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#### This information was generated by the HP KEYMARK database on 22 Jun 2022

#### **Login**

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Summary of	Bosch Compress 7000iAW 13 OR and IR, Compress 6000 AW-13/s, Bosch CS7001iAW 13	Reg. No.	011- 1W0125
Certificate Hol	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, Bosch CS7001iAW 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
$\eta_{s}$	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
$COPTj = +7^{\circ}C$	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

### Colder Climate

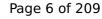
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	50 dB(A)	50 dB(A)	
Sound power level outdoor	37 dB(A)	37 dB(A)	

EN 14825		
Low temperature	Medium temperature	
148 %	113 %	
9.05 kW	9.15 kW	
3.78	2.90	
	Low temperature  148 %  9.05 kW	





	<u> </u>	NK database on 22 juli 202.
Tbiv	-17 °C	-16 °C
TOL	-18 °C	-17 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	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°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
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.05 kW	9.15 kW





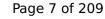
This information was genera	ted by the HP KEYMAI	RK database on 22 Jun 2022

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

# 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
$\eta_{S}$	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
$COP Tj = +7^{\circ}C$	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	4558 kWh	5389 kWh

Domestic Hot Water (DHW)



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 I

## Average Climate





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



# 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

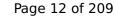
EN 14511-2			
Low temperature Medium temperature			
Heat output	4.67 kW	4.39 kW	
El input	0.93 kW	1.62 kW	
COP	5.00	2 71	

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
$\eta_{s}$	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



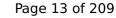


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2308 kWh	3681 kWh

### Colder Climate

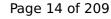
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
Low temperature	Medium temperature	
148 %	113 %	
9.05 kW	9.15 kW	
3.78	2.90	
	Low temperature  148 %  9.05 kW	





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
COP Tj = +2°C	4.12	3.23
Pdh Tj = $+7^{\circ}$ C	2.77 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	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
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.05 kW	9.15 kW



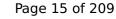


Annual energy consumption Qhe	5895 kWh	7769 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.80	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92

# 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
$\eta_{s}$	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
	3.54 KW	3.12 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	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

Domestic Hot Water (DHW)

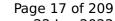


EN 16147	
Declared load profile	L
Efficiency ηDHW	111 %
СОР	2.55
Heating up time	01:49 h:min
Standby power input	66.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	266 I

### Colder Climate

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

## 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



# 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
$\eta_{s}$	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
$COP Tj = +2^{\circ}C$	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



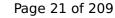


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2308 kWh	3681 kWh

### 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	
148 %	113 %	
9.05 kW	9.15 kW	
3.78	2.90	
	Low temperature  148 %  9.05 kW	





This information was genera	acca by the fit RETIN	THE dutubuse on 22 juil 2022
Tbiv	-17 °C	-16 °C
TOL	-18 °C	-17 °C
Pdh Tj = $-7^{\circ}$ 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
COP Tj = +2°C	4.12	3.23
Pdh Tj = $+7$ °C	2.77 kW	5.19 kW
COP Tj = +7°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
РСК	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	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

# **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
$\eta_{S}$	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



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Pdh Tj = $+7$ °C	3.54 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	4558 kWh	5389 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

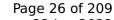
EN 14511-2			
Low temperature Medium temperature			
Heat output	4.67 kW	4.39 kW	
El input	0.93 kW	1.62 kW	
СОР	5.00	2.71	

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
$\eta_{s}$	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
$COP Tj = +2^{\circ}C$	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



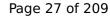


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2308 kWh	3681 kWh

### Colder Climate

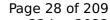
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	50 dB(A)	50 dB(A)	
Sound power level outdoor	37 dB(A)	37 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	148 %	113 %
Prated	9.05 kW	9.15 kW
SCOP	3.78	2.90





This information was genera	<b>,</b>	
Tbiv	-17 °C	-16 °C
TOL	-18 °C	-17 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	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°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
РСК	0 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

