

#### Login

<u>Logiii</u>			
Summary of	Bosch Compress 7000iAW 5 OR, Compress 6000 AW-5, Bosch CS7001iAW 5	Reg. No.	011- 1W0122
Certificate Holder			
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 5 OR, Compress 6000 AW-5, Bosch CS7001iAW 5		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.7 kg		
Certification Date	18.07.2017		
Testing basis	HP KEYMARK certification scheme rules rev. 8		



# Model: Bosch CS7000iAW 5 ORMS-S

Configure model			
Model name	Bosch CS7000iAW 5 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	2.14 kW	1.88 kW	
El input	0.46 kW	0.72 kW	
COP	4 68	2 60	

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	25 dB(A)	25 dB(A)	
Sound power level outdoor	47 dB(A)	47 dB(A)	

EN 148	EN 14825		
	Low temperature	Medium temperature	
$\eta_{s}$	224 %	161 %	
Prated	5.30 kW	5.60 kW	
SCOP	5.69	4.10	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	5.28 kW	5.65 kW	
COP Tj = +2°C	3.08	2.22	
Pdh Tj = $+7^{\circ}$ C	3.22 kW	3.92 kW	
$COPTj = +7^{\circ}C$	5.31	3.54	
Pdh Tj = 12°C	1.50 kW	2.49 kW	
COP Tj = 12°C	6.79	5.35	
Pdh Tj = Tbiv	5.28 kW	5.65 kW	
COP Tj = Tbiv	3.08	2.22	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.65 kW	





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.08	2.22
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1245 kWh	1823 kWh

## Colder Climate

EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	25 dB(A)	25 dB(A)		
Sound power level outdoor	47 dB(A)	47 dB(A)		

EN 14825		
Low temperature	Medium temperature	
159 %	117 %	
3.90 kW	4.00 kW	
4.04	3.00	
	Low temperature  159 %  3.90 kW	





This information was gener	ated by the Hi KLIMA	INIX database on 22 jun 202
Tbiv	-17 °C	-16 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	2.46 kW	2.32 kW
$COPTj = -7^{\circ}C$	3.56	2.57
Pdh Tj = +2°C	1.48 kW	1.79 kW
$COPTj = +2^{\circ}C$	4.86	3.66
Pdh Tj = $+7^{\circ}$ C	1.13 kW	2.13 kW
$COPTj = +7^{\circ}C$	5.53	4.54
Pdh Tj = 12°C	1.21 kW	2.55 kW
COP Tj = 12°C	5.75	5.82
Pdh Tj = Tbiv	3.43 kW	3.37 kW
COP Tj = Tbiv	2.36	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.08 kW	3.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.61
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.90 kW	4.00 kW





Annual energy consumption Qhe	2378 kWh	3287 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.27	1.88
COP Tj = -15°C (if TOL $<$ -20°C)	2.55	1.88

# **Average Climate**

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	25 dB(A)	25 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	183 %	131 %
Prated	4.40 kW	4.10 kW
SCOP	4.65	3.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.88 kW	3.57 kW
COP Tj = -7°C	3.07	2.16
Pdh Tj = $+2$ °C	2.51 kW	2.34 kW
$COP Tj = +2^{\circ}C$	4.69	3.29





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Pdh Tj = $+7^{\circ}$ C	1.50 kW	2.13 kW
COP Tj = +7°C	5.78	4.29
Pdh Tj = 12°C	1.23 kW	2.52 kW
COP Tj = 12°C	6.13	5.53
Pdh Tj = Tbiv	4.37 kW	4.05 kW
COP Tj = Tbiv	2.76	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.37 kW	4.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1955 kWh	2533 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	119 %	
СОР	2.80	
Heating up time	03:00 h:min	
Standby power input	47.0 W	
Reference hot water temperature	54.2 °C	
Mixed water at 40°C	272	

### Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	81 %	
СОР	1.90	
Heating up time	04:18 h:min	
Standby power input	65.0 W	
Reference hot water temperature	52.4 °C	
Mixed water at 40°C	275	

# **Average Climate**





EN 16147		
Declared load profile	L	
Efficiency ηDHW	96 %	
СОР	2.25	
Heating up time	03:30 h:min	
Standby power input	55.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	272	



# Model: Bosch CS7000iAW 5 ORM-S

Configure model		
Model name	Bosch CS7000iAW 5 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

