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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, 13	Bosch CS	7001iAW
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

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.11 kW	4.45 kW
El input	1.04 kW	1.62 kW
СОР	4.90	2.75
Indoor water flow rate	0.89 m³/h	0.49 m³/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	



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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)

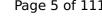
EN 14825		
	Low temperature	Medium temperature
η_{s}	202 %	143 %
Prated	10.00 kW	9.00 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.20 kW	8.50 kW
COP Tj = -7°C	3.02	2.15
Pdh Tj = +2°C	6.00 kW	4.70 kW
COP Tj = +2°C	4.90	3.51
Pdh Tj = +7°C	3.60 kW	5.30 kW
COP Tj = +7°C	6.74	4.99
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





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
РТО	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)





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EN 16147	
Declared load profile	L
Efficiency ηDHW	89 %
СОР	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



Model: Bosch CS7000iAW 13 IRM

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.11 kW	4.45 kW	
El input	1.04 kW	1.62 kW	
СОР	4.90	2.75	
Indoor water flow rate	0.89 m³/h	0.49 m³/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	



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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





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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
РТО	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

4393 kWh

5499 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	89 %	
СОР	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	



Model: Bosch CS7000iAW 13 IRB

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.11 kW	4.45 kW
El input	1.04 kW	1.62 kW
СОР	4.90	2.75
Indoor water flow rate	0.89 m³/h	0.49 m³/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



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



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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
РТО	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 CS7000iAW 13 IRE

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.11 kW	4.45 kW
El input	1.04 kW	1.62 kW
СОР	4.90	2.75
Indoor water flow rate	0.89 m³/h	0.49 m³/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



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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



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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
РТО	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 CS7000iAW 13 ORMS

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.11 kW	4.45 kW	
El input	1.04 kW	1.62 kW	
СОР	4.90	2.75	
Indoor water flow rate	0.89 m³/h	0.49 m³/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



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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



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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
РТО	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)

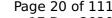


EN 16147	
Declared load profile	L
Efficiency ηDHW	89 %
Heating up time	02:18 h:min
Standby power input	67.0 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	310
СОР	2.19

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	101 %	
СОР	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	

Colder Climate





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EN 16147	
Declared load profile	L
Efficiency ηDHW	79 %
СОР	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



Model: Bosch CS7000iAW 13 ORM

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.11 kW	4.45 kW	
El input	1.04 kW	1.62 kW	
СОР	4.90	2.75	
Indoor water flow rate	0.89 m³/h	0.49 m³/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	



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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



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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
РТО	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)



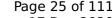
 $$\operatorname{\textit{Page}}\xspace$ 24 of 111 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147		
Declared load profile	L	
Efficiency ηDHW	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	
СОР	2.19	

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	101 %	
СОР	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	

Colder Climate





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	79 %	
СОР	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	



Model: Bosch CS7000iAW 13 ORB

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.11 kW	4.45 kW	
El input	1.04 kW	1.62 kW	
СОР	4.90	2.75	
Indoor water flow rate	0.89 m³/h	0.49 m³/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	



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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



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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
РТО	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 CS7000iAW 13 ORE

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.11 kW	4.45 kW
El input	1.04 kW	1.62 kW
СОР	4.90	2.75
Indoor water flow rate	0.89 m³/h	0.49 m³/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



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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



$$\operatorname{\textit{Page}}\ 31$ of 111$$ This information was generated by the HP KEYMARK database on 17 Dec 2020

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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
РТО	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

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.11 kW	4.45 kW
El input	1.04 kW	1.62 kW
СОР	4.90	2.75
Indoor water flow rate	0.89 m³/h	0.49 m³/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

EN 14825		
	Low temperature	Medium temperature



$$\operatorname{\textit{Page}}\ 33$ of 111$$ This information was generated by the HP KEYMARK database on 17 Dec 2020

