

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

Summary of	DAIKIN ALTHERMA 3 R W/F 4KW (180L) (/A)		Reg. No.	011-1W0218
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	Danish Technological Institute			
Subtype title	DAIKIN ALTHERMA 3 R W/F 4KW (180L) (/A)			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass Of Refrigerant	1.5 kg			
Certification Date	11.06.2018			
Testing basis	HP KEYMARK certification scheme rules rev. 7			

Model: ERGA04DV(A) / EHVH04S18D6V(G)

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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
Indoor water flow rate	0.74 m ³ /h	0.53 m ³ /h

Average Climate

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 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		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh	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	1.00	1.00
Pdh Tj = Tbiv	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
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 17 Dec 2020

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	125 %
COP	3.10
Heating up time	1:34 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	238 l

Model: ERGA04DV(A) / EHVX04S18D3V(G)

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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
Indoor water flow rate	0.74 m ³ /h	0.53 m ³ /h

Average Climate

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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		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh	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
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Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2766 kWh	3806 kWh

Cooling

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

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Indoor water flow rate	0.78 m³/h
Cooling capacity	4.52
EER	3.32

EN 14825

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

	+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

Domestic Hot Water (DHW)

Average Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	127 %
COP	3.10
Heating up time	1:34 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	238 l

Model: ERGA04DV(A) / EHVX04S18D6V(G)

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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
Indoor water flow rate	0.74 m ³ /h	0.53 m ³ /h

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	Low temperature	Medium temperature
η_s	179 %	129 %
Prated	6.00 kW	6.00 kW
SCOP	4.54	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		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
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Pdh Tj = +7°C	3.20 kW	3.00 kW
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Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2729 kWh	3769 kWh

Cooling

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

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Indoor water flow rate	0.78 m³/h
Cooling capacity	4.52
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EN 14825

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P _{designc}	4.50 kW
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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

Domestic Hot Water (DHW)

Average Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	125 %
COP	3.10
Heating up time	1:34 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	238 l

Model: ERGA04DV / EHVZ04S18D6V(G)

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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
Indoor water flow rate	0.74 m ³ /h	0.53 m ³ /h

Average Climate

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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
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Pdh Tj = -7°C	5.50 kW	5.30 kW
COP Tj = -7°C	2.90	1.97
Cdh		1.00
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COP Tj = +2°C	4.33	3.23
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Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
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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EN 16147	
Declared load profile	L
Efficiency η_{DHW}	125 %
COP	3.10
Heating up time	1:34 h:min
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Reference hot water temperature	52.5 °C
Mixed water at 40°C	238 l

Model: ERGA04DV(A) / EHBH04D6V

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2

	Low temperature	Medium temperature
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PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2766 kWh	3806 kWh

Model: ERGA04DV(A) / EHBX04D6V

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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
Indoor water flow rate	0.74 m ³ /h	0.53 m ³ /h

Average Climate

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Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2729 kWh	3769 kWh

Cooling

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Indoor water flow rate	0.78 m³/h
Cooling capacity	4.52
EER	3.32

EN 14825

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

	+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
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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

Model: ERGA04EV / EHVH04S18E6V + cooling kit

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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
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Supplementary Heater: PSUP	0.80 kW	2.00 kW
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Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Declared load profile	L
Efficiency η_{DHW}	125 %
COP	3.10
Heating up time	1:34 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	238 l

Model: ERGA04EV(A) / EHVX04S18E3V

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

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Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2729 kWh	3769 kWh

Cooling

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

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Indoor water flow rate	0.78 m³/h
Cooling capacity	4.52
EER	3.32

EN 14825

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

	+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

Domestic Hot Water (DHW)

Average Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	125 %
COP	3.10
Heating up time	1:34 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	238 l

Model: ERGA04EV(A) / EHVX04S18E6V(G)

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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
Indoor water flow rate	0.74 m ³ /h	0.53 m ³ /h

Average Climate

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 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		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh	1.00	1.00

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

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	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2729 kWh	3769 kWh

Cooling

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

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Indoor water flow rate	0.78 m³/h
Cooling capacity	4.52
EER	3.32

