

Page 1 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

_		in
_\	vu	

Summary of	Bosch Compress 7000iAW 13 OR and IR, Compress 6000 AW-13/s, Bosch CS7001iAW 13	Reg. No.	011- 1W0125
Certificate Hole	der		
Name	Bosch Thermotechnik GmbH		
Address	Junkersstraße 20 - 24	Zip	73249
City	Wernau	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		,
Subtype title	Bosch Compress 7000iAW 13 OR and IR, Compress 6000 AW-13/s, Bos	ch CS7001	iAW 13
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	3.3 kg		
Certification Date	18.07.2017		
Testing basis	HP KEYMARK certification scheme rules rev. 8		

Model: Bosch CS7000iAW 13 IRMS-T

Configure model		
Model name Bosch CS7000iAW 13 IRMS-T		
Application	Heating + DHW + low temp	
Units Indoor + Outdoor		
Climate Zone Colder Climate + Warmer Climate		
Reversibility	Yes	
Cooling mode application (optional) n/a		

General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	4.67 kW	4.39 kW	
El input	0.93 kW	1.62 kW	
СОР	5.00	2.71	

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	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.14 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = +7°C	3.54 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW





2.59	1.84
9.97 kW	9.33 kW
2.59	1.84
1.00	1.00
60 °C	60 °C
20 W	20 W
20 W	20 W
20 W	20 W
o w	o w
Electricity	Electricity
0.00 kW	0.00 kW
4558 kWh	5389 kWh
	9.97 kW 2.59 1.00 60 °C 20 W 20 W 0 W Electricity 0.00 kW

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	Low temperature	Medium temperature





, , , , , , , , , , , , , , , , , , ,	TK database on 18 Mai 2022
148 %	113 %
9.05 kW	9.15 kW
3.78	2.90
-17 °C	-16 °C
-18 °C	-17 °C
5.98 kW	5.62 kW
3.61	2.70
5.40 kW	6.86 kW
4.12	3.23
2.77 kW	5.19 kW
6.35	4.86
3.07 kW	6.14 kW
7.59	5.90
7.39 kW	7.71 kW
2.11	1.72
7.18 kW	6.32 kW
2.16	1.69
60 °C	60 °C
20 W	20 W
20 W	20 W
20 W	20 W
	148 % 9.05 kW 3.78 -17 °C -18 °C 5.98 kW 3.61 5.40 kW 4.12 2.77 kW 6.35 3.07 kW 7.59 7.39 kW 2.11 7.18 kW 2.16 60 °C 20 W



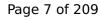


PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.05 kW	9.15 kW
Annual energy consumption Qhe	5895 kWh	7769 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.80	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	249 %	163 %
Prated	10.87 kW	11.43 kW
SCOP	6.29	4.15
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.87 kW	11.43 kW





COP Tj = +2°C	3.04	2.17
Pdh Tj = +7°C	7.30 kW	7.90 kW
$COP Tj = +7^{\circ}C$	5.37	3.45
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	10.87 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.87 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2308 kWh	3681 kWh

Domestic Hot Water (DHW)

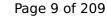


EN 16147	
Declared load profile	L
Efficiency ηDHW	91 %
СОР	2.11
Heating up time	02:15 h:min
Standby power input	71.0 W
Reference hot water temperature	52.2 °C
Mixed water at 40°C	255 I

Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	75 %
СОР	1.73
Heating up time	02:37 h:min
Standby power input	94.0 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	257 I

Warmer Climate





EN 16147	
Declared load profile	L
Efficiency ηDHW	102 %
СОР	2.35
Heating up time	01:51 h:min
Standby power input	69.0 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	252 l



Model: Bosch CS7000iAW 13 IRM-T

Configure model		
Model name Bosch CS7000iAW 13 IRM-T		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

Heating

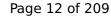
EN 14511-2		
Low temperature Medium temperature		
Heat output	4.67 kW	4.39 kW
El input	0.93 kW	1.62 kW
СОР	5.00	2.71

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	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.14 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = $+2$ °C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = $+7^{\circ}$ C	3.54 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW



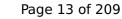


COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4558 kWh	5389 kWh

Colder Climate

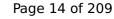
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	50 dB(A)	50 dB(A)	
Sound power level outdoor	37 dB(A)	37 dB(A)	

EN 14825		
	Low temperature	Medium temperature





, , , , , , , , , , , , , , , , , , ,	TK database on 18 Mai 2022
148 %	113 %
9.05 kW	9.15 kW
3.78	2.90
-17 °C	-16 °C
-18 °C	-17 °C
5.98 kW	5.62 kW
3.61	2.70
5.40 kW	6.86 kW
4.12	3.23
2.77 kW	5.19 kW
6.35	4.86
3.07 kW	6.14 kW
7.59	5.90
7.39 kW	7.71 kW
2.11	1.72
7.18 kW	6.32 kW
2.16	1.69
60 °C	60 °C
20 W	20 W
20 W	20 W
20 W	20 W
	148 % 9.05 kW 3.78 -17 °C -18 °C 5.98 kW 3.61 5.40 kW 4.12 2.77 kW 6.35 3.07 kW 7.59 7.39 kW 2.11 7.18 kW 2.16 60 °C 20 W



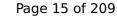


PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.05 kW	9.15 kW
Annual energy consumption Qhe	5895 kWh	7769 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.80	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	50 dB(A)	50 dB(A)	
Sound power level outdoor	37 dB(A)	37 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	249 %	163 %
Prated	10.87 kW	11.43 kW
SCOP	6.29	4.15
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.87 kW	11.43 kW





	· · · · · · · · · · · · · · · · · · ·	
COP Tj = +2°C	3.04	2.17
Pdh Tj = $+7^{\circ}$ C	7.30 kW	7.90 kW
$COP Tj = +7^{\circ}C$	5.37	3.45
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	10.87 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.87 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2308 kWh	3681 kWh

Domestic Hot Water (DHW)

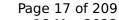


EN 16147	
Declared load profile	L
Efficiency ηDHW	92 %
СОР	2.15
Heating up time	02:12 h:min
Standby power input	68.0 W
Reference hot water temperature	53.2 °C
Mixed water at 40°C	265 I

Colder Climate

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	

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



Model: Bosch CS7000iAW 13 IRB-T

Configure model		
Model name	Bosch CS7000iAW 13 IRB-T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.67 kW	4.39 kW
El input	0.93 kW	1.62 kW
СОР	5.00	2.71