3 -	- · · · · , · ·	Title database on 17 Dec 202
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 = $+7^{\circ}$ 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
РТО	21 W	21 W



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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

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

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.11 kW	4.45 kW	
El input	1.04 kW	1.62 kW	
СОР	4.90	2.75	
Indoor water flow rate	0.89 m³/h	0.49 m³/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	

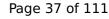
EN 14825		
	Low temperature	Medium temperature
	-	



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

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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
$COP Tj = -7^{\circ}C$	3.02	2.15
Pdh Tj = $+2$ °C	6.00 kW	4.70 kW
COP Tj = +2°C	4.90	3.51
Pdh Tj = $+7^{\circ}$ C	3.60 kW	5.30 kW
$COP Tj = +7^{\circ}C$	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
РТО	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

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 ηDHW	89 %
СОР	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



Model: Bosch Compress 6000 AW-13 AWE

General Data	
Power supply 3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.11 kW	4.45 kW
El input	1.04 kW	1.62 kW
СОР	4.90	2.75
Indoor water flow rate	0.89 m³/h	0.49 m³/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

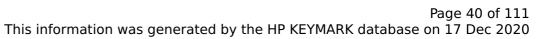
EN 14825		
	Low temperature	Medium temperature



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

	non was generated by the m	KLIMARK database on 17 Dec 202
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 = $+7^{\circ}$ C	3.60 kW	5.30 kW
$COP Tj = +7^{\circ}C$	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
РТО	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

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	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.11 kW	4.45 kW
El input	1.04 kW	1.62 kW
СОР	4.90	2.75
Indoor water flow rate	0.89 m³/h	0.49 m³/h

EN 14511-4	
Shutting off the heat transfer medium flow	nassod
Shatting on the heat transfer medium now	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14825		
	Low temperature	Medium temperature



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

This information was ge	Therated by the Hi KETM	ARR 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
$COP Tj = -7^{\circ}C$	3.02	2.15
Pdh Tj = $+2$ °C	6.00 kW	4.70 kW
COP Tj = +2°C	4.90	3.51
Pdh Tj = $+7^{\circ}$ C	3.60 kW	5.30 kW
$COP Tj = +7^{\circ}C$	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
РТО	21 W	21 W
	1	





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

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 ηDHW	89 %
СОР	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



Model: Bosch Compress 6000 AW-13s AWB

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.11 kW	4.45 kW	
El input	1.04 kW	1.62 kW	
СОР	4.90	2.75	
Indoor water flow rate	0.89 m³/h	0.49 m³/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	

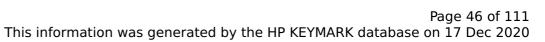
EN 14825		
	Low temperature	Medium temperature
	-	



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

This information was get		
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
$COPTj = -7^{\circ}C$	3.02	2.15
Pdh Tj = $+2$ °C	6.00 kW	4.70 kW
COP Tj = +2°C	4.90	3.51
Pdh Tj = $+7^{\circ}$ 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
РТО	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

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

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.11 kW	4.45 kW
El input	1.04 kW	1.62 kW
СОР	4.90	2.75
Indoor water flow rate	0.89 m³/h	0.49 m³/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

EN 14825			
	Low temperature	Medium temperature	
	•		



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

3 -	- · · · · , · ·	Title database on 17 Dec 202
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 = $+7^{\circ}$ C	3.60 kW	5.30 kW
$COPTj = +7^{\circ}C$	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
РТО	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

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 ηDHW	89 %	
COP	2.19	
Heating up time	02:18 h:min	
	67.0 W	
Standby power input		
Reference hot water temperature	52.8 °C	
Mixed water at 40°C	310	

Model: Bosch Compress 6000 AW-13s AWMS

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.11 kW	4.45 kW
El input	1.04 kW	1.62 kW
СОР	4.90	2.75
Indoor water flow rate	0.89 m³/h	0.49 m³/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	

