

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

Summary of	Bosch Compress 7000iAW 13 OR and IR, Compress 6000 AW-13/s, Bosch CS7001iAW 13		Reg. No.	011-1W0125
Certificate Holder				
Name	Bosch Thermotechnik GmbH			
Address	Junkersstraße 20 - 24		Zip	73249
City	Wernau		Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH			
Name of testing laboratory	Danish Technological Institute			
Subtype title	Bosch Compress 7000iAW 13 OR and IR, Compress 6000 AW-13/s, Bosch CS7001iAW 13			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410a			
Mass Of Refrigerant	3.3 kg			
Certification Date	18.07.2017			

Model: Bosch CS7000iAW 13 IRMS

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	56 dB(A)	56 dB(A)
Sound power level outdoor	37 dB(A)	37 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	-10 °C	-10 °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

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

COP Tj = Tbiv	2.56	1.77
Pdh Tj = TOL	10.10 kW	9.30 kW
COP Tj = TOL	2.56	1.77
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

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: Bosch CS7000iAW 13 IRM

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	56 dB(A)	56 dB(A)
Sound power level outdoor	37 dB(A)	37 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	-10 °C	-10 °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

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

COP Tj = Tbiv	2.56	1.77
Pdh Tj = TOL	10.10 kW	9.30 kW
COP Tj = TOL	2.56	1.77
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

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: Bosch CS7000iAW 13 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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	56 dB(A)	56 dB(A)
Sound power level outdoor	37 dB(A)	37 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	-10 °C	-10 °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

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

COP $T_j = T_{biv}$	2.56	1.77
P _{dh} $T_j = TOL$	10.10 kW	9.30 kW
COP $T_j = TOL$	2.56	1.77
C _{dh}	1.00	1.00
WTOL	60 °C	60 °C
P _{off}	35 W	35 W
P _{TO}	21 W	21 W
P _{SB}	35 W	35 W
P _{CK}	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: P _{SUP}	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	4393 kWh	5499 kWh

Model: Bosch CS7000iAW 13 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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	56 dB(A)	56 dB(A)
Sound power level outdoor	37 dB(A)	37 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	-10 °C	-10 °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

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

COP $T_j = T_{biv}$	2.56	1.77
P _{dh} $T_j = TOL$	10.10 kW	9.30 kW
COP $T_j = TOL$	2.56	1.77
C _{dh}	1.00	1.00
WTOL	60 °C	60 °C
P _{off}	35 W	35 W
P _{TO}	21 W	21 W
P _{SB}	35 W	35 W
P _{CK}	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: P _{SUP}	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	4393 kWh	5499 kWh

Model: Bosch CS7000iAW 13 ORMS

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 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	-10 °C	-10 °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

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

COP Tj = Tbiv	2.56	1.77
Pdh Tj = TOL	10.10 kW	9.30 kW
COP Tj = TOL	2.56	1.77
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

Warmer Climate

Colder Climate

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	89 %
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
COP	2.19

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	101 %
COP	2.53
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

Colder Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	79 %
COP	1.98
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: Bosch CS7000iAW 13 ORM

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 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	-10 °C	-10 °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

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

COP Tj = Tbiv	2.56	1.77
Pdh Tj = TOL	10.10 kW	9.30 kW
COP Tj = TOL	2.56	1.77
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

Warmer Climate

Colder Climate

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	89 %
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
COP	2.19

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	101 %
COP	2.53
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

Colder Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	79 %
COP	1.98
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: Bosch CS7000iAW 13 ORB

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 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	-10 °C	-10 °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

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

COP $T_j = T_{biv}$	2.56	1.77
P _{dh} $T_j = TOL$	10.10 kW	9.30 kW
COP $T_j = TOL$	2.56	1.77
C _{dh}	1.00	1.00
WTOL	60 °C	60 °C
P _{off}	35 W	35 W
P _{TO}	21 W	21 W
P _{SB}	35 W	35 W
P _{CK}	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: P _{SUP}	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	4393 kWh	5499 kWh

Model: Bosch CS7000iAW 13 ORE

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 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	-10 °C	-10 °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

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

COP Tj = Tbiv	2.56	1.77
Pdh Tj = TOL	10.10 kW	9.30 kW
COP Tj = TOL	2.56	1.77
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: Bosch Compress 6000 AW-13 AWB

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

EN 14825

	Low temperature	Medium temperature

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

η_s	202 %	143 %
Prated	10.00 kW	9.00 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °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
Pdh Tj = TOL	10.10 kW	9.30 kW
COP Tj = TOL	2.56	1.77
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W

