

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

Summary of	Buderus Logatherm WLW196i-11 AR and IR	Reg. No.	011-1W0130
Certificate Holder			
Name	Bosch Thermotechnik GmbH (Buderus)		
Address	Sophienstraße 30-32	Zip	35576
City	Wetzlar	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	RISE Research Institutes of Sweden AB		
Subtype title	Buderus Logatherm WLW196i-11 AR and IR		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	3.3 kg		
Certification Date	18.07.2017		

Model: Buderus Logatherm WLW196i-11 ARE

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.18 kW	4.62 kW
El input	1.04 kW	1.63 kW
COP	5.00	2.85
Indoor water flow rate	0.25 m ³ /h	0.14 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	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	126 %
Prated	9.97 kW	9.26 kW
SCOP	4.54	3.24
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.52 kW	8.94 kW
COP Tj = -7°C	2.95	2.17
Pdh Tj = +2°C	5.47 kW	6.61 kW
COP Tj = +2°C	4.06	2.97
Pdh Tj = +7°C	3.67 kW	5.07 kW
COP Tj = +7°C	6.77	4.50
Pdh Tj = 12°C	3.10 kW	6.08 kW
COP Tj = 12°C	8.05	5.88
Pdh Tj = Tbiv	9.97 kW	9.26 kW

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

COP Tj = Tbiv	2.59	1.81
Pdh Tj = TOL	9.97 kW	9.26 kW
COP Tj = TOL	2.59	1.81
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	0 W	0 W
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	4534 kWh	5911 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature

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

η_s	151 %	113 %
Prated	9.49 kW	8.87 kW
SCOP	3.86	2.91
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.97 kW	5.61 kW
COP Tj = -7°C	3.62	2.70
Pdh Tj = +2°C	7.24 kW	6.85 kW
COP Tj = +2°C	4.14	3.24
Pdh Tj = +7°C	5.47 kW	5.19 kW
COP Tj = +7°C	6.38	4.87
Pdh Tj = 12°C	3.06 kW	6.14 kW
COP Tj = 12°C	7.69	6.16
Pdh Tj = Tbiv	8.24 kW	7.70 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL	7.47 kW	6.32 kW
COP Tj = TOL	2.16	1.69
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	0 W	0 W
PSB	23 W	23 W

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

PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Q _{he}	6064 kWh	7508 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	251 %	167 %
Prated	11.79 kW	11.43 kW
SCOP	6.35	4.25
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2°C	11.79 kW	11.43 kW
COP T _j = +2°C	3.04	2.17
P _{dh} T _j = +7°C	7.61 kW	7.90 kW

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

COP Tj = +7°C	5.39	3.62
Pdh Tj = 12°C	3.12 kW	6.00 kW
COP Tj = 12°C	8.34	5.59
Pdh Tj = Tbiv	11.79 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL	11.79 kW	11.43 kW
COP Tj = TOL	3.04	2.17
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	0 W	0 W
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	2480 kWh	3589 kWh

Model: Buderus Logatherm WLW196i-11 ARB

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.18 kW	4.62 kW
El input	1.04 kW	1.63 kW
COP	5.00	2.85
Indoor water flow rate	0.25 m ³ /h	0.14 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	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	126 %
Prated	9.97 kW	9.26 kW
SCOP	4.54	3.24
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.52 kW	8.94 kW
COP Tj = -7°C	2.95	2.17
Pdh Tj = +2°C	5.47 kW	6.61 kW
COP Tj = +2°C	4.06	2.97
Pdh Tj = +7°C	3.67 kW	5.07 kW
COP Tj = +7°C	6.77	4.50
Pdh Tj = 12°C	3.10 kW	6.08 kW
COP Tj = 12°C	8.05	5.88
Pdh Tj = Tbiv	9.97 kW	9.26 kW

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

COP Tj = Tbiv	2.59	1.81
Pdh Tj = TOL	9.97 kW	9.26 kW
COP Tj = TOL	2.59	1.81
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	0 W	0 W
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	4534 kWh	5911 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature

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

η_s	151 %	113 %
Prated	9.49 kW	8.87 kW
SCOP	3.86	2.91
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.97 kW	5.61 kW
COP Tj = -7°C	3.62	2.70
Pdh Tj = +2°C	7.24 kW	6.85 kW
COP Tj = +2°C	4.14	3.24
Pdh Tj = +7°C	5.47 kW	5.19 kW
COP Tj = +7°C	6.38	4.87
Pdh Tj = 12°C	3.06 kW	6.14 kW
COP Tj = 12°C	7.69	6.16
Pdh Tj = Tbiv	8.24 kW	7.70 kW
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Pdh Tj = TOL	7.47 kW	6.32 kW
COP Tj = TOL	2.16	1.69
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	0 W	0 W
PSB	23 W	23 W

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

PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Q _{he}	6064 kWh	7508 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	251 %	167 %
Prated	11.79 kW	11.43 kW
SCOP	6.35	4.25
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2°C	11.79 kW	11.43 kW
COP T _j = +2°C	3.04	2.17
P _{dh} T _j = +7°C	7.61 kW	7.90 kW

