP Tj = 12°C	7.78	6.10
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	5.5 kW	5.3 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.2 kW	4.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
Supplementary Heater: PSUP	0.8 kW	2.0 kW
Annual energy consumption Qhe	2766 kWh	3806 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	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

Model: ERGA04EVA / EHSX(B)04P30E

Configure model	
Model name	ERGA04EVA / EHSX(B)04P30E
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.30 kW	4.90 kW
El input	0.85 kW	1.85 kW
COP	5.10	2.65

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

Cooling

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Cooling capacity	4.52
EER	3.32

EN 14825

This information was generated by the HP KEYMARK database on 22 Jun 2022

	+7°C/+12°C
P _{designc}	4.50 kW
SEER	5.66
P _{dc} T _j = 35°C	4.52 kW
EER T _j = 35°C	3.32
P _{dc} T _j = 30°C	3.14 kW
EER T _j = 30°C	5.11
C _{dc}	1.0
P _{dc} T _j = 25°C	2.43 kW
EER T _j = 25°C	6.69
C _{dc}	1.0
P _{dc} T _j = 20°C	2.50 kW
EER T _j = 20°C	8.24
C _{dc}	1.0
P _{off}	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q _{ce}	480 kWh

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	129 %
Prated	6.0 kW	6.0 kW
SCOP	4.54	3.29
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.5 kW	5.3 kW
COP Tj = -7°C	2.90	1.97
Cdh Tj = -7 °C	n/a	1.0
Pdh Tj = +2°C	3.3 kW	3.3 kW
COP Tj = +2°C	4.33	3.23
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.2 kW	3.0 kW
COP Tj = +7°C	6.19	4.40
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 22 Jun 2022

Pdh Tj = 12°C	3.3 kW	3.3 kW
COP Tj = 12°C	7.78	6.10
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	5.5 kW	5.3 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.2 kW	4.0 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.37
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
Supplementary Heater: PSUP	0.8 kW	2.0 kW
Annual energy consumption Qhe	2729 kWh	3769 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	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