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

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 Q _{he}	4393 kWh	5499 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

Model: Bosch Compress 6000 AW-13 AWM

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

EN 14825

	Low temperature	Medium temperature

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

η_s	202 %	143 %
Prated	10.00 kW	9.00 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °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
Pdh Tj = TOL	10.10 kW	9.30 kW
COP Tj = TOL	2.56	1.77
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W

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

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 Q _{he}	4393 kWh	5499 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

Domestic Hot Water (DHW)

Average Climate

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: Bosch Compress 6000 AW-13 AWE

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

EN 14825

	Low temperature	Medium temperature

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

η_s	202 %	143 %
Prated	10.00 kW	9.00 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °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
Pdh Tj = TOL	10.10 kW	9.30 kW
COP Tj = TOL	2.56	1.77
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W

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

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 Q _{he}	4393 kWh	5499 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

Model: Bosch Compress 6000 AW-13 AWMS

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

EN 14825

	Low temperature	Medium temperature

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

η_s	202 %	143 %
Prated	10.00 kW	9.00 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °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
Pdh Tj = TOL	10.10 kW	9.30 kW
COP Tj = TOL	2.56	1.77
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W

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

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 Q _{he}	4393 kWh	5499 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

Domestic Hot Water (DHW)

Average Climate

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: Bosch Compress 6000 AW-13s AWB

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

EN 14825

	Low temperature	Medium temperature

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

η_s	202 %	143 %
Prated	10.00 kW	9.00 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °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
Pdh Tj = TOL	10.10 kW	9.30 kW
COP Tj = TOL	2.56	1.77
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W

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

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 Q _{he}	4393 kWh	5499 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

Model: Bosch Compress 6000 AW-13s AWM

General Data

Power supply	1x230V 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

EN 14825

	Low temperature	Medium temperature

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

η_s	202 %	143 %
Prated	10.00 kW	9.00 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °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
Pdh Tj = TOL	10.10 kW	9.30 kW
COP Tj = TOL	2.56	1.77
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W

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

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 Q _{he}	4393 kWh	5499 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

Domestic Hot Water (DHW)

Average Climate

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: Bosch Compress 6000 AW-13s AWMS

General Data

Power supply	1x230V 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

EN 14825

	Low temperature	Medium temperature

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

η_s	202 %	143 %
Prated	10.00 kW	9.00 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °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
Pdh Tj = TOL	10.10 kW	9.30 kW
COP Tj = TOL	2.56	1.77
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W

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

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 Q _{he}	4393 kWh	5499 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

Domestic Hot Water (DHW)

Average Climate

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: Bosch Compress 6000 AW-13s AWE

General Data

Power supply	1x230V 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

EN 14825

	Low temperature	Medium temperature

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

η_s	202 %	143 %
Prated	10.00 kW	9.00 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °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
Pdh Tj = TOL	10.10 kW	9.30 kW
COP Tj = TOL	2.56	1.77
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W

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

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 Q _{he}	4393 kWh	5499 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

Model: Bosch CS7001iAW 13 ORMS-T

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

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

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

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

η_s	251 %	167 %
Prated	11.79 kW	11.43 kW
SCOP	6.35	4.25
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.79 kW	11.43 kW
COP Tj = +2°C	3.04	2.17
Pdh Tj = +7°C	7.61 kW	7.90 kW
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

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

Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Q _{he}	2480 kWh	3589 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
η_s	151 %	113 %
Prated	9.49 kW	8.87 kW
SCOP	3.86	2.91
T _{biv}	-17 °C	-17 °C
TOL	-20 °C	-20 °C
P _{dh} T _j = -7°C	5.97 kW	5.61 kW
COP T _j = -7°C	3.62	2.70
P _{dh} T _j = +2°C	7.24 kW	6.85 kW
COP T _j = +2°C	4.14	3.24
P _{dh} T _j = +7°C	5.47 kW	5.19 kW

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

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
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 Qhe	6064 kWh	7508 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	91 %
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
COP	2.11

Warmer Climate

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

Colder Climate

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

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

Model: Bosch CS7001iAW 13 ORM-T

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

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

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

η_s	251 %	167 %
Prated	11.79 kW	11.43 kW
SCOP	6.35	4.25
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.79 kW	11.43 kW
COP Tj = +2°C	3.04	2.17
Pdh Tj = +7°C	7.61 kW	7.90 kW
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