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

COP Tj = +7°C	5.39	3.62
Pdh Tj = 12°C	3.12 kW	6.00 kW
COP Tj = 12°C	8.34	5.59
Pdh Tj = Tbiv	11.79 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL	11.79 kW	11.43 kW
COP Tj = TOL	3.04	2.17
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	0 W	0 W
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	2480 kWh	3589 kWh

Model: Buderus Logatherm WLW196i-11 ART

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.18 kW	4.62 kW
El input	1.04 kW	1.63 kW
COP	5.00	2.85
Indoor water flow rate	0.25 m ³ /h	0.14 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	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	126 %
Prated	9.97 kW	9.26 kW
SCOP	4.54	3.24
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.52 kW	8.94 kW
COP Tj = -7°C	2.95	2.17
Pdh Tj = +2°C	5.47 kW	6.61 kW
COP Tj = +2°C	4.06	2.97
Pdh Tj = +7°C	3.67 kW	5.07 kW
COP Tj = +7°C	6.77	4.50
Pdh Tj = 12°C	3.10 kW	6.08 kW
COP Tj = 12°C	8.05	5.88
Pdh Tj = Tbiv	9.97 kW	9.26 kW

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

COP Tj = Tbiv	2.59	1.81
Pdh Tj = TOL	9.97 kW	9.26 kW
COP Tj = TOL	2.59	1.81
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	0 W	0 W
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	4534 kWh	5911 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature

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

η_s	151 %	113 %
Prated	9.49 kW	8.87 kW
SCOP	3.86	2.91
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.97 kW	5.61 kW
COP Tj = -7°C	3.62	2.70
Pdh Tj = +2°C	7.24 kW	6.85 kW
COP Tj = +2°C	4.14	3.24
Pdh Tj = +7°C	5.47 kW	5.19 kW
COP Tj = +7°C	6.38	4.87
Pdh Tj = 12°C	3.06 kW	6.14 kW
COP Tj = 12°C	7.69	6.16
Pdh Tj = Tbiv	8.24 kW	7.70 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL	7.47 kW	6.32 kW
COP Tj = TOL	2.16	1.69
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	0 W	0 W
PSB	23 W	23 W

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

PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Q _{he}	6064 kWh	7508 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	251 %	167 %
Prated	11.79 kW	11.43 kW
SCOP	6.35	4.25
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2°C	11.79 kW	11.43 kW
COP T _j = +2°C	3.04	2.17
P _{dh} T _j = +7°C	7.61 kW	7.90 kW

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

COP Tj = +7°C	5.39	3.62
Pdh Tj = 12°C	3.12 kW	6.00 kW
COP Tj = 12°C	8.34	5.59
Pdh Tj = Tbiv	11.79 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL	11.79 kW	11.43 kW
COP Tj = TOL	3.04	2.17
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	0 W	0 W
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	2480 kWh	3589 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}	92 %
COP	2.15
Heating up time	02:12 h:min
Standby power input	68.0 W
Reference hot water temperature	53.2 °C
Mixed water at 40°C	265 l

Colder Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	76 %
COP	1.77
Heating up time	02:34 h:min
Standby power input	83.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	269 l

Warmer Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	111 %
COP	2.55
Heating up time	01:49 h:min
Standby power input	66.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	266 l

Model: Buderus Logatherm WLW196i-11 ARTS

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.18 kW	4.62 kW
El input	1.04 kW	1.63 kW
COP	5.00	2.85
Indoor water flow rate	0.25 m ³ /h	0.14 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	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	126 %
Prated	9.97 kW	9.26 kW
SCOP	4.54	3.24
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.52 kW	8.94 kW
COP Tj = -7°C	2.95	2.17
Pdh Tj = +2°C	5.47 kW	6.61 kW
COP Tj = +2°C	4.06	2.97
Pdh Tj = +7°C	3.67 kW	5.07 kW
COP Tj = +7°C	6.77	4.50
Pdh Tj = 12°C	3.10 kW	6.08 kW
COP Tj = 12°C	8.05	5.88
Pdh Tj = Tbiv	9.97 kW	9.26 kW

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

COP Tj = Tbiv	2.59	1.81
Pdh Tj = TOL	9.97 kW	9.26 kW
COP Tj = TOL	2.59	1.81
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	0 W	0 W
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	4534 kWh	5911 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature

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

η_s	151 %	113 %
Prated	9.49 kW	8.87 kW
SCOP	3.86	2.91
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.97 kW	5.61 kW
COP Tj = -7°C	3.62	2.70
Pdh Tj = +2°C	7.24 kW	6.85 kW
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Pdh Tj = 12°C	3.06 kW	6.14 kW
COP Tj = 12°C	7.69	6.16
Pdh Tj = Tbiv	8.24 kW	7.70 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL	7.47 kW	6.32 kW
COP Tj = TOL	2.16	1.69
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	0 W	0 W
PSB	23 W	23 W