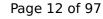
EN 14511-2			
Low temperature Medium temperature			
Heat output	2.14 kW	1.88 kW	
El input	0.46 kW	0.72 kW	
СОР	4.68	2.60	

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	25 dB(A)	25 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	224 %	161 %
Prated	5.30 kW	5.60 kW
SCOP	5.69	4.10
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	5.28 kW	5.65 kW
$COPTj = +2^{\circ}C$	3.08	2.22
Pdh Tj = $+7$ °C	3.22 kW	3.92 kW
$COPTj = +7^{\circ}C$	5.31	3.54
Pdh Tj = 12°C	1.50 kW	2.49 kW
COP Tj = 12°C	6.79	5.35
Pdh Tj = Tbiv	5.28 kW	5.65 kW
COP Tj = Tbiv	3.08	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.65 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.08	2.22
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1245 kWh	1823 kWh

## Colder Climate

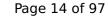
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	25 dB(A)	25 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
Low temperature	Medium temperature	
159 %	117 %	
3.90 kW	4.00 kW	
4.04	3.00	
	Low temperature 159 % 3.90 kW	





rnis information was gene	rated by the HP KETM	ARK database on 22 Jun 202
Tbiv	-17 °C	-16 °C
TOL	-20 °C	-18 °C
Pdh Tj = $-7$ °C	2.46 kW	2.32 kW
COP Tj = -7°C	3.56	2.57
Pdh Tj = $+2$ °C	1.48 kW	1.79 kW
$COPTj = +2^{\circ}C$	4.86	3.66
Pdh Tj = $+7^{\circ}$ C	1.13 kW	2.13 kW
$COPTj = +7^{\circ}C$	5.53	4.54
Pdh Tj = 12°C	1.21 kW	2.55 kW
COP Tj = 12°C	5.75	5.82
Pdh Tj = Tbiv	3.43 kW	3.37 kW
COP Tj = Tbiv	2.36	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.08 kW	3.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.61
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	22 W	22 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.90 kW	4.00 kW





al energy consumption Qhe	2378 kWh	3287 kWh	
This information was generated by the HP KEYMARK database on 22 Jun 202			<u> </u>

Annual energy consumption Qhe	2378 kWh	3287 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.27	1.88
COP Tj = -15°C (if TOL $<$ -20°C)	2.55	1.88

# **Average Climate**

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	25 dB(A)	25 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	183 %	131 %
Prated	4.40 kW	4.10 kW
SCOP	4.65	3.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.88 kW	3.57 kW
COP Tj = -7°C	3.07	2.16
Pdh Tj = $+2^{\circ}$ C	2.51 kW	2.34 kW
COP Tj = +2°C	4.69	3.29





Pdh Tj = $+7$ °C	1.50 kW	2.13 kW
COP Tj = +7°C	5.78	4.29
Pdh Tj = 12°C	1.23 kW	2.52 kW
COP Tj = 12°C	6.13	5.53
Pdh Tj = Tbiv	4.37 kW	4.05 kW
COP Tj = Tbiv	2.76	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.37 kW	4.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1955 kWh	2533 kWh
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Domestic Hot Water (DHW)

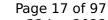


EN 16147	
Declared load profile	L
Efficiency ηDHW	119 %
СОР	2.80
Heating up time	03:00 h:min
Standby power input	47.0 W
Reference hot water temperature	54.2 °C
Mixed water at 40°C	272

## Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	81 %
СОР	1.90
Heating up time	04:18 h:min
Standby power input	65.0 W
Reference hot water temperature	52.4 °C
Mixed water at 40°C	275 I

# **Average Climate**





EN 16147	
Declared load profile	L
Efficiency ηDHW	96 %
СОР	2.25
Heating up time	03:30 h:min
Standby power input	55.0 W
Reference hot water temperature	52.1 °C
Mixed water at 40°C	272



# Model: Bosch CS7000iAW 5 ORB-S

Configure model		
Model name Bosch CS7000iAW 5 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	2.14 kW	1.88 kW
El input	0.46 kW	0.72 kW
СОР	4.68	2.60

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	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	224 %	161 %
Prated	5.30 kW	5.60 kW
SCOP	5.69	4.10
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	5.28 kW	5.65 kW
$COPTj = +2^{\circ}C$	3.08	2.22
Pdh Tj = $+7$ °C	3.22 kW	3.92 kW
$COPTj = +7^{\circ}C$	5.31	3.54
Pdh Tj = 12°C	1.50 kW	2.49 kW
COP Tj = 12°C	6.79	5.35
Pdh Tj = Tbiv	5.28 kW	5.65 kW
COP Tj = Tbiv	3.08	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.65 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.08	2.22
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	o w	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1245 kWh	1823 kWh

## Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
Low temperature	Medium temperature	
159 %	117 %	
3.90 kW	4.00 kW	
4.04	3.00	
	Low temperature 159 % 3.90 kW	





This information was genera	ated by the HE KLIMA	NK database on 22 juli 2022
Tbiv	-17 °C	-16 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	2.46 kW	2.32 kW
$COP Tj = -7^{\circ}C$	3.56	2.57
Pdh Tj = $+2$ °C	1.48 kW	1.79 kW
$COPTj = +2^{\circ}C$	4.86	3.66
Pdh Tj = $+7^{\circ}$ C	1.13 kW	2.13 kW
$COPTj = +7^{\circ}C$	5.53	4.54
Pdh Tj = 12°C	1.21 kW	2.55 kW
COP Tj = 12°C	5.75	5.82
Pdh Tj = Tbiv	3.43 kW	3.37 kW
COP Tj = Tbiv	2.36	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.08 kW	3.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.61
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	2378 kWh	3287 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.27	1.88
COP Tj = -15°C (if TOL $<$ -20°C)	2.55	1.88

# **Average Climate**

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	183 %	131 %
Prated	4.40 kW	4.10 kW
SCOP	4.65	3.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7$ °C	3.88 kW	3.57 kW
COP Tj = -7°C	3.07	2.16
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = $+2$ °C	2.51 kW	2.34 kW





COP Tj = +2°C	4.69	3.29
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	1.50 kW	2.13 kW
$COP Tj = +7^{\circ}C$	5.78	4.29
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.23 kW	2.52 kW
COP Tj = 12°C	6.13	5.53
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	4.37 kW	4.05 kW
COP Tj = Tbiv	2.76	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.37 kW	4.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
РСК	o w	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1955 kWh	2533 kWh



# Model: Bosch CS7000iAW 5 ORE-S

Configure model		
Model name	Bosch CS7000iAW 5 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	2.14 kW	1.88 kW	
El input	0.46 kW	0.72 kW	
СОР	4.68	2.60	

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 29 dB(A) 29 dB(A)

Sound power level outdoor 47 dB(A) 47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	224 %	161 %
Prated	5.30 kW	5.60 kW
SCOP	5.69	4.10
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.28 kW	5.65 kW
COP Tj = +2°C	3.08	2.22
Pdh Tj = $+7^{\circ}$ C	3.22 kW	3.92 kW
COP Tj = +7°C	5.31	3.54
Pdh Tj = 12°C	1.50 kW	2.49 kW
COP Tj = 12°C	6.79	5.35
Pdh Tj = Tbiv	5.28 kW	5.65 kW
COP Tj = Tbiv	3.08	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.65 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.08	2.22
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1245 kWh	1823 kWh

### Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	29 dB(A)	29 dB(A)	
Sound power level outdoor	47 dB(A)	47 dB(A)	

EN 14825		
Low temperature	Medium temperature	
159 %	117 %	
3.90 kW	4.00 kW	
4.04	3.00	
	Low temperature 159 % 3.90 kW	





This information was gener	ated by the HI KLIMA	NK database on 22 Juli 2022
Tbiv	-17 °C	-16 °C
TOL	-20 °C	-18 °C
Pdh Tj = $-7^{\circ}$ C	2.46 kW	2.32 kW
$COP Tj = -7^{\circ}C$	3.56	2.57
Pdh Tj = $+2$ °C	1.48 kW	1.79 kW
COP Tj = +2°C	4.86	3.66
Pdh Tj = $+7^{\circ}$ C	1.13 kW	2.13 kW
$COPTj = +7^{\circ}C$	5.53	4.54
Pdh Tj = 12°C	1.21 kW	2.55 kW
COP Tj = 12°C	5.75	5.82
Pdh Tj = Tbiv	3.43 kW	3.37 kW
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.61
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.90 kW	4.00 kW





Annual energy consumption Qhe	2378 kWh	3287 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.27	1.88
COP Tj = -15°C (if TOL $<$ -20°C)	2.55	1.88

# Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	183 %	131 %
Prated	4.40 kW	4.10 kW
SCOP	4.65	3.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.88 kW	3.57 kW
COP Tj = -7°C	3.07	2.16
Pdh Tj = $+2^{\circ}$ C	2.51 kW	2.34 kW
COP Tj = +2°C	4.69	3.29