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	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.14 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = $+2$ °C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = $+7^{\circ}$ C	3.54 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW



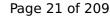


COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4558 kWh	5389 kWh

Colder Climate

EN 12102-1 Low temperature Medium temperature Sound power level indoor 50 dB(A) 50 dB(A) Sound power level outdoor 37 dB(A) 37 dB(A)

EN 14825		
	Low temperature	Medium temperature





This information was genera		1.
η_s	148 %	113 %
Prated	9.05 kW	9.15 kW
SCOP	3.78	2.90
Tbiv	-17 °C	-16 °C
TOL	-18 °C	-17 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
$COP Tj = -7^{\circ}C$	3.61	2.70
Pdh Tj = $+2$ °C	5.40 kW	6.86 kW
$COPTj = +2^{\circ}C$	4.12	3.23
Pdh Tj = $+7^{\circ}$ C	2.77 kW	5.19 kW
$COP Tj = +7^{\circ}C$	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	5.90
Pdh Tj = Tbiv	7.39 kW	7.71 kW
COP Tj = Tbiv	2.11	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.18 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
1		





PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5895 kWh	7769 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.80	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
Low temperature		Medium temperature
η_{s}	249 %	163 %
Prated	10.87 kW	11.43 kW
SCOP	6.29	4.15
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.87 kW	11.43 kW



Page 23 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = +2°C	3.04	2.17
Pdh Tj = +7°C	7.30 kW	7.90 kW
$COP Tj = +7^{\circ}C$	5.37	3.45
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	10.87 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.87 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2308 kWh	3681 kWh



Model: Bosch CS7000iAW 13 IRE-T

Configure model		
Model name	Bosch CS7000iAW 13 IRE-T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.67 kW	4.39 kW
El input	0.93 kW	1.62 kW
СОР	5.00	2.71

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	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.14 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = $+2$ °C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = $+7^{\circ}$ C	3.54 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW



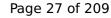


COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4558 kWh	5389 kWh

Colder Climate

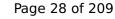
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	50 dB(A)	50 dB(A)	
Sound power level outdoor	37 dB(A)	37 dB(A)	

EN 14825		
	Low temperature	Medium temperature





, , , , , , , , , , , , , , , , , , ,	TK database on 18 Mai 2022
148 %	113 %
9.05 kW	9.15 kW
3.78	2.90
-17 °C	-16 °C
-18 °C	-17 °C
5.98 kW	5.62 kW
3.61	2.70
5.40 kW	6.86 kW
4.12	3.23
2.77 kW	5.19 kW
6.35	4.86
3.07 kW	6.14 kW
7.59	5.90
7.39 kW	7.71 kW
2.11	1.72
7.18 kW	6.32 kW
2.16	1.69
60 °C	60 °C
20 W	20 W
20 W	20 W
20 W	20 W
	148 % 9.05 kW 3.78 -17 °C -18 °C 5.98 kW 3.61 5.40 kW 4.12 2.77 kW 6.35 3.07 kW 7.59 7.39 kW 2.11 7.18 kW 2.16 60 °C 20 W





PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.05 kW	9.15 kW
Annual energy consumption Qhe	5895 kWh	7769 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.80	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	50 dB(A)	50 dB(A)	
Sound power level outdoor	37 dB(A)	37 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	249 %	163 %
Prated	10.87 kW	11.43 kW
SCOP	6.29	4.15
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.87 kW	11.43 kW



Page 29 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = +2°C	3.04	2.17
Pdh Tj = $+7^{\circ}$ C	7.30 kW	7.90 kW
$COP Tj = +7^{\circ}C$	5.37	3.45
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	10.87 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.87 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2308 kWh	3681 kWh

Model: Bosch CS7000iAW 13 ORMS-T

Configure model		
Model name	Bosch CS7000iAW 13 ORMS-T	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

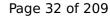
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.19 kW	4.62 kW	
El input	1.04 kW	1.62 kW	
СОР	4.98	2.85	

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	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = $+7^{\circ}$ C	3.68 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW





COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4562 kWh	5389 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





242.04	
249 %	167 %
11.00.144	11 12 111
11.80 kW	11.43 kW
6.30	4.24
2 °C	2 °C
2 °C	2 °C
11.80 kW	11.43 kW
3.04	2.17
7.62 kW	7.90 kW
5.37	3.61
3.13 kW	6.01 kW
8.25	5.56
11.80 kW	11.43 kW
3.04	2.17
11.80 kW	11.43 kW
3.04	2.17
60 °C	60 °C
20 W	20 W
20 W	20 W
20 W	20 W
o w	o w
Electricity	Electricity
	2 °C 2 °C 11.80 kW 3.04 7.62 kW 5.37 3.13 kW 8.25 11.80 kW 3.04 11.80 kW 3.04 20 W 20 W 20 W



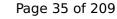


Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh

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
ns .	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Гріу	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	2.70
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Pdh Tj = +7°C	5.48 kW	5.19 kW





	<u> </u>	
$COP Tj = +7^{\circ}C$	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15 °C (if TOL< -20 °C)	2.61	1.92

Domestic Hot Water (DHW)

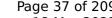


EN 16147		
Declared load profile	L	
Efficiency ηDHW	91 %	
Heating up time	02:15 h:min	
Standby power input	71.0 W	
Reference hot water temperature	52.2 °C	
Mixed water at 40°C	255 I	
СОР	2.11	

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	102 %	
СОР	2.35	
Heating up time	01:51 h:min	
Standby power input	69.0 W	
Reference hot water temperature	51.3 °C	
Mixed water at 40°C	252 I	

Colder Climate





$$\operatorname{\textit{Page}}\xspace$ 37 of 209 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147		
Declared load profile	L	
Efficiency ηDHW	75 %	
СОР	1.73	
Heating up time	02:37 h:min	
Standby power input	94.0 W	
Reference hot water temperature	51.3 °C	
Mixed water at 40°C	257 I	



Model: Bosch CS7000iAW 13 ORM-T

Configure model		
Model name	Bosch CS7000iAW 13 ORM-T	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	5.19 kW	4.62 kW	
El input	1.04 kW	1.62 kW	
СОР	4.98	2.85	

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	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = $+2$ °C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = $+7^{\circ}$ C	3.68 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW



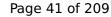


COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4562 kWh	5389 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





		TR database on 18 Mai 2022
η_{s}	249 %	167 %
Prated	11.80 kW	11.43 kW
SCOP	6.30	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.80 kW	11.43 kW
$COP Tj = +2^{\circ}C$	3.04	2.17
Pdh Tj = +7°C	7.62 kW	7.90 kW
$COP Tj = +7^{\circ}C$	5.37	3.61
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	11.80 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
РСК	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity





Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 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}	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	2.70
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Pdh Tj = +7°C	5.48 kW	5.19 kW





$COP Tj = +7^{\circ}C$	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92

Domestic Hot Water (DHW)

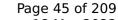


EN 16147	
Declared load profile	L
Efficiency ηDHW	92 %
Heating up time	02:12 h:min
Standby power input	68.0 W
Reference hot water temperature	53.2 °C
Mixed water at 40°C	265 I
СОР	2.15

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	111 %
СОР	2.55
Heating up time	01:48 h:min
Standby power input	66.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	266 I

Colder Climate





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 CS7000iAW 13 ORB-T

Configure model		
Model name	Bosch CS7000iAW 13 ORB-T	
Application Heating (medium temp)		
Units Indoor + Outdoor		
Climate Zone Colder Climate + Warmer Climate		
Reversibility Yes		
Cooling mode application (optional) n/a		

General Data		
Power supply	3x400V 50Hz	

Heating

COP

4.98

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	5.19 kW	4.62 kW
El input	1.04 kW	1.62 kW

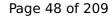
2.85

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



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 temp				
η_{s}	178 %	140 %		
Prated	9.97 kW	9.33 kW		
SCOP	4.52	3.58		
Tbiv	-10 °C	-10 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7°C	9.53 kW	8.41 kW		
COP Tj = -7°C	2.95	2.21		
Pdh Tj = +2°C	5.48 kW	4.74 kW		
COP Tj = +2°C	4.04	3.58		
Pdh Tj = +7°C	3.68 kW	5.12 kW		
COP Tj = +7°C	6.71	4.54		
Pdh Tj = 12°C	3.11 kW	6.10 kW		
COP Tj = 12°C	7.94	5.66		
Pdh Tj = Tbiv	9.97 kW	9.33 kW		



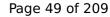


COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4562 kWh	5389 kWh

Colder Climate

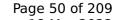
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature





114 % 8.87 kW 2.93 -17 °C -18 °C
2.93 -17 °C
-17 °C
-18 °C
5.62 kW
2.70
6.86 kW
3.23
5.19 kW
4.86
6.14 kW
6.14
7.71 kW
1.72
6.32 kW
1.69
60 °C
20 W
20 W
20 W





PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92

Warmer Climate

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

EN 14825		
	Low temperature	Medium temperature
η _s	249 %	167 %
Prated	11.80 kW	11.43 kW
SCOP	6.30	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.80 kW	11.43 kW



$$\operatorname{\textit{Page}}\xspace$ 51 of 209 This information was generated by the HP KEYMARK database on 18 Mar 2022

general		
COP Tj = +2°C	3.04	2.17
Pdh Tj = +7°C	7.62 kW	7.90 kW
$COP Tj = +7^{\circ}C$	5.37	3.61
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	11.80 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh



Model: Bosch CS7000iAW 13 ORE-T

Configure model		
Model name	Bosch CS7000iAW 13 ORE-T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

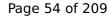
EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.19 kW	4.62 kW
El input	1.04 kW	1.62 kW
СОР	4.98	2.85

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	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = $+7^{\circ}$ C	3.68 kW	5.12 kW
$COP Tj = +7^{\circ}C$	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW



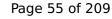


COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4562 kWh	5389 kWh

Colder Climate

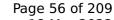
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature





η_{s}	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
$COP Tj = -7^{\circ}C$	3.61	2.70
Pdh Tj = +2°C	7.25 kW	6.86 kW
$COPTj = +2^{\circ}C$	4.12	3.23
Pdh Tj = $+7^{\circ}$ C	5.48 kW	5.19 kW
$COPTj = +7^{\circ}C$	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
	1	1





PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92

Warmer Climate

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

EN 14825		
	Low temperature	Medium temperature
η_{s}	249 %	167 %
Prated	11.80 kW	11.43 kW
SCOP	6.30	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.80 kW	11.43 kW
	,	·



Page 57 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = +2°C	3.04	2.17
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.90 kW
$COP Tj = +7^{\circ}C$	5.37	3.61
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	11.80 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh



Model: Bosch CS7000iAW 13 ORMS-S

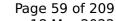
Configure model		
Model name	Bosch CS7000iAW 13 ORMS-S	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 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			

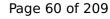
EN 14511-4	
Shutting off the heat transfer medium flow	naccod
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed





EN 14825

	Low temperature	Medium temperature
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
$COPTj = -7^{\circ}C$	2.88	2.28
Pdh Tj = $+2$ °C	5.93 kW	4.45 kW
$COP Tj = +2^{\circ}C$	4.65	3.53
Pdh Tj = $+7^{\circ}$ C	3.75 kW	5.21 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	10.45 kW	8.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C





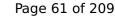
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4540 kWh	5008 kWh

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)	

Colder Climate

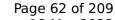
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	26 dB(A)	26 dB(A)	
Sound power level outdoor	55 dB(A)	55 dB(A)	

EN 14825		
	Low temperature	Medium temperature





This information was genera		
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
$COP Tj = -7^{\circ}C$	3.56	2.65
Pdh Tj = +2°C	3.66 kW	4.49 kW
COP Tj = +2°C	5.14	3.88
Pdh Tj = $+7^{\circ}$ C	2.82 kW	5.35 kW
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W



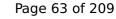


PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.83

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
η_{s}	228 %	166 %
Prated	12.10 kW	10.00 kW
SCOP	5.78	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.20 kW	10.02 kW





	<u> </u>	
COP Tj = +2°C	2.73	2.18
Pdh Tj = $+7^{\circ}$ 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

Domestic Hot Water (DHW)

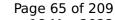


EN 16147		
Declared load profile	L	
Efficiency ηDHW	89 %	
СОР	2.09	
Heating up time	02:21 h:min	
Standby power input	63.0 W	
Reference hot water temperature	51.9 °C	
Mixed water at 40°C	256 I	

Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	80 %	
СОР	1.87	
Heating up time	02:43 h:min	
Standby power input	84.0 W	
Reference hot water temperature	52.3 °C	
Mixed water at 40°C	258 I	

Warmer Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	100 %	
СОР	2.32	
Heating up time	01:48 h:min	
Standby power input	57.0 W	
Reference hot water temperature	51.6 °C	
Mixed water at 40°C	253 I	