# 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
$\eta_{S}$	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



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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	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	4558 kWh	5389 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

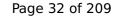
EN 14511-2			
Low temperature Medium temperature			
Heat output	5.19 kW	4.62 kW	
El input	1.04 kW	1.62 kW	
СОР	4.98	2.85	

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
$\eta_{s}$	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



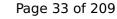


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh

### Colder Climate

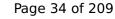
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
Low temperature	Medium temperature	
152 %	114 %	
9.49 kW	8.87 kW	
3.87	2.93	
	Low temperature  152 %  9.49 kW	





This information was gener	ated by the HP KETMA	ikk database on 22 jun 202.
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
$COPTj = +2^{\circ}C$	4.12	3.23
Pdh Tj = $+7^{\circ}$ 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



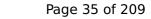


Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92

# Average Climate

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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
$COP Tj = +7^{\circ}C$	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

# Domestic Hot Water (DHW)

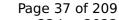


EN 16147	
Declared load profile	L
Efficiency ηDHW	102 %
СОР	2.35
Heating up time	01:51 h:min
Standby power input	69.0 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	252 I

### 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 I

## Average Climate





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	



# 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

## 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
$\eta_{s}$	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 = $+7^{\circ}$ 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



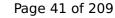


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh

## 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	
152 %	114 %	
9.49 kW	8.87 kW	
3.87	2.93	
	Low temperature  152 %  9.49 kW	





This information was genera	ated by the HI KETMA	TIK database on 22 juli 2022
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
РСК	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.87 kW
	1	





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

# **Average Climate**

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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





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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

# Domestic Hot Water (DHW)

#### Warmer Climate

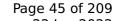


EN 16147	
Declared load profile	L
Efficiency ηDHW	111 %
СОР	2.55
Heating up time	01:48 h:min
Standby power input	66.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	266 I

#### 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

## 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



# 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	

EN 14511-2

## Heating

Heat output

El input

COP

1.04 kW

4.98

Low temperature	Medium temperature
5.19 kW	4.62 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

## 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
$\eta_{s}$	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





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
0.00 kW	0.00 kW
2504 kWh	3603 kWh
	60 °C 20 W 20 W 20 W 0 W n/a 0.00 kW

## Colder Climate

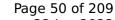
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	53 dB(A)	53 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93





This information was gener		
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 = $+7^{\circ}$ 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
РСК	0 W	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
	1	





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

# **Average Climate**

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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



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3.68 kW	5.12 kW
6.71	4.54
3.11 kW	6.10 kW
7.94	5.66
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
n/a	n/a
0.00 kW	0.00 kW
4562 kWh	5389 kWh
	6.71  3.11 kW  7.94  9.97 kW  2.59  9.97 kW  2.59  1.00  60 °C  20 W  20 W  20 W  0 W  n/a  0.00 kW



# 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

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

## Warmer Climate

4.98



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	
$\eta_{s}$	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 = $+7^{\circ}$ 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	



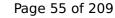


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh

#### Colder Climate

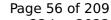
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

Low temperature	Medium temperature
152 %	114 %
9.49 kW	8.87 kW
3.87	2.93
_	152 % 9.49 kW





This information was genera	ated by the HI KETMA	TIK database on 22 juli 2022
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
РСК	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.87 kW
	1	





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

# **Average Climate**

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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



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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
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



# 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	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

## Warmer Climate



Sound power level indoor

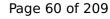
Sound power level outdoor

# This information was generated by the HP KEYMARK database on 22 Jun 2022 EN 12102-1 Low temperature Medium temperature 26 dB(A) 26 dB(A)

55 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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

55 dB(A)



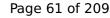


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

## Colder Climate

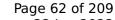
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	26 dB(A)	26 dB(A)	
Sound power level outdoor	55 dB(A)	55 dB(A)	