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Pdh Tj = $+7^{\circ}$ C	1.50 kW	2.13 kW
COP Tj = +7°C	5.78	4.29
Pdh Tj = 12°C	1.23 kW	2.52 kW
COP Tj = 12°C	6.13	5.53
Pdh Tj = Tbiv	4.37 kW	4.05 kW
COP Tj = Tbiv	2.76	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.37 kW	4.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1955 kWh	2533 kWh

# **Model: Bosch Compress 6000 AW-5 AWE**

Configure model		
Model name	Bosch Compress 6000 AW-5 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

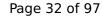
EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.14 kW	1.88 kW
El input	0.46 kW	0.72 kW
СОР	4.68	2.60

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	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	224 %	161 %
Prated	5.30 kW	5.60 kW
SCOP	5.69	4.10
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.28 kW	5.65 kW
COP Tj = +2°C	3.08	2.22
Pdh Tj = $+7^{\circ}$ C	3.22 kW	3.92 kW
$COPTj = +7^{\circ}C$	5.31	3.54
Pdh Tj = 12°C	1.50 kW	2.49 kW
COP Tj = 12°C	6.79	5.35
Pdh Tj = Tbiv	5.28 kW	5.65 kW
COP Tj = Tbiv	3.08	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.65 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.08	2.22
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1245 kWh	1823 kWh

## Colder Climate

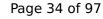
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	159 %	117 %
Prated	3.90 kW	4.00 kW
SCOP	4.04	3.00



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	· · · · <b>,</b> · ·	int database on 22 jan 202
Tbiv	-17 °C	-16 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	2.46 kW	2.32 kW
$COP Tj = -7^{\circ}C$	3.56	2.57
Pdh Tj = +2°C	1.48 kW	1.79 kW
COP Tj = +2°C	4.86	3.66
Pdh Tj = $+7^{\circ}$ C	1.13 kW	2.13 kW
$COPTj = +7^{\circ}C$	5.53	4.54
Pdh Tj = 12°C	1.21 kW	2.55 kW
COP Tj = 12°C	5.75	5.82
Pdh Tj = Tbiv	3.43 kW	3.37 kW
COP Tj = Tbiv	2.36	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.08 kW	3.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.61
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.90 kW	4.00 kW
	1	1





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

Annual energy consumption Qhe	2378 kWh	3287 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.27	1.88
COP Tj = -15°C (if TOL $<$ -20°C)	2.55	1.88

# **Average Climate**

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	183 %	131 %
Prated	4.40 kW	4.10 kW
SCOP	4.65	3.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.88 kW	3.57 kW
COP Tj = -7°C	3.07	2.16
Pdh Tj = $+2$ °C	2.51 kW	2.34 kW
$COP Tj = +2^{\circ}C$	4.69	3.29



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	<u> </u>	
Pdh Tj = $+7^{\circ}$ C	1.50 kW	2.13 kW
$COP Tj = +7^{\circ}C$	5.78	4.29
Pdh Tj = 12°C	1.23 kW	2.52 kW
COP Tj = 12°C	6.13	5.53
Pdh Tj = Tbiv	4.37 kW	4.05 kW
COP Tj = Tbiv	2.76	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.37 kW	4.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1955 kWh	2533 kWh



# **Model: Bosch Compress 6000 AW-5 AWB**

Configure model		
Model name	Bosch Compress 6000 AW-5 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	2.14 kW	1.88 kW
El input	0.46 kW	0.72 kW
СОР	4.68	2.60

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	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	224 %	161 %
Prated	5.30 kW	5.60 kW
SCOP	5.69	4.10
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.28 kW	5.65 kW
COP Tj = +2°C	3.08	2.22
Pdh Tj = $+7^{\circ}$ C	3.22 kW	3.92 kW
$COPTj = +7^{\circ}C$	5.31	3.54
Pdh Tj = 12°C	1.50 kW	2.49 kW
COP Tj = 12°C	6.79	5.35
Pdh Tj = Tbiv	5.28 kW	5.65 kW
COP Tj = Tbiv	3.08	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.65 kW



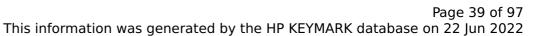


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.08	2.22
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1245 kWh	1823 kWh

### Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
Low temperature	Medium temperature	
159 %	117 %	
3.90 kW	4.00 kW	
4.04	3.00	
	Low temperature  159 %  3.90 kW	





This information was gene	rated by the Till KETI	ANN database on 22 jun 20.
Tbiv	-17 °C	-16 °C
TOL	-20 °C	-18 °C
Pdh Tj = $-7$ °C	2.46 kW	2.32 kW
$COPTj = -7^{\circ}C$	3.56	2.57
Pdh Tj = $+2$ °C	1.48 kW	1.79 kW
COP Tj = +2°C	4.86	3.66
Pdh Tj = $+7^{\circ}$ C	1.13 kW	2.13 kW
$COPTj = +7^{\circ}C$	5.53	4.54
Pdh Tj = 12°C	1.21 kW	2.55 kW
COP Tj = 12°C	5.75	5.82
Pdh Tj = Tbiv	3.43 kW	3.37 kW
COP Tj = Tbiv	2.36	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.08 kW	3.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.61
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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



1.88



This information was generated by the HP KEYMARK database on 22 Jun 202			2
Annual energy consumption Qhe	2378 kWh	3287 kWh	
Pdh Tj = -15°C (if TOL<-20°C)	3.27	1.88	

2.55

# **Average Climate**

COP Tj = -15°C (if TOL<-20°C)

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	183 %	131 %
Prated	4.40 kW	4.10 kW
SCOP	4.65	3.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.88 kW	3.57 kW
COP Tj = -7°C	3.07	2.16
Pdh Tj = $+2$ °C	2.51 kW	2.34 kW
$COP Tj = +2^{\circ}C$	4.69	3.29



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Pdh Tj = +7°C	1.50 kW	2.13 kW
$COP Tj = +7^{\circ}C$	5.78	4.29
Pdh Tj = 12°C	1.23 kW	2.52 kW
COP Tj = 12°C	6.13	5.53
Pdh Tj = Tbiv	4.37 kW	4.05 kW
COP Tj = Tbiv	2.76	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.37 kW	4.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1955 kWh	2533 kWh

# **Model: Bosch Compress 6000 AW-5 AWM**

Configure model	
Model name	Bosch Compress 6000 AW-5 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

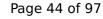
EN 14511-2				
Low temperature Medium temperature				
Heat output	2.14 kW	1.88 kW		
El input	0.46 kW	0.72 kW		
СОР	4.68	2.60		

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	25 dB(A)	25 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	224 %	161 %
Prated	5.30 kW	5.60 kW
SCOP	5.69	4.10
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.28 kW	5.65 kW
COP Tj = +2°C	3.08	2.22
Pdh Tj = $+7^{\circ}$ C	3.22 kW	3.92 kW
$COP Tj = +7^{\circ}C$	5.31	3.54
Pdh Tj = 12°C	1.50 kW	2.49 kW
COP Tj = 12°C	6.79	5.35
Pdh Tj = Tbiv	5.28 kW	5.65 kW
COP Tj = Tbiv	3.08	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.65 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.08	2.22
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1245 kWh	1823 kWh

## Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	25 dB(A)	25 dB(A)	
Sound power level outdoor	47 dB(A)	47 dB(A)	

EN 14825		
Low temperature	Medium temperature	
159 %	117 %	
3.90 kW	4.00 kW	
4.04	3.00	
	Low temperature 159 % 3.90 kW	





		NK database on 22 juli 202
Tbiv	-17 °C	-16 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	2.46 kW	2.32 kW
COP Tj = -7°C	3.56	2.57
Pdh Tj = +2°C	1.48 kW	1.79 kW
$COP Tj = +2^{\circ}C$	4.86	3.66
Pdh Tj = +7°C	1.13 kW	2.13 kW
$COP Tj = +7^{\circ}C$	5.53	4.54
Pdh Tj = 12°C	1.21 kW	2.55 kW
COP Tj = 12°C	5.75	5.82
Pdh Tj = Tbiv	3.43 kW	3.37 kW
COP Tj = Tbiv	2.36	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.08 kW	3.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.61
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.90 kW	4.00 kW





Annual energy consumption Qhe	2378 kWh	3287 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.27	1.88
COP Tj = -15°C (if TOL $<$ -20°C)	2.55	1.88

# **Average Climate**

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	25 dB(A)	25 dB(A)	
Sound power level outdoor	47 dB(A)	47 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	183 %	131 %
Prated	4.40 kW	4.10 kW
SCOP	4.65	3.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.88 kW	3.57 kW
COP Tj = -7°C	3.07	2.16
Pdh Tj = +2°C	2.51 kW	2.34 kW
COP Tj = +2°C	4.69	3.29