Model: Bosch CS7000iAW 13 ORM-S

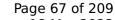
Configure model		
Model name Bosch CS7000iAW 13 ORM-S		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 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

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
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
$COPTj = -7^{\circ}C$	2.88	2.28
Pdh Tj = $+2$ °C	5.93 kW	4.45 kW
$COP Tj = +2^{\circ}C$	4.65	3.53
Pdh Tj = $+7^{\circ}$ C	3.75 kW	5.21 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	10.45 kW	8.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C





Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4540 kWh	5008 kWh

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)

Colder Climate

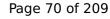
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature





This information was genera		
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
$COP Tj = -7^{\circ}C$	3.56	2.65
Pdh Tj = +2°C	3.66 kW	4.49 kW
COP Tj = +2°C	5.14	3.88
Pdh Tj = $+7^{\circ}$ C	2.82 kW	5.35 kW
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W



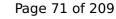


PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.83

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
η _s	228 %	166 %
Prated	12.10 kW	10.00 kW
SCOP	5.78	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.20 kW	10.02 kW





general		
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
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

Domestic Hot Water (DHW)

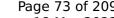


EN 16147		
Declared load profile	L	
Efficiency ηDHW	91 %	
СОР	2.13	
Heating up time	02:18 h:min	
Standby power input	60.0 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	266 I	

Colder Climate

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	

Warmer Climate





 $$\operatorname{\textit{Page}}\xspace$ 73 of 209 This information was generated by the HP KEYMARK database on 18 Mar 2022

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 I	

Model: Bosch CS7000iAW 13 ORB-S

Configure model		
Model name	Bosch CS7000iAW 13 ORB-S	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

COP

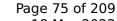
4.68

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.86 kW	4.60 kW
El input	1.47 kW	1.79 kW

2.56

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
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
$COPTj = -7^{\circ}C$	2.88	2.28
Pdh Tj = $+2$ °C	5.93 kW	4.45 kW
$COP Tj = +2^{\circ}C$	4.65	3.53
Pdh Tj = $+7^{\circ}$ C	3.75 kW	5.21 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	10.45 kW	8.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C





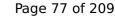
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4540 kWh	5008 kWh

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)	

Colder Climate

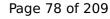
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	55 dB(A)	55 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Tins information was genera	· · · · · · · · · · · · · · · · · · ·	
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
$COP Tj = -7^{\circ}C$	3.56	2.65
Pdh Tj = +2°C	3.66 kW	4.49 kW
$COPTj = +2^{\circ}C$	5.14	3.88
Pdh Tj = $+7^{\circ}$ C	2.82 kW	5.35 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W





PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.83

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
η _s	228 %	166 %
Prated	12.10 kW	10.00 kW
SCOP	5.78	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.20 kW	10.02 kW



Page 79 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

general		
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
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh



Model: Bosch CS7000iAW 13 ORE-S

Configure model		
Model name	Bosch CS7000iAW 13 ORE-S	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

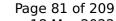
General Data		
Power supply	3x400V 50Hz	

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

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

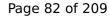
Average Climate





EN 14825

	Low temperature	Medium temperature
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
$COPTj = -7^{\circ}C$	2.88	2.28
Pdh Tj = $+2$ °C	5.93 kW	4.45 kW
$COP Tj = +2^{\circ}C$	4.65	3.53
Pdh Tj = $+7^{\circ}$ C	3.75 kW	5.21 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	10.45 kW	8.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C





Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4540 kWh	5008 kWh

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)

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	





This information was genera		
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 = $+7^{\circ}$ C	2.82 kW	5.35 kW
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W





PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.83

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
η _s	228 %	166 %
Prated	12.10 kW	10.00 kW
SCOP	5.78	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.20 kW	10.02 kW



Page 85 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = +2°C	2.73	2.18
Pdh Tj = $+7^{\circ}$ 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh



Model: Bosch Compress 6000 AW-13 AWB

Configure model		
Model name	Bosch Compress 6000 AW-13 AWB	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

COP

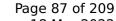
EN 14511-2				
Low temperature Medium temperature				
Heat output	5.19 kW	4.62 kW		
El input	1.04 kW	1.62 kW		

2.85

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

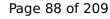
4.98





EN 14825

	Low temperature	Medium temperature
η_{s}	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
$COPTj = -7^{\circ}C$	2.95	2.21
Pdh Tj = $+2$ °C	5.48 kW	4.74 kW
$COP Tj = +2^{\circ}C$	4.04	3.58
Pdh Tj = $+7^{\circ}$ C	3.68 kW	5.12 kW
$COP Tj = +7^{\circ}C$	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW
COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C





Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4562 kWh	5389 kWh

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)	

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





	aced by the fit RETHA	TR database on 10 mar 2022
η_s	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
$COPTj = -7^{\circ}C$	3.61	2.70
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Pdh Tj = $+7^{\circ}$ C	5.48 kW	5.19 kW
$COPTj = +7^{\circ}C$	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
	I	





PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92

Warmer Climate

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

EN 14825		
	Low temperature	Medium temperature
η _s	249 %	167 %
Prated	11.80 kW	11.43 kW
SCOP	6.30	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.80 kW	11.43 kW



Page 91 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = +2°C	3.04	2.17
Pdh Tj = +7°C	7.62 kW	7.90 kW
$COP Tj = +7^{\circ}C$	5.37	3.61
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	11.80 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh



Model: Bosch Compress 6000 AW-13 AWM

Configure model		
Model name	Bosch Compress 6000 AW-13 AWM	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

EN 14511-2

Low temperature

Heating

Medium temperature

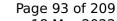
 Heat output
 5.19 kW
 4.62 kW

 El input
 1.04 kW
 1.62 kW

 COP
 4.98
 2.85

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
η_{S}	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
COP Tj = -7° C	2.95	2.21
Pdh Tj = $+2$ °C	5.48 kW	4.74 kW
$COP Tj = +2^{\circ}C$	4.04	3.58
Pdh Tj = $+7^{\circ}$ C	3.68 kW	5.12 kW
$COPTj = +7^{\circ}C$	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW
COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	1.00	1.00
WTOL	60 °C	60 °C





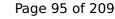
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4562 kWh	5389 kWh

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)	

Colder Climate

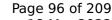
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	26 dB(A)	26 dB(A)	
Sound power level outdoor	53 dB(A)	53 dB(A)	

EN 14825		
	Low temperature	Medium temperature





This information was genera		
η_{s}	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7° C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	2.70
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Pdh Tj = $+7^{\circ}$ C	5.48 kW	5.19 kW
$COPTj = +7^{\circ}C$	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W





PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92

Warmer Climate

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

EN 14825		
	Low temperature	Medium temperature
η _s	249 %	167 %
Prated	11.80 kW	11.43 kW
SCOP	6.30	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.80 kW	11.43 kW





	<u> </u>	
COP Tj = +2°C	3.04	2.17
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.90 kW
$COP Tj = +7^{\circ}C$	5.37	3.61
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	11.80 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh

Domestic Hot Water (DHW)

Average Climate



EN 16147		
Declared load profile	L	
Efficiency ηDHW	92 %	
СОР	2.15	
Heating up time	02:12 h:min	
Standby power input	68.0 W	
Reference hot water temperature	53.2 °C	
Mixed water at 40°C	265 I	

Colder Climate

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	

Warmer Climate





EN 16147	
Declared load profile	L
Efficiency ηDHW	111 %
СОР	2.55
Heating up time	01:48 h:min
Standby power input	66.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	266 I



Model: Bosch Compress 6000 AW-13 AWE

Configure model		
Model name	Bosch Compress 6000 AW-13 AWE	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

EN 14511-2

Low temperature

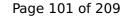
Heating

Medium temperature
4.62 kW

Heat output	5.19 kW	4.62 kW
El input	1.04 kW	1.62 kW
СОР	4.98	2.85

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

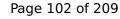
Average Climate





EN 14825

	Low temperature	Medium temperature
η_{s}	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
$COPTj = -7^{\circ}C$	2.95	2.21
Pdh Tj = $+2$ °C	5.48 kW	4.74 kW
$COP Tj = +2^{\circ}C$	4.04	3.58
Pdh Tj = $+7^{\circ}$ C	3.68 kW	5.12 kW
$COP Tj = +7^{\circ}C$	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW
COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C





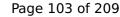
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4562 kWh	5389 kWh

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)	

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





	,	tit database on 10 mai 202
η_{s}	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7° C	5.98 kW	5.62 kW
$COP Tj = -7^{\circ}C$	3.61	2.70
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Pdh Tj = +7°C	5.48 kW	5.19 kW
$COPTj = +7^{\circ}C$	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W





PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92

Warmer Climate

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

EN 14825		
	Low temperature	Medium temperature
η _s	249 %	167 %
Prated	11.80 kW	11.43 kW
SCOP	6.30	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.80 kW	11.43 kW



Page 105 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

The same same general		
COP Tj = +2°C	3.04	2.17
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.90 kW
$COP Tj = +7^{\circ}C$	5.37	3.61
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	11.80 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh

Model: Bosch Compress 6000 AW-13 AWMS

Configure model		
Model name Bosch Compress 6000 AW-13 AWMS		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

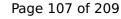
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	5.19 kW	4.62 kW	
El input	1.04 kW	1.62 kW	
СОР	4.98	2.85	

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

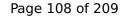
Average Climate





EN 14825

	Low temperature	Medium temperature
η_{s}	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
$COPTj = -7^{\circ}C$	2.95	2.21
Pdh Tj = $+2$ °C	5.48 kW	4.74 kW
$COP Tj = +2^{\circ}C$	4.04	3.58
Pdh Tj = $+7^{\circ}$ C	3.68 kW	5.12 kW
$COP Tj = +7^{\circ}C$	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW
COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C





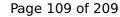
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4562 kWh	5389 kWh

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)

Colder Climate

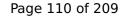
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825			
	Low temperature	Medium temperature	





This information was genera	ited by the HI KETMAI	TR database on 10 Mai 2022
η_s	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7° C	5.98 kW	5.62 kW
$COP Tj = -7^{\circ}C$	3.61	2.70
Pdh Tj = +2°C	7.25 kW	6.86 kW
$COPTj = +2^{\circ}C$	4.12	3.23
Pdh Tj = $+7^{\circ}$ C	5.48 kW	5.19 kW
$COPTj = +7^{\circ}C$	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W



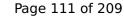


PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92

Warmer Climate

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

EN 14825		
	Low temperature	Medium temperature
η_{s}	249 %	167 %
Prated	11.80 kW	11.43 kW
SCOP	6.30	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.80 kW	11.43 kW





COP Tj = +2°C	3.04	2.17
Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.90 kW
COP Tj = +7°C	5.37	3.61
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	11.80 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh

Domestic Hot Water (DHW)

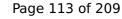


EN 16147		
Declared load profile	L	
Efficiency ηDHW	91 %	
СОР	2.11	
Heating up time	02:15 h:min	
Standby power input	71.0 W	
Reference hot water temperature	52.2 °C	
Mixed water at 40°C	255 I	

Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	75 %	
СОР	1.73	
Heating up time	02:37 h:min	
Standby power input	94.0 W	
Reference hot water temperature	51.3 °C	
Mixed water at 40°C	257 I	

Warmer Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	102 %	
СОР	2.35	
Heating up time	01:51 h:min	
Standby power input	69.0 W	
Reference hot water temperature	51.3 °C	
Mixed water at 40°C	252 l	



Model: Bosch Compress 6000 AW-13s AWB

Configure model		
Model name	Bosch Compress 6000 AW-13s AWB	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

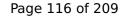
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.86 kW	4.60 kW
El input	1.47 kW	1.79 kW
СОР	4.68	2.56

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	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 = $+7^{\circ}$ 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



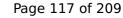


COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.45 kW	8.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4540 kWh	5008 kWh

Warmer Climate

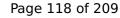
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature





	The state of the s	TR database on 18 Mai 2022
η_{s}	228 %	166 %
Prated	12.10 kW	10.00 kW
SCOP	5.78	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
РСК	o w	o w
Supplementary Heater: Type of energy input	n/a	n/a





Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 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



Page 119 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

	-	
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15 °C (if TOL< -20 °C)	2.44	1.83

Model: Bosch Compress 6000 AW-13s AWM

Configure model		
Model name	Bosch Compress 6000 AW-13s AWM	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

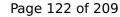
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.86 kW	4.60 kW	
El input	1.47 kW	1.79 kW	
СОР	4.68	2.56	

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	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	



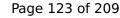


COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.45 kW	8.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4540 kWh	5008 kWh

Warmer Climate

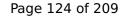
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	26 dB(A)	26 dB(A)	
Sound power level outdoor	55 dB(A)	55 dB(A)	