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

PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Q _{he}	6064 kWh	7508 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	251 %	167 %
Prated	11.79 kW	11.43 kW
SCOP	6.35	4.25
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2°C	11.79 kW	11.43 kW
COP T _j = +2°C	3.04	2.17
P _{dh} T _j = +7°C	7.61 kW	7.90 kW

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

COP Tj = +7°C	5.39	3.62
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COP Tj = 12°C	8.34	5.59
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COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL	11.79 kW	11.43 kW
COP Tj = TOL	3.04	2.17
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	0 W	0 W
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	2480 kWh	3589 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}	91 %
COP	2.11
Heating up time	02:15 h:min
Standby power input	70.9 W
Reference hot water temperature	52.2 °C
Mixed water at 40°C	255 l

Colder Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	75 %
COP	1.73
Heating up time	02:37 h:min
Standby power input	94.3 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	257 l

Warmer Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	102 %
COP	2.35
Heating up time	01:51 h:min
Standby power input	68.9 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	252 l

Model: Buderus Logatherm WLW196i-11 IRE

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.11 kW	4.45 kW
El input	1.04 kW	1.62 kW
COP	4.90	2.75
Indoor water flow rate	0.89 m ³ /h	0.49 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	50 dB(A)	50 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	202 %	143 %
Prated	10.00 kW	9.00 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.20 kW	8.50 kW
COP Tj = -7°C	3.02	2.15
Pdh Tj = +2°C	6.00 kW	4.70 kW
COP Tj = +2°C	4.90	3.51
Pdh Tj = +7°C	3.60 kW	5.30 kW
COP Tj = +7°C	6.74	4.99
Pdh Tj = 12°C	3.20 kW	6.40 kW
COP Tj = 12°C	9.23	7.38
Pdh Tj = Tbiv	10.10 kW	9.30 kW
COP Tj = Tbiv	2.56	1.77

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

Pdh Tj = TOL	7.20 kW	6.30 kW
COP Tj = TOL	1.61	1.61
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W
PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4393 kWh	5499 kWh

Model: Buderus Logatherm WLW196i-11 IRB

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.11 kW	4.45 kW
El input	1.04 kW	1.62 kW
COP	4.90	2.75
Indoor water flow rate	0.89 m ³ /h	0.49 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	50 dB(A)	50 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	202 %	143 %
Prated	10.00 kW	9.00 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.20 kW	8.50 kW
COP Tj = -7°C	3.02	2.15
Pdh Tj = +2°C	6.00 kW	4.70 kW
COP Tj = +2°C	4.90	3.51
Pdh Tj = +7°C	3.60 kW	5.30 kW
COP Tj = +7°C	6.74	4.99
Pdh Tj = 12°C	3.20 kW	6.40 kW
COP Tj = 12°C	9.23	7.38
Pdh Tj = Tbiv	10.10 kW	9.30 kW
COP Tj = Tbiv	2.56	1.77

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

Pdh Tj = TOL	7.20 kW	6.30 kW
COP Tj = TOL	1.61	1.61
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W
PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4393 kWh	5499 kWh

Model: Buderus Logatherm WLW196i-11 IRT

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.11 kW	4.45 kW
El input	1.04 kW	1.62 kW
COP	4.90	2.75
Indoor water flow rate	0.89 m ³ /h	0.49 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	50 dB(A)	50 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	202 %	143 %
Prated	10.00 kW	9.00 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.20 kW	8.50 kW
COP Tj = -7°C	3.02	2.15
Pdh Tj = +2°C	6.00 kW	4.70 kW
COP Tj = +2°C	4.90	3.51
Pdh Tj = +7°C	3.60 kW	5.30 kW
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WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W
PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4393 kWh	5499 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}	89 %
COP	2.19
Heating up time	02:18 h:min
Standby power input	67.0 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	310 l

Model: Buderus Logatherm WLW196i-11 IRTS

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.11 kW	4.45 kW
El input	1.04 kW	1.62 kW
COP	4.90	2.75
Indoor water flow rate	0.89 m ³ /h	0.49 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	50 dB(A)	50 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	202 %	143 %
Prated	10.00 kW	9.00 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.20 kW	8.50 kW
COP Tj = -7°C	3.02	2.15
Pdh Tj = +2°C	6.00 kW	4.70 kW
COP Tj = +2°C	4.90	3.51
Pdh Tj = +7°C	3.60 kW	5.30 kW
COP Tj = +7°C	6.74	4.99
Pdh Tj = 12°C	3.20 kW	6.40 kW
COP Tj = 12°C	9.23	7.38
Pdh Tj = Tbiv	10.10 kW	9.30 kW
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This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = TOL	7.20 kW	6.30 kW
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WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W
PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4393 kWh	5499 kWh

Domestic Hot Water (DHW)

Average Climate

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

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Declared load profile	L
Efficiency η_{DHW}	89 %
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