EN 14825		
Low temperature	Medium temperature	
165 %	121 %	
9.80 kW	10.60 kW	
4.19	3.11	
	Low temperature  165 %  9.80 kW	





	· · · · <b>,</b> · ·	int database on 22 jan 202
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
$COPTj = +7^{\circ}C$	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
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.80 kW	10.60 kW



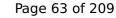


Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.83

# **Average Climate**

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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 = $-7^{\circ}$ 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	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

Domestic Hot Water (DHW)

Warmer Climate

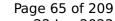


EN 16147		
Declared load profile	L	
Efficiency ηDHW	100 %	
СОР	2.32	
Heating up time	01:48 h:min	
Standby power input	57.0 W	
Reference hot water temperature	51.6 °C	
Mixed water at 40°C	253 I	

## 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	

## 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	



# 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	

## 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
$\eta_{s}$	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



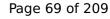


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

## 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
$\eta_{s}$	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
	-	





This information was general	ated by the HI KETMA	NK database on 22 Juli 2022
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
$COPTj = +7^{\circ}C$	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	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.80 kW	10.60 kW



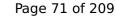


Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.83

# **Average Climate**

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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 = $-7^{\circ}$ 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





This information was gener	acea by the in Reinin	Title database on 22 jun 202
Pdh Tj = $+7$ °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	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

Domestic Hot Water (DHW)

Warmer Climate

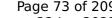


EN 16147		
Declared load profile	L	
Efficiency ηDHW	108 %	
СОР	2.52	
Heating up time	01:46 h:min	
Standby power input	55.0 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	267 I	

#### 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 l	

## Average Climate





# $$\operatorname{\textit{Page}}\xspace$ 73 of 209 This information was generated by the HP KEYMARK database on 22 Jun 2022

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	

# 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

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	

# 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
$\eta_{s}$	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



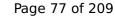


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

# 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
$\eta_{s}$	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
	-	





	<u>,                                      </u>	NK database on 22 juli 202.
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
РСК	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

# **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
$\eta_{S}$	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 = $-7^{\circ}$ 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



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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	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	4540 kWh	5008 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

# 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
$\eta_{s}$	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
$COPTj = +2^{\circ}C$	2.73	2.18
Pdh Tj = $+7$ °C	7.77 kW	6.46 kW
$COPTj = +7^{\circ}C$	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



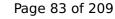


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

# 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
$\eta_{s}$	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
	·	





		NK database on 22 juli 202
Tbiv	-17 °C	-15 °C
TOL	-20 °C	-17 °C
Pdh Tj = -7°C	6.24 kW	6.49 kW
$COPTj = -7^{\circ}C$	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
$COPTj = +7^{\circ}C$	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
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.80 kW	10.60 kW
	1	





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

# **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
$\eta_{S}$	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 = $-7^{\circ}$ 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



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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	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

# **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

4.98

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	
Shatting on the heat transfer medium now	passeu	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

# 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
$\eta_{s}$	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 = $+7^{\circ}$ 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



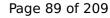


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh

# Colder Climate

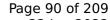
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
Low temperature	Medium temperature	
152 %	114 %	
9.49 kW	8.87 kW	
3.87	2.93	
	Low temperature  152 %  9.49 kW	





This information was genera	ated by the HI KETMA	TIK database on 22 juli 2022
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 = $+7^{\circ}$ 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	0 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	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

# **Average Climate**

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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



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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
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	4562 kWh	5389 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	

# 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	
Shatting on the heat transfer medium now	passeu	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

# Warmer Climate

4.98



# 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
$\eta_{s}$	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
$COPTj = +7^{\circ}C$	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



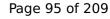


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh

# Colder Climate

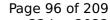
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825	
Low temperature	Medium temperature
152 %	114 %
9.49 kW	8.87 kW
3.87	2.93
	Low temperature  152 %  9.49 kW





This information was general	ated by the HI KETMA	NK database on 22 Juli 2022
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 = $+7^{\circ}$ 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
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.87 kW



