

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

Summary of	DAIKIN ALTHERMA 3 LT SPLIT 16KW (180L)	Reg. No.	011-1W0323
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 LT SPLIT 16KW (180L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	3.5 kg		
Certification Date	06.03.2019		

Model: EPGA16DV / EAVZ16S18D6V

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
COP	4.78	3.06
Indoor water flow rate	2.84 m ³ /h	1.95 m ³ /h

EN 14511-4

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

Average Climate

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	133 %
Prated	14.00 kW	16.00 kW
SCOP	4.56	3.41
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00

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Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 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}	104 %
COP	2.51
Heating up time	0:57 h:min
Standby power input	32.8 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240 l

Model: EPGA16DV / EAVZ16S18D9W

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

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General Data

Power supply	1x230V 50Hz
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Model: EPGA16DV / EAVX16S18D6V(G)

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
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	Low temperature	Medium temperature
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Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
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PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Cooling

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

EN 14511-2

	+7°C/+12°C
El input	4.93 kW
Indoor water flow rate	0.85 m³/h
Cooling capacity	13.48
EER	2.74

EN 14825

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

	+7°C/+12°C
P _{designc}	13.5 kW
SEER	4.95
P _{dc} T _j = 35°C	13.48 kW
EER T _j = 35°C	2.74
P _{dc} T _j = 30°C	9.47 kW
EER T _j = 30°C	4.01
C _{dc}	1
P _{dc} T _j = 25°C	6.18 kW
EER T _j = 25°C	6.12
C _{dc}	1
P _{dc} T _j = 20°C	7.86 kW
EER T _j = 20°C	6.65
C _{dc}	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q _{ce}	1636 kWh

Domestic Hot Water (DHW)

Average Climate

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Declared load profile	L
Efficiency η_{DHW}	104 %
COP	2.51
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Model: EPGA16DV / EAVX16S18D9W(G)

General Data

Power supply	1x230V 50Hz
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PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Cooling

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P _{dc} T _j = 20°C	7.86 kW
EER T _j = 20°C	6.65
C _{dc}	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q _{ce}	1636 kWh

Domestic Hot Water (DHW)

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EN 14511-4

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

Average Climate

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	133 %
Prated	14.00 kW	16.00 kW
SCOP	4.56	3.41
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00

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

Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 kWh

Model: EPGA16DV / EABH16D9W

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
COP	4.78	3.06
Indoor water flow rate	2.84 m ³ /h	1.95 m ³ /h

EN 14511-4

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	133 %
Prated	14.00 kW	16.00 kW
SCOP	4.56	3.41
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00

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

Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6345 kWh	9706 kWh

Model: EPGA16DV / EABH16D6V + cooling kit

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
COP	4.78	3.06
Indoor water flow rate	2.84 m ³ /h	1.95 m ³ /h

EN 14511-4

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

Average Climate

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00

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

Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Cooling

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

EN 14511-2

	+7°C/+12°C
El input	4.93 kW
Indoor water flow rate	0.85 m³/h
Cooling capacity	13.48
EER	2.74

EN 14825

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

	+7°C/+12°C
P _{designc}	13.5 kW
SEER	4.95
P _{dc} T _j = 35°C	13.48 kW
EER T _j = 35°C	2.74
P _{dc} T _j = 30°C	9.47 kW
EER T _j = 30°C	4.01
C _{dc}	1
P _{dc} T _j = 25°C	6.18 kW
EER T _j = 25°C	6.12
C _{dc}	1
P _{dc} T _j = 20°C	7.86 kW
EER T _j = 20°C	6.65
C _{dc}	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q _{ce}	1636 kWh

Model: EPGA16DV / EABH16D9W + cooling kit

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
COP	4.78	3.06
Indoor water flow rate	2.84 m ³ /h	1.95 m ³ /h

EN 14511-4

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

Average Climate

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00

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

Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Cooling

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

EN 14511-2

	+7°C/+12°C
El input	4.93 kW
Indoor water flow rate	0.85 m³/h
Cooling capacity	13.48
EER	2.74