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

Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Q _{he}	2480 kWh	3589 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
η_s	151 %	113 %
Prated	9.49 kW	8.87 kW
SCOP	3.86	2.91
T _{biv}	-17 °C	-17 °C
TOL	-20 °C	-20 °C
P _{dh} T _j = -7°C	5.97 kW	5.61 kW
COP T _j = -7°C	3.62	2.70
P _{dh} T _j = +2°C	7.24 kW	6.85 kW
COP T _j = +2°C	4.14	3.24
P _{dh} T _j = +7°C	5.47 kW	5.19 kW

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

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
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 Qhe	6064 kWh	7508 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	92 %
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
COP	2.15

Warmer Climate

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

Colder Climate

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

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

Model: Bosch CS7001iAW 13 ORB-T

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

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

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

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

η_s	251 %	167 %
Prated	11.79 kW	11.43 kW
SCOP	6.35	4.25
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.79 kW	11.43 kW
COP Tj = +2°C	3.04	2.17
Pdh Tj = +7°C	7.61 kW	7.90 kW
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

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

Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Q _{he}	2480 kWh	3589 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
η_s	151 %	113 %
Prated	9.49 kW	8.87 kW
SCOP	3.86	2.91
T _{biv}	-17 °C	-17 °C
TOL	-20 °C	-20 °C
P _{dh} T _j = -7°C	5.97 kW	5.61 kW
COP T _j = -7°C	3.62	2.70
P _{dh} T _j = +2°C	7.24 kW	6.85 kW
COP T _j = +2°C	4.14	3.24
P _{dh} T _j = +7°C	5.47 kW	5.19 kW

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

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
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 Qhe	6064 kWh	7508 kWh

Model: Bosch CS7001iAW 13 ORE-T

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

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

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

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

η_s	251 %	167 %
Prated	11.79 kW	11.43 kW
SCOP	6.35	4.25
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.79 kW	11.43 kW
COP Tj = +2°C	3.04	2.17
Pdh Tj = +7°C	7.61 kW	7.90 kW
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

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

Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Q _{he}	2480 kWh	3589 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
η_s	151 %	113 %
Prated	9.49 kW	8.87 kW
SCOP	3.86	2.91
T _{biv}	-17 °C	-17 °C
TOL	-20 °C	-20 °C
P _{dh} T _j = -7°C	5.97 kW	5.61 kW
COP T _j = -7°C	3.62	2.70
P _{dh} T _j = +2°C	7.24 kW	6.85 kW
COP T _j = +2°C	4.14	3.24
P _{dh} T _j = +7°C	5.47 kW	5.19 kW

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

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
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 Qhe	6064 kWh	7508 kWh

Model: Bosch CS7001iAW 13 ORMS-S

General Data

Power supply	3x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	6.86 kW	4.60 kW
El input	1.47 kW	1.79 kW
COP	4.68	2.56
Indoor water flow rate	0.33 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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186 %	139 %
Prated	10.40 kW	8.60 kW
SCOP	4.73	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.07 kW	7.72 kW
COP Tj = -7°C	2.88	2.28
Pdh Tj = +2°C	5.93 kW	4.45 kW
COP Tj = +2°C	4.65	3.53
Pdh Tj = +7°C	3.75 kW	5.21 kW
COP Tj = +7°C	6.29	4.41
Pdh Tj = 12°C	3.11 kW	6.23 kW
COP Tj = 12°C	7.25	5.75
Pdh Tj = Tbiv	10.45 kW	8.59 kW

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

COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL	10.45 kW	8.59 kW
COP Tj = TOL	2.51	1.89
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	4540 kWh	5011 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature

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

η_s	229 %	167 %
Prated	12.10 kW	10.00 kW
SCOP	5.79	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.20 kW	10.02 kW
COP Tj = +2°C	2.73	2.18
Pdh Tj = +7°C	7.77 kW	6.46 kW
COP Tj = +7°C	4.99	3.73
Pdh Tj = 12°C	3.46 kW	6.17 kW
COP Tj = 12°C	7.51	5.41
Pdh Tj = Tbiv	12.20 kW	10.02 kW
COP Tj = Tbiv	2.73	2.18
Pdh Tj = TOL	12.20 kW	10.02 kW
COP Tj = TOL	2.73	2.18
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

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

Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Q _{he}	2791 kWh	3152 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
T _{biv}	-17 °C	-15 °C
TOL	-20 °C	-17 °C
P _{dh} T _j = -7°C	6.24 kW	6.49 kW
COP T _j = -7°C	3.56	2.65
P _{dh} T _j = +2°C	3.66 kW	4.49 kW
COP T _j = +2°C	5.14	3.88
P _{dh} T _j = +7°C	2.82 kW	5.35 kW

