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Summary of	DAIKIN ALTHERMA 3 H HT F 16KW (230L)	Reg. No.	011-1W0358
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 H HT F 16KW (230L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	4.2 kg		
Certification Date	07.02.2020		

Model: EPRA16DV3 / ETVH16S23E(6V/9W)

Configure model

Model name	EPRA16DV3 / ETVH16S23E(6V/9W)
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
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	9 kW	7.24 kW
El input	1.80 kW	2.41 kW
COP	5	3.01

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.08
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1158 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	177 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.7 kW	6.9 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.000	1.000

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	6 kW	6.2 kW
COP Tj = 12°C	7.4	5.72
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	11.1 kW	12.2 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.1 kW	12.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	0.0 kW
Annual energy consumption Qhe	5726 kWh	7211 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	108 %
COP	2.61
Heating up time	1:19 h:min
Standby power input	49.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DW1 / ETVH16S23E(6V/9W)

Configure model	
Model name	EPRA16DW1 / ETVH16S23E(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9 kW	7.24 kW
El input	1.80 kW	2.47 kW
COP	5	2.93

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.07
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	31 W
PTO	33 W
PSB	42 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1188 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.71	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.000	1.000

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	10.7 kW	12.5 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.1 kW	12.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.88	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
PTO	33 W	33 W
PSB	42 W	42 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.4 kW	0.0 kW
Annual energy consumption Qhe	5479 kWh	7236 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	107 %
COP	2.55
Heating up time	1:19 h:min
Standby power input	58.5 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DV3 / ETVX16S23E(6V/9W)

Configure model

Model name	EPRA16DV3 / ETVX16S23E(6V/9W)
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
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	9 kW	7.24 kW
El input	1.80 kW	2.41 kW
COP	5	3.01

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.08
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1158 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	180 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.57	3.62
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.7 kW	6.9 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.000	1.000

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	6 kW	6.2 kW
COP Tj = 12°C	7.4	5.72
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	11.1 kW	12.2 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.1 kW	12.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	0.0 kW
Annual energy consumption Qhe	5649 kWh	7134 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	108 %
COP	2.61
Heating up time	1:19 h:min
Standby power input	49.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DW1 / ETVX16S23E(6V/9W)

Configure model	
Model name	EPRA16DW1 / ETVX16S23E(6V/9W)
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	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9 kW	7.24 kW
El input	1.80 kW	2.47 kW
COP	5	2.93

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.07
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	31 W
PTO	33 W
PSB	42 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1188 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	190 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.81	3.63
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.000	1.000

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	10.7 kW	12.5 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.1 kW	12.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.88	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
PTO	33 W	33 W
PSB	42 W	42 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.4 kW	0.0 kW
Annual energy consumption Qhe	5366 kWh	7122 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	107 %
COP	2.55
Heating up time	1:19 h:min
Standby power input	58.5 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DV3 / ETVZ16S23E(6V/9W)

Configure model	
Model name	EPRA16DV3 / ETVZ16S23E(6V/9W)
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	9 kW	7.24 kW
El input	1.80 kW	2.41 kW
COP	5	3.01

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.08
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1158 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	177 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.7 kW	6.9 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.000	1.000

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	6 kW	6.2 kW
COP Tj = 12°C	7.4	5.72
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	11.1 kW	12.2 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.1 kW	12.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	0.0 kW
Annual energy consumption Qhe	5726 kWh	7211 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	108 %
COP	2.61
Heating up time	1:19 h:min
Standby power input	49.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DW1 / ETVZ16S23E(6V/9W)

Configure model

Model name	EPRA16DW1 / ETVZ16S23E(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	9 kW	7.24 kW
El input	1.80 kW	2.47 kW
COP	5	2.93

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.07
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	31 W
PTO	33 W
PSB	42 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1188 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.71	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.000	1.000

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	10.7 kW	12.5 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.1 kW	12.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.88	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
PTO	33 W	33 W
PSB	42 W	42 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.4 kW	0.0 kW
Annual energy consumption Qhe	5479 kWh	7236 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	107 %
COP	2.55
Heating up time	1:19 h:min
Standby power input	58.5 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DV3 / ETVH16S23E(6V/9W) + cooling kit

Configure model	
Model name	EPRA16DV3 / ETVH16S23E(6V/9W) + cooling kit
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	9 kW	7.24 kW
El input	1.80 kW	2.41 kW
COP	5	3.01

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.08
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1158 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	180 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.57	3.62
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.7 kW	6.9 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.000	1.000

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	6 kW	6.2 kW
COP Tj = 12°C	7.4	5.72
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	11.1 kW	12.2 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.1 kW	12.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	0.0 kW
Annual energy consumption Qhe	5649 kWh	7134 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 29 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	108 %
COP	2.61
Heating up time	1:19 h:min
Standby power input	49.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DW1 / ETVH16S23E(6V/9W) + cooling kit

Configure model	
Model name	EPRA16DW1 / ETVH16S23E(6V/9W) + cooling kit
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	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9 kW	7.24 kW
El input	1.80 kW	2.47 kW
COP	5	2.93