EN 14825		
	Low temperature	Medium temperature



 $$\operatorname{\textit{Page}}\xspace$ 51 of 111 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
$COP Tj = +7^{\circ}C$	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
РТО	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

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 ηDHW	89 %
COP	2.19
Heating up time	02:18 h:min
	67.0 W
Standby power input	
Reference hot water temperature	52.8 °C
Mixed water at 40°C	310



Model: Bosch Compress 6000 AW-13s AWE

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.11 kW	4.45 kW
El input	1.04 kW	1.62 kW
СОР	4.90	2.75
Indoor water flow rate	0.89 m³/h	0.49 m³/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

EN 14825		
	Low temperature	Medium temperature



$$\operatorname{\textit{Page}}\xspace$ 54 of 111 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 = $+7^{\circ}$ C	3.60 kW	5.30 kW
$COP Tj = +7^{\circ}C$	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
РТО	21 W	21 W



$$\operatorname{\textit{Page}}\xspace$ 55 of 111 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 Qhe	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

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.18 kW	4.62 kW
El input	1.04 kW	1.63 kW
СОР	5.00	2.85
Indoor water flow rate	0.25 m³/h	0.14 m³/h

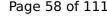
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



 $$\operatorname{\textit{Page}}\xspace$ 57 of 111 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





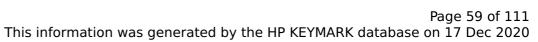
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COP Tj = Tbiv	2.59	1.81
Pdh Tj = TOL	9.97 kW	9.26 kW
COP Tj = TOL	2.59	1.81
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	23 W	23 W
РТО	0 W	o w
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	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



The information was	generated by the fir REII	THE GOLDON OF THE DCC 202
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
$COPTj = +2^{\circ}C$	3.04	2.17
Pdh Tj = $+7^{\circ}$ C	7.61 kW	7.90 kW
$COPTj = +7^{\circ}C$	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
РТО	o w	0 W
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
		.

CEN heat pump KEYMARK





Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	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
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



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	Tieratea by the Till Itz Till	
$COPTj = +7^{\circ}C$	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
РТО	0 W	o 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)

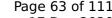


EN 16147		
Declared load profile	L	
Efficiency ηDHW	91 %	
Heating up time	02:15 h:min	
Standby power input	70.9 W	
Reference hot water temperature	52.2 °C	
Mixed water at 40°C	255 I	
СОР	2.11	

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	102 %	
СОР	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 I	

Colder Climate





 $$\operatorname{\textit{Page}}\xspace$ 63 of 111 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147	
Declared load profile	L
Efficiency ηDHW	75 %
СОР	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 I



Model: Bosch CS7001iAW 13 ORM-T

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.18 kW	4.62 kW	
El input	1.04 kW	1.63 kW	
СОР	5.00	2.85	
Indoor water flow rate	0.25 m³/h	0.14 m³/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



 $$\operatorname{\textit{Page}}\xspace$ 65 of 111 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





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
РТО	o w	o 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)

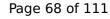
EN 14825			
Low temperature Medium temperature			



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

THIS IIIIOTHIALION Was	generated by the HF	KLIMARK 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
$COP Tj = +7^{\circ}C$	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
РТО	o w	o w
PSB	23 W	23 W
РСК	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
	1	1





Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	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
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.97 kW	5.61 kW
$COP Tj = -7^{\circ}C$	3.62	2.70
Pdh Tj = +2°C	7.24 kW	6.85 kW
$COP Tj = +2^{\circ}C$	4.14	3.24
Pdh Tj = +7°C	5.47 kW	5.19 kW



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

$COPTj = +7^{\circ}C$	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
РТО	o w	o 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)



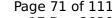
 $$\operatorname{\textit{Page}}\ 70$$ of 111 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147		
Declared load profile	L	
Efficiency ηDHW	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 I	
СОР	2.15	

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	111 %	
СОР	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 I	