EN 14825		
	Low temperature	Medium temperature





This information was genera		
η_s	228 %	166 %
Prated	12.10 kW	10.00 kW
Traceu	12.10 KW	10.00 RVV
SCOP	5.78	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
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
	·	·



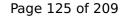


Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

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	
	I		





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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15 °C (if TOL< -20 °C)	2.44	1.83

Domestic Hot Water (DHW)

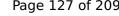


EN 16147		
Declared load profile	L	
Efficiency ηDHW	91 %	
Heating up time	02:18 h:min	
Standby power input	60.0 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	266 I	
СОР	2.13	

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





$$\operatorname{\textit{Page}}\xspace$ 127 of 209 This information was generated by the HP KEYMARK database on 18 Mar 2022

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 Compress 6000 AW-13s AWMS

Configure model		
Model name Bosch Compress 6000 AW-13s AWMS		
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone Colder Climate + Warmer Climate		
Reversibility Yes		
Cooling mode application (optional) n/a		

General Data		
Power supply 3x400V 50Hz		

Heating

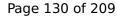
EN 14511-2		
Low temperature Medium temperature		
Heat output	6.86 kW	4.60 kW
El input	1.47 kW	1.79 kW
СОР	4.68	2.56

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	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



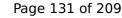


COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.45 kW	8.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4540 kWh	5008 kWh

Warmer Climate

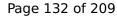
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825			
Low temperature Medium temperature			





This information was genera		
η_s	228 %	166 %
Prated	12.10 kW	10.00 kW
Traceu	12.10 KW	10.00 RVV
SCOP	5.78	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
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
	·	·



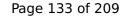


Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

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
	I	





	<u> </u>	
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15°C (if TOL<-20°C)	2.44	1.83

Domestic Hot Water (DHW)

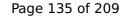


EN 16147		
Declared load profile	L	
Efficiency ηDHW	89 %	
Heating up time	02:21 h:min	
Standby power input	63.0 W	
Reference hot water temperature	51.9 °C	
Mixed water at 40°C	256 I	
СОР	2.09	

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	100 %	
СОР	2.32	
Heating up time	01:48 h:min	
Standby power input	57.0 W	
Reference hot water temperature	51.6 °C	
Mixed water at 40°C	253 I	

Colder Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	80 %	
СОР	1.87	
Heating up time	02:43 h:min	
Standby power input	84.0 W	
Reference hot water temperature	52.3 °C	
Mixed water at 40°C	258 I	



Model: Bosch Compress 6000 AW-13s AWE

Configure model		
Model name	Bosch Compress 6000 AW-13s AWE	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

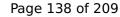
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.86 kW	4.60 kW
El input	1.47 kW	1.79 kW
СОР	4.68	2.56

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	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



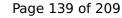


COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.45 kW	8.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4540 kWh	5008 kWh

Warmer Climate

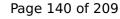
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	55 dB(A)	55 dB(A)	

EN 14825		
	Low temperature	Medium temperature





The same same general	The state of the s	TR database on 18 Mai 2022
η_{s}	228 %	166 %
Prated	12.10 kW	10.00 kW
SCOP	5.78	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
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
РСК	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity





Supplementary Heater: PSUP	0.00 kW	0.00 kW	
Annual energy consumption Qhe	2796 kWh	3154 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
	I	



Page 141 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

	*	
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15 °C (if TOL< -20 °C)	2.44	1.83



Model: Bosch CS7001iAW 13 ORMS-T

Configure model		
Model name	Bosch CS7001iAW 13 ORMS-T	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

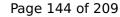
EN 14511-2				
	Low temperature	Medium temperature		
Heat output	5.19 kW	4.62 kW		
El input	1.04 kW	1.62 kW		
СОР	4.98	2.85		

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	26 dB(A)	26 dB(A)		
Sound power level outdoor	53 dB(A)	53 dB(A)		

EN 14825			
	Low temperature	Medium temperature	
η_{s}	178 %	140 %	
Prated	9.97 kW	9.33 kW	
SCOP	4.52	3.58	
Tbiv	-10 °C	-10 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	9.53 kW	8.41 kW	
COP Tj = -7°C	2.95	2.21	
Pdh Tj = +2°C	5.48 kW	4.74 kW	
$COP Tj = +2^{\circ}C$	4.04	3.58	
Pdh Tj = +7°C	3.68 kW	5.12 kW	
$COP Tj = +7^{\circ}C$	6.71	4.54	
Pdh Tj = 12°C	3.11 kW	6.10 kW	
COP Tj = 12°C	7.94	5.66	
Pdh Tj = Tbiv	9.97 kW	9.33 kW	
	1		



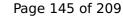


COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4562 kWh	5389 kWh

Warmer Climate

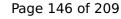
EN 12102-1Low temperatureMedium temperatureSound power level indoor26 dB(A)26 dB(A)Sound power level outdoor53 dB(A)53 dB(A)

EN 14825		
	Low temperature	Medium temperature





		TR database on 18 Mai 2022
η_{s}	249 %	167 %
Prated	11.80 kW	11.43 kW
SCOP	6.30	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.80 kW	11.43 kW
$COP Tj = +2^{\circ}C$	3.04	2.17
Pdh Tj = +7°C	7.62 kW	7.90 kW
$COP Tj = +7^{\circ}C$	5.37	3.61
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	11.80 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
РСК	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity



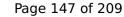


Supplementary Heater: PSUP	0.00 kW	0.00 kW	
Annual energy consumption Qhe	2504 kWh	3603 kWh	

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
ns .	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Гріу	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	2.70
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Pdh Tj = +7°C	5.48 kW	5.19 kW





	<u> </u>	
$COP Tj = +7^{\circ}C$	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15 °C (if TOL< -20 °C)	2.61	1.92

Domestic Hot Water (DHW)

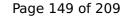


EN 16147		
Declared load profile	L	
Efficiency ηDHW	91 %	
Heating up time	02:15 h:min	
Standby power input	71.0 W	
Reference hot water temperature	52.2 °C	
Mixed water at 40°C	255 I	
СОР	2.11	

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	102 %	
СОР	2.35	
Heating up time	01:51 h:min	
Standby power input	69.0 W	
Reference hot water temperature	51.3 °C	
Mixed water at 40°C	252 I	

Colder Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	75 %	
СОР	1.73	
Heating up time	02:37 h:min	
Standby power input	94.0 W	
Reference hot water temperature	51.3 °C	
Mixed water at 40°C	257 l	



Model: Bosch CS7001iAW 13 ORM-T

Configure model		
Model name	Bosch CS7001iAW 13 ORM-T	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