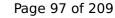


Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15°C (if TOL<-20°C)	2.61	1.92

# **Average Climate**

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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





	•	<u> </u>
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

# Domestic Hot Water (DHW)

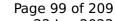
### Warmer Climate

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

# **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

# **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	

# 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	

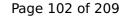
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

# 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
$\eta_{s}$	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
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

### 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)

	Medium temperature
52 %	114 %
.49 kW	8.87 kW
.87	2.93
.8	37





This information was gener		
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
$COPTj = +2^{\circ}C$	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
РСК	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.87 kW
	1	





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

# Average Climate

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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



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The master was general		
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	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	4562 kWh	5389 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

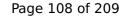
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

# 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)

325	
Low temperature	Medium temperature
249 %	167 %
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
	Low temperature  249 %  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



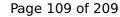


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh

### Colder Climate

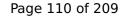
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

Low temperature	Medium temperature
152 %	114 %
9.49 kW	8.87 kW
3.87	2.93





	· · · · <b>,</b> · ·	riik database on 22 jan 202
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 = $+7^{\circ}$ 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
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.87 kW
	•	•



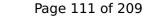


Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92

# Average Climate

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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





This information was general		Tit database on 22 jan 202
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
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

Domestic Hot Water (DHW)

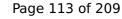


EN 16147	
Declared load profile	L
Efficiency ηDHW	102 %
СОР	2.35
Heating up time	01:51 h:min
Standby power input	69.0 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	252 I

### 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 I	

# Average Climate





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	

# **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	

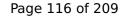
# Heating

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	
$\eta_{s}$	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	
$COPTj = +2^{\circ}C$	2.73	2.18	
Pdh Tj = $+7$ °C	7.77 kW	6.46 kW	
$COPTj = +7^{\circ}C$	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	



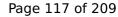


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

## Colder Climate

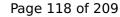
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
Low temperature	Medium temperature	
165 %	121 %	
9.80 kW	10.60 kW	
4.19	3.11	
	Low temperature  165 %  9.80 kW	





This information was genera	ated by the HI KETMA	NK database on 22 Juli 2022
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
PCK	0 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	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

# **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
$\eta_{S}$	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 = $-7^{\circ}$ 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



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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	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	4540 kWh	5008 kWh

# 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

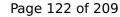
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.86 kW	4.60 kW	
El input	1.47 kW	1.79 kW	
СОР	4.68	2.56	

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
$\eta_{s}$	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
$COPTj = +2^{\circ}C$	2.73	2.18
Pdh Tj = $+7$ °C	7.77 kW	6.46 kW
$COPTj = +7^{\circ}C$	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



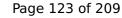


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

## Colder Climate

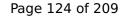
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	26 dB(A)	26 dB(A)	
Sound power level outdoor	55 dB(A)	55 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
	·	





This information was genera	database on 22 jun 202
·	-15 °C
-	-17 °C
Tj = -7°C	6.49 kW
P Tj = -7°C	2.65
Tj = +2°C	4.49 kW
P Tj = +2°C	3.88
Tj = +7°C	5.35 kW
P Tj = +7°C	4.87
Tj = 12°C	6.32 kW
PTj = 12°C	6.09
Tj = Tbiv	8.70 kW
P Tj = Tbiv	1.83
Tj = TOL  or Pdh  Tj = Tdesignh  if  TOL < Tdesignh	8.09 kW
P Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.69
OL	60 °C
F	20 W
)	20 W
3	20 W
<	0 W
plementary Heater: Type of energy input	Electricity
plementary Heater: PSUP	10.60 kW
pplementary Heater: Type of energy input	20 W 0 W Electricity



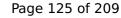


Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.83

# **Average Climate**

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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	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

# Domestic Hot Water (DHW)

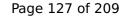


EN 16147		
Declared load profile	L	
Efficiency ηDHW	108 %	
СОР	2.52	
Heating up time	01:46 h:min	
Standby power input	55.0 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	267	

