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

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

### Cooling

**EN 14511-2**

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

**EN 14825**

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

## Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 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
$\eta_s$	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 18 Mar 2022

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	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 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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

### Cooling



### EN 14511-2

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

### EN 14825

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

## Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 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
$\eta_s$	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 = 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	2729 kWh	3769 kWh

## Domestic Hot Water (DHW)

### Average Climate

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	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 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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

## Cooling

**EN 14511-2**

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

**EN 14825**

This information was generated by the HP KEYMARK database on 18 Mar 2022

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

## Average Climate



This information was generated by the HP KEYMARK database on 18 Mar 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
$\eta_s$	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 18 Mar 2022

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	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 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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

### Cooling

**EN 14511-2**

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

**EN 14825**

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

## Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 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
$\eta_s$	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 = 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	2729 kWh	3769 kWh

## Domestic Hot Water (DHW)

### Average Climate



<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	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 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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

### Cooling

**EN 14511-2**

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

**EN 14825**

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	<b>+7°C/+12°C</b>
P <sub>designc</sub>	4.50 kW
SEER	5.66
P <sub>dc</sub> T <sub>j</sub> = 35°C	4.52 kW
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EER T <sub>j</sub> = 30°C	5.11
C <sub>dc</sub>	1.0
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EER T <sub>j</sub> = 25°C	6.69
C <sub>dc</sub>	1.0
P <sub>dc</sub> T <sub>j</sub> = 20°C	2.50 kW
EER T <sub>j</sub> = 20°C	8.24
C <sub>dc</sub>	1.0
P <sub>off</sub>	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Q <sub>ce</sub>	480 kWh

## Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 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
$\eta_s$	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
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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 18 Mar 2022

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	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 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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

### Cooling



**EN 14511-2**

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

**EN 14825**

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	<b>+7°C/+12°C</b>
P <sub>designc</sub>	4.50 kW
SEER	5.66
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P <sub>dc</sub> T <sub>j</sub> = 30°C	3.14 kW
EER T <sub>j</sub> = 30°C	5.11
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EER T <sub>j</sub> = 25°C	6.69
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EER T <sub>j</sub> = 20°C	8.24
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PTO	10 W
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Annual energy consumption Q <sub>ce</sub>	480 kWh

## Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 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
$\eta_s$	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 18 Mar 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

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	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

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

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

### Cooling

**EN 14511-2**

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

**EN 14825**

This information was generated by the HP KEYMARK database on 18 Mar 2022

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

## Average Climate



This information was generated by the HP KEYMARK database on 18 Mar 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
$\eta_s$	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 18 Mar 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 18 Mar 2022

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	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 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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

### Cooling

**EN 14511-2**

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

**EN 14825**

This information was generated by the HP KEYMARK database on 18 Mar 2022

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

## Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 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
$\eta_s$	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

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COP Tj = Tbiv	2.90	1.97
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.37
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WTOL	35 °C	55 °C
Poff	10 W	10 W
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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



This information was generated by the HP KEYMARK database on 18 Mar 2022

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	118 %
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Heating up time	1:34 h:min
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