EN 14825

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

	+7°C/+12°C
P _{designc}	13.5 kW
SEER	4.95
P _{dc} T _j = 35°C	13.48 kW
EER T _j = 35°C	2.74
P _{dc} T _j = 30°C	9.47 kW
EER T _j = 30°C	4.01
C _{dc}	1
P _{dc} T _j = 25°C	6.18 kW
EER T _j = 25°C	6.12
C _{dc}	1
P _{dc} T _j = 20°C	7.86 kW
EER T _j = 20°C	6.65
C _{dc}	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q _{ce}	1636 kWh

Model: EPGA16DV / EAVH16S18D6V(G) + cooling kit

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
COP	4.78	3.06
Indoor water flow rate	2.84 m ³ /h	1.95 m ³ /h

EN 14511-4

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

Average Climate

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00

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

Pdh Tj = 12°C	5.30 kW	5.20 kW
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Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Cooling

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

EN 14511-2

	+7°C/+12°C
El input	4.93 kW
Indoor water flow rate	0.85 m³/h
Cooling capacity	13.48
EER	2.74

EN 14825

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

	+7°C/+12°C
P _{designc}	13.5 kW
SEER	4.95
P _{dc} T _j = 35°C	13.48 kW
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P _{dc} T _j = 30°C	9.47 kW
EER T _j = 30°C	4.01
C _{dc}	1
P _{dc} T _j = 25°C	6.18 kW
EER T _j = 25°C	6.12
C _{dc}	1
P _{dc} T _j = 20°C	7.86 kW
EER T _j = 20°C	6.65
C _{dc}	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q _{ce}	1636 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}	104 %
COP	2.51
Heating up time	0:57 h:min
Standby power input	32.8 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240 l

Model: EPGA16DV / EAVH16S18D9W(G) + cooling kit

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.50 kW	15.84 kW
El input	3.45 kW	5.17 kW
COP	4.78	3.06
Indoor water flow rate	2.84 m ³ /h	1.95 m ³ /h

EN 14511-4

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

Average Climate

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	182 %	134 %
Prated	14.00 kW	16.00 kW
SCOP	4.61	3.43
Tbiv	-10 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.20 kW	13.10 kW
COP Tj = -7°C	2.99	2.23
Cdh	1.00	1.00
Pdh Tj = +2°C	7.40 kW	8.70 kW
COP Tj = +2°C	4.30	3.26
Cdh	1.00	1.00
Pdh Tj = +7°C	5.00 kW	5.80 kW
COP Tj = +7°C	6.35	4.62
Cdh	0.95	1.00

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

Pdh Tj = 12°C	5.30 kW	5.20 kW
COP Tj = 12°C	8.12	6.47
Cdh	0.94	0.95
Pdh Tj = Tbiv	14.50 kW	12.90 kW
COP Tj = Tbiv	2.72	2.40
Pdh Tj = TOL	14.50 kW	13.20 kW
COP Tj = TOL	2.72	2.05
WTOL	35 °C	55 °C
Poff	21 W	21 W
PTO	41 W	41 W
PSB	21 W	21 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	0.00 kW	2.80 kW
Annual energy consumption Qhe	6267 kWh	9628 kWh

Cooling

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

EN 14511-2

	+7°C/+12°C
El input	4.93 kW
Indoor water flow rate	0.85 m³/h
Cooling capacity	13.48
EER	2.74

EN 14825

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

	+7°C/+12°C
P _{designc}	13.5 kW
SEER	4.95
P _{dc} T _j = 35°C	13.48 kW
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P _{dc} T _j = 30°C	9.47 kW
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EER T _j = 25°C	6.12
C _{dc}	1
P _{dc} T _j = 20°C	7.86 kW
EER T _j = 20°C	6.65
C _{dc}	1
P _{off}	21 W
PTO	41 W
PSB	21 W
PCK	0 W
Annual energy consumption Q _{ce}	1636 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}	104 %
COP	2.51
Heating up time	0:57 h:min
Standby power input	32.8 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	240 l