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

COP Tj = +7°C	6.30	4.87
Pdh Tj = 12°C	3.06 kW	6.32 kW
COP Tj = 12°C	6.86	6.09
Pdh Tj = Tbiv	8.60 kW	8.70 kW
COP Tj = Tbiv	2.24	1.83
Pdh Tj = TOL	7.80 kW	8.09 kW
COP Tj = TOL	2.08	1.69
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	9.80 kW	10.60 kW
Annual energy consumption Qhe	5764 kWh	8407 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	89 %
Heating up time	02:21 h:min
Standby power input	62.6 W
Reference hot water temperature	51.9 °C
Mixed water at 40°C	256 l
COP	2.09

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	100 %
COP	2.32
Heating up time	01:48 h:min
Standby power input	57.4 W
Reference hot water temperature	51.6 °C
Mixed water at 40°C	253 l

Colder Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	80 %
COP	1.87
Heating up time	02:43 h:min
Standby power input	84.1 W
Reference hot water temperature	52.3 °C
Mixed water at 40°C	258 l

Model: Bosch CS7001iAW 13 ORM-S

General Data

Power supply	3x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	6.86 kW	4.60 kW
El input	1.47 kW	1.79 kW
COP	4.68	2.56
Indoor water flow rate	0.33 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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186 %	139 %
Prated	10.40 kW	8.60 kW
SCOP	4.73	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.07 kW	7.72 kW
COP Tj = -7°C	2.88	2.28
Pdh Tj = +2°C	5.93 kW	4.45 kW
COP Tj = +2°C	4.65	3.53
Pdh Tj = +7°C	3.75 kW	5.21 kW
COP Tj = +7°C	6.29	4.41
Pdh Tj = 12°C	3.11 kW	6.23 kW
COP Tj = 12°C	7.25	5.75
Pdh Tj = Tbiv	10.45 kW	8.59 kW

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

COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL	10.45 kW	8.59 kW
COP Tj = TOL	2.51	1.89
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	4540 kWh	5011 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature

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

η_s	229 %	167 %
Prated	12.10 kW	10.00 kW
SCOP	5.79	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.20 kW	10.02 kW
COP Tj = +2°C	2.73	2.18
Pdh Tj = +7°C	7.77 kW	6.46 kW
COP Tj = +7°C	4.99	3.73
Pdh Tj = 12°C	3.46 kW	6.17 kW
COP Tj = 12°C	7.51	5.41
Pdh Tj = Tbiv	12.20 kW	10.02 kW
COP Tj = Tbiv	2.73	2.18
Pdh Tj = TOL	12.20 kW	10.02 kW
COP Tj = TOL	2.73	2.18
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

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

Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Q _{he}	2791 kWh	3152 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
T _{biv}	-17 °C	-15 °C
TOL	-20 °C	-17 °C
P _{dh} T _j = -7°C	6.24 kW	6.49 kW
COP T _j = -7°C	3.56	2.65
P _{dh} T _j = +2°C	3.66 kW	4.49 kW
COP T _j = +2°C	5.14	3.88
P _{dh} T _j = +7°C	2.82 kW	5.35 kW

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

COP Tj = +7°C	6.30	4.87
Pdh Tj = 12°C	3.06 kW	6.32 kW
COP Tj = 12°C	6.86	6.09
Pdh Tj = Tbiv	8.60 kW	8.70 kW
COP Tj = Tbiv	2.24	1.83
Pdh Tj = TOL	7.80 kW	8.09 kW
COP Tj = TOL	2.08	1.69
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	9.80 kW	10.60 kW
Annual energy consumption Qhe	5764 kWh	8407 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	91 %
Heating up time	02:18 h:min
Standby power input	60.0 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	266 l
COP	2.13

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	108 %
COP	2.52
Heating up time	01:46 h:min
Standby power input	55.0 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	267 l

Colder Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	82 %
COP	1.91
Heating up time	02:41 h:min
Standby power input	74.0 W
Reference hot water temperature	53.5 °C
Mixed water at 40°C	270 l

Model: Bosch CS7001iAW 13 ORB-S

General Data

Power supply	3x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	6.86 kW	4.60 kW
El input	1.47 kW	1.79 kW
COP	4.68	2.56
Indoor water flow rate	0.33 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	55 dB(A)	55 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186 %	139 %
Prated	10.40 kW	8.60 kW
SCOP	4.73	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.07 kW	7.72 kW
COP Tj = -7°C	2.88	2.28
Pdh Tj = +2°C	5.93 kW	4.45 kW
COP Tj = +2°C	4.65	3.53
Pdh Tj = +7°C	3.75 kW	5.21 kW
COP Tj = +7°C	6.29	4.41
Pdh Tj = 12°C	3.11 kW	6.23 kW
COP Tj = 12°C	7.25	5.75
Pdh Tj = Tbiv	10.45 kW	8.59 kW