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.07
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	31 W
PTO	33 W
PSB	42 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1188 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	190 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.81	3.63
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.000	1.000

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	10.7 kW	12.5 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.1 kW	12.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.88	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
PTO	33 W	33 W
PSB	42 W	42 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.4 kW	0.0 kW
Annual energy consumption Qhe	5366 kWh	7122 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	107 %
COP	2.55
Heating up time	1:19 h:min
Standby power input	58.5 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DV3 / ETVH16SU23E6V

Configure model	
Model name	EPRA16DV3 / ETVH16SU23E6V
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	9 kW	7.24 kW
El input	1.80 kW	2.41 kW
COP	5	3.01

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.08
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1158 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	177 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.7 kW	6.9 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.000	1.000

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	6 kW	6.2 kW
COP Tj = 12°C	7.4	5.72
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	11.1 kW	12.2 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.1 kW	12.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	0.0 kW
Annual energy consumption Qhe	5726 kWh	7211 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	108 %
COP	2.61
Heating up time	1:19 h:min
Standby power input	49.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DW1 / ETVH16SU23E6V

Configure model	
Model name	EPRA16DW1 / ETVH16SU23E6V
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9 kW	7.24 kW
El input	1.80 kW	2.47 kW
COP	5	2.93

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.07
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	31 W
PTO	33 W
PSB	42 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1188 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.71	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.000	1.000

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	10.7 kW	12.5 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.1 kW	12.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.88	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
PTO	33 W	33 W
PSB	42 W	42 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.4 kW	0.0 kW
Annual energy consumption Qhe	5479 kWh	7236 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	107 %
COP	2.55
Heating up time	1:19 h:min
Standby power input	58.5 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DV37 / ETVH16S23E(6V/9W)7

Configure model	
Model name	EPRA16DV37 / ETVH16S23E(6V/9W)7
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	9.00 kW	7.24 kW
El input	1.80 kW	2.41 kW
COP	5.00	3.01

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.08
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1158 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	177 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	5.7 kW	6.9 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	6.0 kW	6.2 kW
COP Tj = 12°C	7.40	5.72
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.1 kW	12.2 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.1 kW	12.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	0.0 kW
Annual energy consumption Qhe	5726 kWh	7211 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	108 %
COP	2.61
Heating up time	1:19 h:min
Standby power input	49.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DW17 / ETVH16S23E(6V/9W)7

Configure model	
Model name	EPRA16DW17 / ETVH16S23E(6V/9W)7
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.47 kW
COP	5.00	2.93

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.07
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	31 W
PTO	33 W
PSB	42 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1188 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.71	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	10.7 kW	12.5 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.1 kW	12.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.88	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
PTO	33 W	33 W
PSB	42 W	42 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.4 kW	0.0 kW
Annual energy consumption Qhe	5479 kWh	7236 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	107 %
COP	2.55
Heating up time	1:19 h:min
Standby power input	58.5 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DV37 / ETVH16SU23E6V7

Configure model

Model name	EPRA16DV37 / ETVH16SU23E6V7
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
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.41 kW
COP	5.00	3.01

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.08
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1158 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	177 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	5.7 kW	6.9 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	6.0 kW	6.2 kW
COP Tj = 12°C	7.40	5.72
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.1 kW	12.2 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.1 kW	12.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	0.0 kW
Annual energy consumption Qhe	5726 kWh	7211 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	108 %
COP	2.61
Heating up time	1:19 h:min
Standby power input	49.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DW17 / ETVH16SU23E6V7

Configure model

Model name	EPRA16DW17 / ETVH16SU23E6V7
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.47 kW
COP	5.00	2.93

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.07
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	31 W
PTO	33 W
PSB	42 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1188 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.71	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	10.7 kW	12.5 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.1 kW	12.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.88	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
PTO	33 W	33 W
PSB	42 W	42 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.4 kW	0.0 kW
Annual energy consumption Qhe	5479 kWh	7236 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	107 %
COP	2.55
Heating up time	1:19 h:min
Standby power input	58.5 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DV37 / ETVX16S23E(6V/9W)7

Configure model

Model name	EPRA16DV37 / ETVX16S23E(6V/9W)7
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
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.41 kW
COP	5.00	3.01

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.08
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1158 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	180 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.57	3.62
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	5.7 kW	6.9 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	6.0 kW	6.2 kW
COP Tj = 12°C	7.40	5.72
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.1 kW	12.2 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.1 kW	12.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	0.0 kW
Annual energy consumption Qhe	5649 kWh	7134 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	108 %
COP	2.61
Heating up time	1:19 h:min
Standby power input	49.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DW17 / ETVX16S23E(6V/9W)7

Configure model

Model name	EPRA16DW17 / ETVX16S23E(6V/9W)7
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	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.47 kW
COP	5.00	2.93