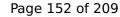
EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.19 kW	4.62 kW
El input	1.04 kW	1.62 kW
СОР	4.98	2.85

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	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = $+7^{\circ}$ C	3.68 kW	5.12 kW
$COP Tj = +7^{\circ}C$	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW



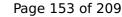


COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4562 kWh	5389 kWh

Warmer Climate

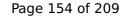
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature





	1.07.04
249 %	167 %
11.00.1.11	11 12 111
11.80 kW	11.43 kW
6.30	4.24
2 °C	2 °C
2 °C	2 °C
11.80 kW	11.43 kW
3.04	2.17
7.62 kW	7.90 kW
5.37	3.61
3.13 kW	6.01 kW
8.25	5.56
11.80 kW	11.43 kW
3.04	2.17
11.80 kW	11.43 kW
3.04	2.17
60 °C	60 °C
20 W	20 W
20 W	20 W
20 W	20 W
o w	0 W
Electricity	Electricity
	11.80 kW 6.30 2 °C 2 °C 11.80 kW 3.04 7.62 kW 5.37 3.13 kW 8.25 11.80 kW 3.04 11.80 kW 3.04 20 W 20 W 20 W



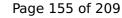


Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh

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}	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	2.70
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Pdh Tj = +7°C	5.48 kW	5.19 kW





$COP Tj = +7^{\circ}C$	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15 °C (if TOL< -20 °C)	2.61	1.92

Domestic Hot Water (DHW)

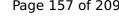


EN 16147		
Declared load profile	L	
Efficiency ηDHW	92 %	
Heating up time	02:12 h:min	
Standby power input	68.0 W	
Reference hot water temperature	53.2 °C	
Mixed water at 40°C	265 I	
СОР	2.15	

Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	111 %	
СОР	2.55	
Heating up time	01:48 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}}\xspace$ 157 of 209 This information was generated by the HP KEYMARK database on 18 Mar 2022

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

Configure model		
Model name	Bosch CS7001iAW 13 ORB-T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2				
Low temperature Medium temperature				
Heat output	5.19 kW	4.62 kW		
El input	1.04 kW	1.62 kW		
СОР	4.98	2.85		

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	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = $+2$ °C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = $+7^{\circ}$ C	3.68 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW



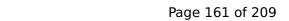


COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4562 kWh	5389 kWh

Warmer Climate

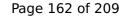
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825			
Low temperature Medium temperature			





249 %	167 %
2.3 %	137 /6
11.80 kW	11.43 kW
6.30	4.24
2 °C	2 °C
2 °C	2 °C
11.80 kW	11.43 kW
3.04	2.17
7.62 kW	7.90 kW
5.37	3.61
3.13 kW	6.01 kW
8.25	5.56
11.80 kW	11.43 kW
3.04	2.17
11.80 kW	11.43 kW
3.04	2.17
60 °C	60 °C
20 W	20 W
20 W	20 W
20 W	20 W
o w	o w
n/a	n/a
	6.30 2 °C 2 °C 11.80 kW 3.04 7.62 kW 5.37 3.13 kW 8.25 11.80 kW 3.04 11.80 kW 20 W 20 W 20 W





Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 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}	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	2.70
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Pdh Tj = +7°C	5.48 kW	5.19 kW



Page 163 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

$COP Tj = +7^{\circ}C$	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92



Model: Bosch CS7001iAW 13 ORE-T

Configure model		
Model name	Bosch CS7001iAW 13 ORE-T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	5.19 kW	4.62 kW	
El input	1.04 kW	1.62 kW	
СОР	4.98	2.85	

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	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = +7°C	3.68 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW



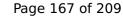


COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4562 kWh	5389 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





249 %	167 %
11.00 LW	11.42.11
11.80 kW	11.43 kW
6.30	4.24
2 °C	2 °C
2 °C	2 °C
11.80 kW	11.43 kW
3.04	2.17
7.62 kW	7.90 kW
5.37	3.61
3.13 kW	6.01 kW
8.25	5.56
11.80 kW	11.43 kW
3.04	2.17
11.80 kW	11.43 kW
3.04	2.17
60 °C	60 °C
20 W	20 W
20 W	20 W
20 W	20 W
o w	o w
Electricity	Electricity
	2 °C 2 °C 11.80 kW 3.04 7.62 kW 5.37 3.13 kW 8.25 11.80 kW 3.04 11.80 kW 3.04 20 W 20 W 20 W





Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 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}	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	2.70
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Pdh Tj = +7°C	5.48 kW	5.19 kW



Page 169 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

$COP Tj = +7^{\circ}C$	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15°C (if TOL<-20°C)	2.61	1.92



Model: Bosch CS7001iAW 13 ORM-S

Configure model		
Model name	Bosch CS7001iAW 13 ORM-S	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

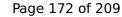
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.86 kW	4.60 kW	
El input	1.47 kW	1.79 kW	
СОР	4.68	2.56	

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	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



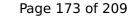


COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.45 kW	8.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4540 kWh	5008 kWh

Colder Climate

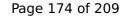
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	165 %	121 %





Prated	9.80 kW	10.60 kW
	3.55	
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
$COP Tj = -7^{\circ}C$	3.56	2.65
Pdh Tj = +2°C	3.66 kW	4.49 kW
$COPTj = +2^{\circ}C$	5.14	3.88
Pdh Tj = $+7^{\circ}$ C	2.82 kW	5.35 kW
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
РСК	0 W	o w



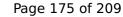


Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.83

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
η_{s}	228 %	166 %
Prated	12.10 kW	10.00 kW
SCOP	5.78	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 = $+7^{\circ}$ 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

Domestic Hot Water (DHW)

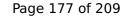


EN 16147		
Declared load profile	L	
Efficiency ηDHW	91 %	
СОР	2.13	
Heating up time	02:18 h:min	
Standby power input	60.0 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	266 I	

Colder Climate

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

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



Model: Bosch CS7001iAW 13 ORMS-S

Configure model		
Model name	Bosch CS7001iAW 13 ORMS-S	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 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

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	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



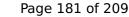


COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.45 kW	8.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4540 kWh	5008 kWh

Colder Climate

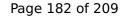
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

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
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W





Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.83

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
η_{s}	228 %	166 %
Prated	12.10 kW	10.00 kW
SCOP	5.78	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 = $+7^{\circ}$ 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh
	-	

Domestic Hot Water (DHW)