Colder Climate





$$\operatorname{\textit{Page}}\ 71$$ of 111 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147		
Declared load profile	L	
Efficiency ηDHW	76 %	
СОР	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 I	



Model: Bosch CS7001iAW 13 ORB-T

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.18 kW	4.62 kW	
El input	1.04 kW	1.63 kW	
СОР	5.00	2.85	
Indoor water flow rate	0.25 m³/h	0.14 m³/h	

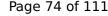
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	



 $$\operatorname{\textit{Page}}\ 73$$ of 111 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





$$\operatorname{\textit{Page}}\ 74$ of $111$$ 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
РТО	0 W	o 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



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

THIS IIIIOTHIALION Was	generated by the HF	KLIMARK 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
$COP Tj = +7^{\circ}C$	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
РТО	o w	o w
PSB	23 W	23 W
РСК	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
	1	1





Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	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
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
	3.T/ KW	3.13 KV



$$\operatorname{\textit{Page}}\xspace$ 77 of 111 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
РТО	o w	o 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

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.18 kW	4.62 kW	
El input	1.04 kW	1.63 kW	
СОР	5.00	2.85	
Indoor water flow rate	0.25 m³/h	0.14 m³/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

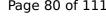
Average Climate



 $$\operatorname{\textit{Page}}\ 79$ of 111$$ 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





$$\operatorname{\textit{Page}}\xspace$ 80 of 111 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
РТО	o w	o 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

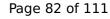
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature



$$\operatorname{\textit{Page}}\xspace$ 81 of 111 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
$COP Tj = +7^{\circ}C$	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
РТО	0 W	o w
PSB	23 W	23 W
РСК	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

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
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
	3.T/ KW	3.13 KV



$$\operatorname{\textit{Page}}\xspace$ 83 of 111 This information was generated by the HP KEYMARK database on 17 Dec 2020

$COPTj = +7^{\circ}C$	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
РТО	o w	o 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

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.86 kW	4.60 kW	
El input	1.47 kW	1.79 kW	
СОР	4.68	2.56	
Indoor water flow rate	0.33 m³/h	0.14 m³/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	

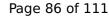
Average Climate



 $$\operatorname{\textit{Page}}$$ 85 of 111 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	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



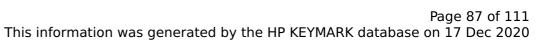


COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL	10.45 kW	8.59 kW
COP Tj = TOL	2.51	1.89
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	23 W	23 W
РТО	o w	o w
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	4540 kWh	5011 kWh

Warmer Climate

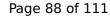
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	26 dB(A)	26 dB(A)	
Sound power level outdoor	55 dB(A)	55 dB(A)	

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	
РТО	0 W	0 W	
PSB	23 W	23 W	
PCK	12 W	12 W	
Supplementary Heater: Type of energy input	Electric	Electric	

CEN heat pump KEYMARK





Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	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
Tbiv	-17 °C	-15 °C
TOL	-20 °C	-17 °C
Pdh Tj = -7°C	6.24 kW	6.49 kW
COP Tj = -7°C	3.56	2.65
Pdh Tj = +2°C	3.66 kW	4.49 kW
COP Tj = +2°C	5.14	3.88
Pdh Tj = +7°C	2.82 kW	5.35 kW



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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
РТО	o 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

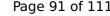


EN 16147		
Declared load profile	L	
Efficiency ηDHW	89 %	
Heating up time	02:21 h:min	
Standby power input	62.6 W	
Reference hot water temperature	51.9 °C	
Mixed water at 40°C	256 l	
СОР	2.09	

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	100 %	
СОР	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 I	

Colder Climate





 $$\operatorname{\textit{Page}}\xspace$ 91 of 111 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147	
Declared load profile	L
Efficiency ηDHW	80 %
СОР	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 I