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.07
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	31 W
PTO	33 W
PSB	42 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1188 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	190 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.81	3.63
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	10.7 kW	12.5 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.1 kW	12.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.88	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
PTO	33 W	33 W
PSB	42 W	42 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.4 kW	0.0 kW
Annual energy consumption Qhe	5366 kWh	7122 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	107 %
COP	2.55
Heating up time	1:19 h:min
Standby power input	58.5 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DV37 / ETVZ16S23E(6V/9W)7

Configure model

Model name	EPRA16DV37 / ETVZ16S23E(6V/9W)7
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
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.41 kW
COP	5.00	3.01

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.08
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1158 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	177 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.51	3.58
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	5.7 kW	6.9 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	6.0 kW	6.2 kW
COP Tj = 12°C	7.40	5.72
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.1 kW	12.2 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.1 kW	12.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	0.0 kW
Annual energy consumption Qhe	5726 kWh	7211 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	108 %
COP	2.61
Heating up time	1:19 h:min
Standby power input	49.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DW17 / ETVZ16S23E(6V/9W)7

Configure model	
Model name	EPRA16DW17 / ETVZ16S23E(6V/9W)7
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.47 kW
COP	5.00	2.93

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.07
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	31 W
PTO	33 W
PSB	42 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1188 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186 %	140 %
Prated	12.5 kW	12.5 kW
SCOP	4.71	3.57
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	10.7 kW	12.5 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.1 kW	12.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.88	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
PTO	33 W	33 W
PSB	42 W	42 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.4 kW	0.0 kW
Annual energy consumption Qhe	5479 kWh	7236 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	107 %
COP	2.55
Heating up time	1:19 h:min
Standby power input	58.5 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DV37 / ETVH16S23E(6V/9W)7 + cooling kit

Configure model	
Model name	EPRA16DV37 / ETVH16S23E(6V/9W)7 + cooling kit
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	9.00 kW	7.24 kW
El input	1.80 kW	2.41 kW
COP	5.00	3.01

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.08
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1158 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	180 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.57	3.62
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.1 kW	11.2 kW
COP Tj = -7°C	3.12	2.47
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	6.7 kW	6.9 kW
COP Tj = +2°C	4.44	3.56
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	5.7 kW	6.9 kW
COP Tj = +7°C	5.84	4.44
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	6.0 kW	6.2 kW
COP Tj = 12°C	7.40	5.72
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	11.1 kW	12.2 kW
COP Tj = Tbiv	3.12	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.1 kW	12.2 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.19
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.4 kW	0.0 kW
Annual energy consumption Qhe	5649 kWh	7134 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	108 %
COP	2.61
Heating up time	1:19 h:min
Standby power input	49.2 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l

Model: EPRA16DW17 / ETVH16S23E(6V/9W)7 + cooling kit

Configure model	
Model name	EPRA16DW17 / ETVH16S23E(6V/9W)7 + cooling kit
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	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	7.24 kW
El input	1.80 kW	2.47 kW
COP	5.00	2.93

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	2.93 kW
Cooling capacity	7.88
EER	2.69

EN 14825

This information was generated by the HP KEYMARK database on 29 Jun 2022

	+7°C/+12°C
P _{designc}	7.88 kW
SEER	4.07
P _{dc} T _j = 35°C	7.88 kW
EER T _j = 35°C	2.69
P _{dc} T _j = 30°C	5.92 kW
EER T _j = 30°C	3.69
C _{dc} T _j = 30 °C	1
P _{dc} T _j = 25°C	5.09 kW
EER T _j = 25°C	4.63
C _{dc} T _j = 25 °C	1
P _{dc} T _j = 20°C	5.13 kW
EER T _j = 20°C	5.61
C _{dc} T _j = 20 °C	1
P _{off}	31 W
PTO	33 W
PSB	42 W
PCK	0.0 W
Annual energy consumption Q _{ce}	1188 kWh

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44.0 dB(A)	44.0 dB(A)
Sound power level outdoor	54.0 dB(A)	54.0 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	190 %	142 %
Prated	12.5 kW	12.5 kW
SCOP	4.81	3.63
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.7 kW	11.1 kW
COP Tj = -7°C	2.97	2.43
Cdh Tj = -7 °C	1.0	1.0
Pdh Tj = +2°C	6.9 kW	6.7 kW
COP Tj = +2°C	4.94	3.52
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	6.2 kW	6.5 kW
COP Tj = +7°C	5.95	4.54
Cdh Tj = +7 °C	1.0	1.0

This information was generated by the HP KEYMARK database on 29 Jun 2022

Pdh Tj = 12°C	5.6 kW	5.2 kW
COP Tj = 12°C	7.07	5.97
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	10.7 kW	12.5 kW
COP Tj = Tbiv	2.97	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.1 kW	12.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.88	2.12
WTOL	35 °C	55 °C
Poff	31 W	31 W
PTO	33 W	33 W
PSB	42 W	42 W
PCK	0.000 W	0.000 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.4 kW	0.0 kW
Annual energy consumption Qhe	5366 kWh	7122 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	107 %
COP	2.55
Heating up time	1:19 h:min
Standby power input	58.5 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	298 l