EN 14825

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

	+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

Domestic Hot Water (DHW)

Average Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	125 %
COP	3.10
Heating up time	1:34 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	238 l

Model: ERGA04EV(A) / EHVH04S18E6V

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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
Indoor water flow rate	0.74 m ³ /h	0.53 m ³ /h

Average Climate

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 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		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh	1.00	1.00

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

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	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2766 kWh	3806 kWh

Cooling

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

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Indoor water flow rate	0.78 m³/h
Cooling capacity	4.52
EER	3.32

EN 14825

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

	+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

Domestic Hot Water (DHW)

Average Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	125 %
COP	3.10
Heating up time	1:34 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	238 l

Model: ERGA04EV / EHVZ04S18E6V

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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
Indoor water flow rate	0.74 m ³ /h	0.53 m ³ /h

Average Climate

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 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		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh	1.00	1.00

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

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	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2766 kWh	3806 kWh

Cooling

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

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Indoor water flow rate	0.78 m³/h
Cooling capacity	4.52
EER	3.32

EN 14825

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

	+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

Domestic Hot Water (DHW)

Average Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	125 %
COP	3.10
Heating up time	1:34 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	238 l

Model: ERGA04EV(A) / EHVH04SU18E6V

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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
Indoor water flow rate	0.74 m ³ /h	0.53 m ³ /h

Average Climate

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 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		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh	1.00	1.00

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

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	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2766 kWh	3806 kWh

Cooling

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

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Indoor water flow rate	0.78 m³/h
Cooling capacity	4.52
EER	3.32

EN 14825

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

	+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

Domestic Hot Water (DHW)

Average Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	125 %
COP	3.10
Heating up time	1:34 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	238 l

Model: ERGA04EV / EHVZ04S18E6V + cooling kit

General Data

Power supply	n/a
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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
Indoor water flow rate	0.74 m ³ /h	0.53 m ³ /h

Average Climate

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 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		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh	1.00	1.00

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

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	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2766 kWh	3806 kWh

Cooling

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

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Indoor water flow rate	0.78 m³/h
Cooling capacity	4.52
EER	3.32

EN 14825

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

	+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

Domestic Hot Water (DHW)

Average Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	125 %
COP	3.10
Heating up time	1:34 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	238 l

Model: ERGA04EV(A) / EHBX04E6V

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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
Indoor water flow rate	0.74 m ³ /h	0.53 m ³ /h

Average Climate

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 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		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh	1.00	1.00

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

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	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2729 kWh	3769 kWh

Cooling

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

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Indoor water flow rate	0.78 m³/h
Cooling capacity	4.52
EER	3.32

EN 14825

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

	+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

Model: ERGA04EV(A) / EHBH04E6V

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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
Indoor water flow rate	0.74 m ³ /h	0.53 m ³ /h

Average Climate

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 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		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh	1.00	1.00

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

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	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2729 kWh	3769 kWh

Cooling

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

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Indoor water flow rate	0.78 m³/h
Cooling capacity	4.52
EER	3.32

EN 14825

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

	+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

Model: ERGA04EV / EHBH04E6V + cooling kit

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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
Indoor water flow rate	0.74 m ³ /h	0.53 m ³ /h

Average Climate

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 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		1.00
Pdh Tj = +2°C	3.30 kW	3.30 kW
COP Tj = +2°C	4.33	3.23
Cdh	1.00	1.00
Pdh Tj = +7°C	3.20 kW	3.00 kW
COP Tj = +7°C	6.19	4.40
Cdh	1.00	1.00

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

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	5.50 kW	5.30 kW
COP Tj = Tbiv	2.90	1.97
Pdh Tj = TOL	5.20 kW	4.00 kW
COP Tj = TOL	2.56	1.37
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.80 kW	2.00 kW
Annual energy consumption Qhe	2766 kWh	3806 kWh

Cooling

EN 14511-2

	+7°C/+12°C
El input	1.36 kW
Indoor water flow rate	0.78 m³/h
Cooling capacity	4.52
EER	3.32

EN 14825

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

	+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