## Colder Climate

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	

# Average Climate





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	

# 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	

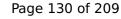
# Heating

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
$\eta_{s}$	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
$COPTj = +2^{\circ}C$	2.73	2.18
Pdh Tj = $+7$ °C	7.77 kW	6.46 kW
$COPTj = +7^{\circ}C$	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



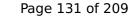


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

## Colder Climate

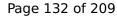
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
Low temperature	Medium temperature	
165 %	121 %	
9.80 kW	10.60 kW	
4.19	3.11	
	Low temperature  165 %  9.80 kW	





This information was general	ated by the HI KETMA	NK database on 22 Juli 2022
Tbiv	-17 °C	-15 °C
TOL	-20 °C	-17 °C
Pdh Tj = $-7^{\circ}$ 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
$COP Tj = +7^{\circ}C$	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	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

# Average Climate

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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





	<u> </u>	<u> </u>
Pdh Tj = $+7$ °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	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

# Domestic Hot Water (DHW)

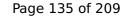


EN 16147		
Declared load profile	L	
Efficiency ηDHW	100 %	
СОР	2.32	
Heating up time	01:48 h:min	
Standby power input	57.0 W	
Reference hot water temperature	51.6 °C	
Mixed water at 40°C	253 I	

### 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	

# 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	

# **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

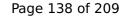
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.86 kW	4.60 kW
El input	1.47 kW	1.79 kW
СОР	4.68	2.56

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
$\eta_{s}$	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
$COP Tj = +2^{\circ}C$	2.73	2.18
Pdh Tj = $+7$ °C	7.77 kW	6.46 kW
$COP Tj = +7^{\circ}C$	4.99	3.73
Pdh Tj = 12°C	3.46 kW	6.17 kW
COP Tj = 12°C	7.51	5.41
Pdh Tj = Tbiv	12.20 kW	10.02 kW
COP Tj = Tbiv	2.73	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW



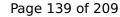


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

### Colder Climate

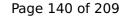
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
	·	





This information was gener	ated by the HP KETMA	irk database on 22 jun 2022
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
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

# 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
$\eta_{S}$	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 = $-7^{\circ}$ 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



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Pdh Tj = +7°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	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

# 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	

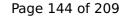
# Heating

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
$\eta_{s}$	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 = $+7^{\circ}$ 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



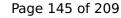


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh

## Colder Climate

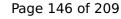
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
Low temperature	Medium temperature	
152 %	114 %	
9.49 kW	8.87 kW	
3.87	2.93	
	Low temperature  152 %  9.49 kW	





	· · · · <b>,</b> · ·	int database on 22 jan 202
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
РСК	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

# **Average Climate**

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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

Domestic Hot Water (DHW)

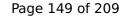


EN 16147		
Declared load profile	L	
Efficiency ηDHW	102 %	
СОР	2.35	
Heating up time	01:51 h:min	
Standby power input	69.0 W	
Reference hot water temperature	51.3 °C	
Mixed water at 40°C	252 I	

## 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 I	

# **Average Climate**





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	



# 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	

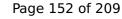
# Heating

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
$\eta_{s}$	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



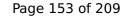


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh

## 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	
152 %	114 %	
9.49 kW	8.87 kW	
3.87	2.93	
	Low temperature  152 %  9.49 kW	





This information was gener	deed by the III RETING	RK database on 22 Jun 202
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 = $+7^{\circ}$ 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	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.87 kW
		I



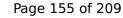


Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.25	1.92
COP Tj = -15°C (if TOL $<$ -20°C)	2.61	1.92

# **Average Climate**

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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	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	4562 kWh	5389 kWh

Domestic Hot Water (DHW)

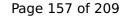


EN 16147		
Declared load profile	L	
Efficiency ηDHW	111 %	
СОР	2.55	
Heating up time	01:48 h:min	
Standby power input	66.0 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	266 I	