Model: Bosch CS7001iAW 13 ORM-S

General Data		
Power supply 3x230V 50Hz		

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.86 kW	4.60 kW
El input	1.47 kW	1.79 kW
СОР	4.68	2.56
Indoor water flow rate	0.33 m³/h	0.14 m³/h

EN 14511-4	
Shutting off the heat transfer medium flow	nassod
Shutting on the heat transfer medium now	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate



 $$\operatorname{\textit{Page}}\xspace$ 93 of 111 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	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 = $+7^{\circ}$ 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





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
РТО	o w	o 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



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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
$COPTj = +2^{\circ}C$	2.73	2.18
Pdh Tj = +7°C	7.77 kW	6.46 kW
$COP Tj = +7^{\circ}C$	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
РТО	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	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
Tbiv	-17 °C	-15 °C
TOL	-20 °C	-17 °C
Pdh Tj = -7°C	6.24 kW	6.49 kW
COP Tj = -7°C	3.56	2.65
Pdh Tj = +2°C	3.66 kW	4.49 kW
COP Tj = +2°C	5.14	3.88
Pdh Tj = +7°C	2.82 kW	5.35 kW



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

	Teracea by the fire real	
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

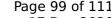


EN 16147	
Declared load profile	L
Efficiency ηDHW	91 %
Heating up time	02:18 h:min
Standby power input	60.0 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	266 I
СОР	2.13

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	108 %
СОР	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

Colder Climate





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EN 16147	
Declared load profile	L
Efficiency ηDHW	82 %
СОР	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

Model: Bosch CS7001iAW 13 ORB-S

General Data	
Power supply	3x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.86 kW	4.60 kW
El input	1.47 kW	1.79 kW
СОР	4.68	2.56
Indoor water flow rate	0.33 m³/h	0.14 m³/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

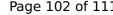
Average Climate



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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





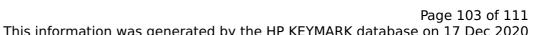
$$\operatorname{\textit{Page}}\ 102$ of 111$$ This information was generated by the HP KEYMARK database on 17 Dec 2020

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
РТО	o w	o 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 202
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
$COP Tj = +7^{\circ}C$	4.99	3.73
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COP Tj = TOL	2.73	2.18
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	o w	o 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	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
Tbiv	-17 °C	-15 °C
TOL	-20 °C	-17 °C
Pdh Tj = -7°C	6.24 kW	6.49 kW
COP Tj = -7°C	3.56	2.65
Pdh Tj = +2°C	3.66 kW	4.49 kW
COP Tj = +2°C	5.14	3.88
Pdh Tj = +7°C	2.82 kW	5.35 kW



$$\operatorname{\textit{Page}}\xspace$ 105 of 111 This information was generated by the HP KEYMARK database on 17 Dec 2020

$COP Tj = +7^{\circ}C$	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
РТО	o 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	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.86 kW	4.60 kW
El input	1.47 kW	1.79 kW
СОР	4.68	2.56
Indoor water flow rate	0.33 m³/h	0.14 m³/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

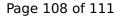
Average Climate



 $$\operatorname{\textit{Page}}\xspace$ 107 of 111 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
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Pdh Tj = 12°C	3.11 kW	6.23 kW
COP Tj = 12°C	7.25	5.75
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WTOL	60 °C	60 °C
Poff	23 W	23 W
РТО	o w	o 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

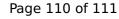
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature





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Prated	12.10 kW	10.00 kW	
SCOP	5.79	4.24	
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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	
РТО	o 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	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)

Medium temperature 121 % 10.60 kW 3.11 -15 °C
10.60 kW 3.11
3.11
-15 °C
-17 °C
6.49 kW
2.65
4.49 kW
3.88
5.35 kW
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 $$\operatorname{\textit{Page}}\xspace$ 111 of 111 This information was generated by the HP KEYMARK database on 17 Dec 2020

COP Tj = +7°C	6.30	4.87
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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
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PCK	12 W	12 W
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Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Qhe	5764 kWh	8407 kWh