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

COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL	10.45 kW	8.59 kW
COP Tj = TOL	2.51	1.89
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	4540 kWh	5011 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature

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

η_s	229 %	167 %
Prated	12.10 kW	10.00 kW
SCOP	5.79	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.20 kW	10.02 kW
COP Tj = +2°C	2.73	2.18
Pdh Tj = +7°C	7.77 kW	6.46 kW
COP Tj = +7°C	4.99	3.73
Pdh Tj = 12°C	3.46 kW	6.17 kW
COP Tj = 12°C	7.51	5.41
Pdh Tj = Tbiv	12.20 kW	10.02 kW
COP Tj = Tbiv	2.73	2.18
Pdh Tj = TOL	12.20 kW	10.02 kW
COP Tj = TOL	2.73	2.18
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

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

Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Q _{he}	2791 kWh	3152 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
T _{biv}	-17 °C	-15 °C
TOL	-20 °C	-17 °C
P _{dh} T _j = -7°C	6.24 kW	6.49 kW
COP T _j = -7°C	3.56	2.65
P _{dh} T _j = +2°C	3.66 kW	4.49 kW
COP T _j = +2°C	5.14	3.88
P _{dh} T _j = +7°C	2.82 kW	5.35 kW

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

COP Tj = +7°C	6.30	4.87
Pdh Tj = 12°C	3.06 kW	6.32 kW
COP Tj = 12°C	6.86	6.09
Pdh Tj = Tbiv	8.60 kW	8.70 kW
COP Tj = Tbiv	2.24	1.83
Pdh Tj = TOL	7.80 kW	8.09 kW
COP Tj = TOL	2.08	1.69
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	9.80 kW	10.60 kW
Annual energy consumption Qhe	5764 kWh	8407 kWh

Model: Bosch CS7001iAW 13 ORE-S

General Data

Power supply	3x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	6.86 kW	4.60 kW
El input	1.47 kW	1.79 kW
COP	4.68	2.56
Indoor water flow rate	0.33 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	55 dB(A)	55 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186 %	139 %
Prated	10.40 kW	8.60 kW
SCOP	4.73	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.07 kW	7.72 kW
COP Tj = -7°C	2.88	2.28
Pdh Tj = +2°C	5.93 kW	4.45 kW
COP Tj = +2°C	4.65	3.53
Pdh Tj = +7°C	3.75 kW	5.21 kW
COP Tj = +7°C	6.29	4.41
Pdh Tj = 12°C	3.11 kW	6.23 kW
COP Tj = 12°C	7.25	5.75
Pdh Tj = Tbiv	10.45 kW	8.59 kW

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

COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL	10.45 kW	8.59 kW
COP Tj = TOL	2.51	1.89
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	4540 kWh	5011 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature

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

η_s	229 %	167 %
Prated	12.10 kW	10.00 kW
SCOP	5.79	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.20 kW	10.02 kW
COP Tj = +2°C	2.73	2.18
Pdh Tj = +7°C	7.77 kW	6.46 kW
COP Tj = +7°C	4.99	3.73
Pdh Tj = 12°C	3.46 kW	6.17 kW
COP Tj = 12°C	7.51	5.41
Pdh Tj = Tbiv	12.20 kW	10.02 kW
COP Tj = Tbiv	2.73	2.18
Pdh Tj = TOL	12.20 kW	10.02 kW
COP Tj = TOL	2.73	2.18
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

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

Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Q _{he}	2791 kWh	3152 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
T _{biv}	-17 °C	-15 °C
TOL	-20 °C	-17 °C
P _{dh} T _j = -7°C	6.24 kW	6.49 kW
COP T _j = -7°C	3.56	2.65
P _{dh} T _j = +2°C	3.66 kW	4.49 kW
COP T _j = +2°C	5.14	3.88
P _{dh} T _j = +7°C	2.82 kW	5.35 kW

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

COP Tj = +7°C	6.30	4.87
Pdh Tj = 12°C	3.06 kW	6.32 kW
COP Tj = 12°C	6.86	6.09
Pdh Tj = Tbiv	8.60 kW	8.70 kW
COP Tj = Tbiv	2.24	1.83
Pdh Tj = TOL	7.80 kW	8.09 kW
COP Tj = TOL	2.08	1.69
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	9.80 kW	10.60 kW
Annual energy consumption Qhe	5764 kWh	8407 kWh