## 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	

# 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	



# 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
$\eta_{s}$	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



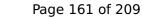


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh

## Colder Climate

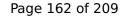
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
Low temperature	Medium temperature	
152 %	114 %	
9.49 kW	8.87 kW	
3.87	2.93	
	Low temperature  152 %  9.49 kW	





This information was genera	ated by the HI KETMA	TIK database on 22 juli 2022
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 = $+7^{\circ}$ 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	0 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	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

# **Average Climate**

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

EN 14825		
	Medium temperature	
$\eta_{S}$	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



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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
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	4562 kWh	5389 kWh

# 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
$\eta_{s}$	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°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



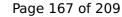


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2504 kWh	3603 kWh

## 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	
152 %	114 %	
9.49 kW	8.87 kW	
3.87	2.93	
	Low temperature  152 %  9.49 kW	





	· · · · <b>,</b> · ·	riik database on 22 jan 202
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 = $+7^{\circ}$ 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
РСК	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

# Average Climate

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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



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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
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



# 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

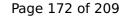
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.86 kW	4.60 kW
El input	1.47 kW	1.79 kW
СОР	4.68	2.56

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
$\eta_{s}$	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
$COPTj = +2^{\circ}C$	2.73	2.18
Pdh Tj = $+7$ °C	7.77 kW	6.46 kW
$COPTj = +7^{\circ}C$	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



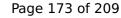


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

## Colder Climate

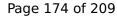
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
	·	





	<u>,                                      </u>	NK database on 22 juli 202
Tbiv	-17 °C	-15 °C
TOL	-20 °C	-17 °C
Pdh Tj = -7°C	6.24 kW	6.49 kW
$COPTj = -7^{\circ}C$	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
$COPTj = +7^{\circ}C$	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
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.80 kW	10.60 kW
	1	



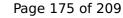


Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.83

# Average Climate

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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 = $-7^{\circ}$ 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





	<u> </u>	<u> </u>
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
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

Domestic Hot Water (DHW)



EN 16147

Declared load profile

Efficiency ηDHW

COP

Heating up time

Standby power input

Standby power input

Reference hot water temperature

Mixed water at 40°C

EN 16147

L

108 %

2.52

01:46 h:min

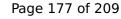
55.0 W

267 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	

## **Average Climate**





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



# 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
$\eta_{s}$	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
$COP Tj = +2^{\circ}C$	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



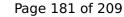


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

### Colder Climate

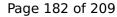
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	26 dB(A)	26 dB(A)	
Sound power level outdoor	55 dB(A)	55 dB(A)	

EN 14825			
Low temperature	Medium temperature		
165 %	121 %		
9.80 kW	10.60 kW		
4.19	3.11		
	Low temperature  165 %  9.80 kW		





This information was genera	database on 22 jun 202
·	-15 °C
-	-17 °C
Tj = -7°C	6.49 kW
P Tj = -7°C	2.65
Tj = +2°C	4.49 kW
P Tj = +2°C	3.88
Tj = +7°C	5.35 kW
P Tj = +7°C	4.87
Tj = 12°C	6.32 kW
PTj = 12°C	6.09
Tj = Tbiv	8.70 kW
P Tj = Tbiv	1.83
Tj = TOL  or Pdh  Tj = Tdesignh  if  TOL < Tdesignh	8.09 kW
P Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.69
OL	60 °C
F	20 W
)	20 W
3	20 W
<	0 W
plementary Heater: Type of energy input	Electricity
plementary Heater: PSUP	10.60 kW
pplementary Heater: Type of energy input	20 W 0 W Electricity



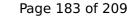


Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.38	1.83
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.83

# **Average Climate**

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	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 = $-7^{\circ}$ 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

Domestic Hot Water (DHW)