Average Climate

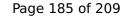


EN 16147		
Declared load profile	L	
Efficiency ηDHW	89 %	
СОР	2.09	
Heating up time	02:21 h:min	
Standby power input	63.0 W	
Reference hot water temperature	51.9 °C	
Mixed water at 40°C	256 I	

Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	80 %	
СОР	1.87	
Heating up time	02:43 h:min	
Standby power input	84.0 W	
Reference hot water temperature	52.3 °C	
Mixed water at 40°C	258 I	

Warmer Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	100 %	
СОР	2.32	
Heating up time	01:48 h:min	
Standby power input	57.0 W	
Reference hot water temperature	51.6 °C	
Mixed water at 40°C	253 I	

Model: Bosch CS7001iAW 13 ORE-S

Configure model		
Model name	Bosch CS7001iAW 13 ORE-S	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 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

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	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



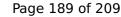


COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.45 kW	8.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4540 kWh	5008 kWh

Colder Climate

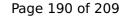
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	55 dB(A)	55 dB(A)	

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
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	o w





Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.83

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
η_{s}	228 %	166 %
Prated	12.10 kW	10.00 kW
SCOP	5.78	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



Page 191 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = $+7^{\circ}$ 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh



Model: Bosch CS7001iAW 13 ORB-S

Configure model		
Model name	Bosch CS7001iAW 13 ORB-S	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 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			

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	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



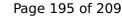


COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.45 kW	8.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	o w	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4540 kWh	5008 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
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W





Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.83

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	
η_{s}	228 %	166 %	
Prated	12.10 kW	10.00 kW	
SCOP	5.78	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	



Page 197 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = $+7^{\circ}$ 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh



Model: Bosch CS7001iAW 13 ORMB-T

Configure model		
Model name	Bosch CS7001iAW 13 ORMB-T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	5.19 kW	4.62 kW	
El input	1.09 kW	1.65 kW	
СОР	4.76	2.80	

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	49 dB(A)	49 dB(A)	
Sound power level outdoor	53 dB(A)	53 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	170 %	137 %
Prated	9.97 kW	9.26 kW
SCOP	4.31	3.49
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
COP Tj = -7°C	2.89	2.18
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	3.88	3.50
Pdh Tj = +7°C	3.68 kW	5.12 kW
COP Tj = +7°C	6.30	4.42
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.35	5.51
Pdh Tj = Tbiv	9.97 kW	9.33 kW





COP Tj = Tbiv	2.54	1.82
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.82
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4776 kWh	5484 kWh

Colder Climate

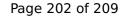
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	49 dB(A)	49 dB(A)	
Sound power level outdoor	53 dB(A)	53 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	145 %	112 %





Prated	9.49 kW	8.88 kW
SCOP	3.71	2.87
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.49	2.65
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	3.95	3.16
Pdh Tj = $+7$ °C	5.48 kW	5.19 kW
COP Tj = +7°C	6.00	4.71
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.04	5.92
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.30	1.70
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.11	1.67
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W





Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.88 kW
Annual energy consumption Qhe	6307 kWh	7636 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.80	7.29
COP Tj = -15°C (if TOL $<$ -20°C)	2.54	1.90

Warmer Climate

EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	49 dB(A)	49 dB(A)	
Sound power level outdoor	53 dB(A)	53 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	233 %	161 %
Prated	11.80 kW	11.43 kW
SCOP	5.90	4.10
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.80 kW	11.43 kW
COP Tj = +2°C	2.98	2.14



Page 203 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = $+7^{\circ}$ C	7.62 kW	7.90 kW
$COP Tj = +7^{\circ}C$	5.11	3.54
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	7.61	5.38
Pdh Tj = Tbiv	11.80 kW	11.43 kW
COP Tj = Tbiv	2.98	2.14
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.98	2.14
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2673 kWh	3720 kWh



Model: Bosch CS7000iAW 13 IRMB-T

Configure model		
Model name Bosch CS7000iAW 13 IRMB-T		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	4.67 kW	4.39 kW	
El input	0.98 kW	1.66 kW	
СОР	4.77	2.64	

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	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	170 %	136 %
Prated	9.97 kW	9.33 kW
SCOP	4.32	3.48
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.14 kW	8.41 kW
COP Tj = -7°C	2.88	2.18
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	3.89	3.50
Pdh Tj = +7°C	3.54 kW	5.12 kW
COP Tj = +7°C	6.30	4.41
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.35	5.47
Pdh Tj = Tbiv	9.97 kW	9.33 kW





COP Tj = Tbiv	2.54	1.82
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.82
WTOL	60 °C	60 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4766 kWh	5534 kWh

Colder Climate

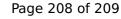
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	50 dB(A)	50 dB(A)	
Sound power level outdoor	37 dB(A)	37 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_s	143 %	111 %





Prated	9.05 kW	9.15 kW
SCOP	3.64	2.84
Tbiv	-17 °C	-16 °C
TOL	-18 °C	-17 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.49	2.66
Pdh Tj = +2°C	5.40 kW	6.86 kW
$COP Tj = +2^{\circ}C$	3.97	3.17
Pdh Tj = +7°C	2.77 kW	5.19 kW
COP Tj = +7°C	5.95	4.72
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.04	5.70
Pdh Tj = Tbiv	7.39 kW	7.71 kW
COP Tj = Tbiv	2.07	1.70
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.18 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.12	1.67
WTOL	60 °C	60 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	12 W	12 W





Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.05 kW	9.15 kW
Annual energy consumption Qhe	6132 kWh	7938 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.80	7.29
COP Tj = -15°C (if TOL $<$ -20°C)	2.54	1.90

Warmer Climate

EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	50 dB(A)	50 dB(A)		
Sound power level outdoor	37 dB(A)	37 dB(A)		

EN 14825				
	Low temperature	Medium temperature		
η_{s}	233 %	158 %		
Prated	10.87 kW	11.43 kW		
SCOP	5.89	4.02		
Tbiv	2 °C	2 °C		
TOL	2 °C	2 °C		
Pdh Tj = +2°C	10.87 kW	11.43 kW		
COP Tj = +2°C	2.98	2.14		



Page 209 of 209

This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = $+7^{\circ}$ C	7.30 kW	7.90 kW
$COP Tj = +7^{\circ}C$	5.10	3.38
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	7.61	5.38
Pdh Tj = Tbiv	10.87 kW	11.43 kW
COP Tj = Tbiv	2.98	2.14
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.87 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.98	2.14
WTOL	60 °C	60 °C
Poff	23 W	23 W
РТО	23 W	23 W
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2466 kWh	3799 kWh