Warmer Climate

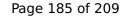


EN 16147		
Declared load profile	L	
Efficiency ηDHW	100 %	
СОР	2.32	
Heating up time	01:48 h:min	
Standby power input	57.0 W	
Reference hot water temperature	51.6 °C	
Mixed water at 40°C	253 I	

### 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	

## 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 l	



# 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

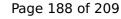
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

### 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
$\eta_{s}$	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



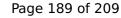


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

### 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
$\eta_{s}$	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
	-	





This information was general	ated by the HI KETMA	NK database on 22 Juli 2022
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°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	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

# 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	
186 %	139 %	
10.40 kW	8.60 kW	
4.73	3.55	
-10 °C	-10 °C	
-10 °C	-10 °C	
10.07 kW	7.72 kW	
2.88	2.28	
5.93 kW	4.45 kW	
4.65	3.53	
	Low temperature  186 %  10.40 kW  4.73  -10 °C  -10 °C  10.07 kW  2.88  5.93 kW	



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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
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



# 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

### 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	
$\eta_{s}$	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	
$COP Tj = +2^{\circ}C$	2.73	2.18	
Pdh Tj = $+7$ °C	7.77 kW	6.46 kW	
$COP Tj = +7^{\circ}C$	4.99	3.73	
Pdh Tj = 12°C	3.46 kW	6.17 kW	
COP Tj = 12°C	7.51	5.41	
Pdh Tj = Tbiv	12.20 kW	10.02 kW	
COP Tj = Tbiv	2.73	2.18	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW	



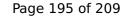


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2796 kWh	3154 kWh

### 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	
165 %	121 %	
9.80 kW	10.60 kW	
4.19	3.11	
	Low temperature  165 %  9.80 kW	





<b>3</b>	,	riik database on 22 jan 202
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
$COPTj = +7^{\circ}C$	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	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

# **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
$\eta_{S}$	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 = $-7^{\circ}$ 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



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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	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4540 kWh	5008 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

### 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
$\eta_{s}$	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
$COP Tj = +2^{\circ}C$	2.98	2.14
Pdh Tj = +7°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
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	2673 kWh	3720 kWh

### Colder Climate

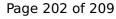
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	49 dB(A)	49 dB(A)	
Sound power level outdoor	53 dB(A)	53 dB(A)	

EN 14825		
Low temperature	Medium temperature	
145 %	112 %	
9.49 kW	8.88 kW	
3.71	2.87	
	Low temperature  145 %  9.49 kW	





This information was genera	ated by the HI KLIMA	TIK database on 22 juli 2022
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
$COP Tj = -7^{\circ}C$	3.49	2.65
Pdh Tj = $+2$ °C	7.25 kW	6.86 kW
COPTj = +2°C	3.95	3.16
Pdh Tj = $+7^{\circ}$ C	5.48 kW	5.19 kW
$COPTj = +7^{\circ}C$	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
РСК	0 W	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.88 kW
	1	





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

# **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
$\eta_{s}$	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



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Pdh Tj = $+7^{\circ}$ 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



# 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	

### 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
$\eta_{s}$	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
$COPTj = +2^{\circ}C$	2.98	2.14
Pdh Tj = $+7$ °C	7.30 kW	7.90 kW
$COPTj = +7^{\circ}C$	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

### Colder Climate

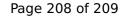
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	50 dB(A)	50 dB(A)	
Sound power level outdoor	37 dB(A)	37 dB(A)	

EN 14825		
Low temperature	Medium temperature	
143 %	111 %	
9.05 kW	9.15 kW	
3.64	2.84	
	Low temperature  143 %  9.05 kW	





This information was gener	aced by the Think	Till database on 22 juli 2022
Tbiv	-17 °C	-16 °C
TOL	-18 °C	-17 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
$COP Tj = -7^{\circ}C$	3.49	2.66
Pdh Tj = $+2$ °C	5.40 kW	6.86 kW
COP Tj = +2°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
РСК	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

# **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		
$\eta_{S}$	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		



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		<u> </u>
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