	<u> </u>	
Pdh Tj = $+7^{\circ}$ C	1.50 kW	2.13 kW
$COP Tj = +7^{\circ}C$	5.78	4.29
Pdh Tj = 12°C	1.23 kW	2.52 kW
COP Tj = 12°C	6.13	5.53
Pdh Tj = Tbiv	4.37 kW	4.05 kW
COP Tj = Tbiv	2.76	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.37 kW	4.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1955 kWh	2533 kWh

# Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	119 %	
СОР	2.80	
Heating up time	03:00 h:min	
Standby power input	47.0 W	
Reference hot water temperature	54.2 °C	
Mixed water at 40°C	272	

### Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	81 %	
СОР	1.90	
Heating up time	04:18 h:min	
Standby power input	65.0 W	
Reference hot water temperature	52.4 °C	
Mixed water at 40°C	275 I	

# **Average Climate**





EN 16147		
Declared load profile	L	
Efficiency ηDHW	96 %	
СОР	2.25	
Heating up time	03:30 h:min	
Standby power input	55.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	272	

# **Model: Bosch Compress 6000 AW-5 AWMS**

Configure model		
Model name Bosch Compress 6000 AW-5 AWMS		
pplication 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

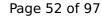
EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.14 kW	1.88 kW
El input	0.46 kW	0.72 kW
СОР	4.68	2.60

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	25 dB(A)	25 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825				
Low temperature Medium temperature				
$\eta_{s}$	224 %	161 %		
Prated	5.30 kW	5.60 kW		
SCOP	5.69	4.10		
Tbiv	2 °C	2 °C		
TOL	2 °C	2 °C		
Pdh Tj = +2°C	5.28 kW	5.65 kW		
$COP Tj = +2^{\circ}C$	3.08	2.22		
Pdh Tj = $+7^{\circ}$ C	3.22 kW	3.92 kW		
$COPTj = +7^{\circ}C$	5.31	3.54		
Pdh Tj = 12°C	1.50 kW	2.49 kW		
COP Tj = 12°C	6.79	5.35		
Pdh Tj = Tbiv	5.28 kW	5.65 kW		
COP Tj = Tbiv	3.08	2.22		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.65 kW		



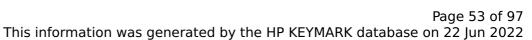


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.08	2.22
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1245 kWh	1823 kWh

### Colder Climate

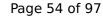
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	25 dB(A)	25 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
Low temperature	Medium temperature	
159 %	117 %	
3.90 kW	4.00 kW	
4.04	3.00	
	Low temperature 159 % 3.90 kW	





rnis information was gene	rated by the HP KETM	ARK database on 22 Jun 202
Tbiv	-17 °C	-16 °C
TOL	-20 °C	-18 °C
Pdh Tj = $-7$ °C	2.46 kW	2.32 kW
COP Tj = -7°C	3.56	2.57
Pdh Tj = $+2$ °C	1.48 kW	1.79 kW
$COPTj = +2^{\circ}C$	4.86	3.66
Pdh Tj = $+7^{\circ}$ C	1.13 kW	2.13 kW
$COPTj = +7^{\circ}C$	5.53	4.54
Pdh Tj = 12°C	1.21 kW	2.55 kW
COP Tj = 12°C	5.75	5.82
Pdh Tj = Tbiv	3.43 kW	3.37 kW
COP Tj = Tbiv	2.36	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.08 kW	3.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.61
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	22 W	22 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.90 kW	4.00 kW





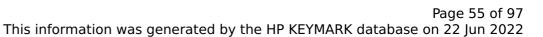
This information was genera	ted by the HP KEYMAI	RK database on 22 Jun 2022	
on Ohe	2378 kWh	3287 kWh	

Annual energy consumption Qhe	2378 kWh	3287 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.27	1.88
COP Tj = -15°C (if TOL $<$ -20°C)	2.55	1.88

# Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	25 dB(A)	25 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	183 %	131 %
Prated	4.40 kW	4.10 kW
SCOP	4.65	3.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.88 kW	3.57 kW
COP Tj = -7°C	3.07	2.16
Pdh Tj = $+2$ °C	2.51 kW	2.34 kW
COP Tj = +2°C	4.69	3.29





Pdh Tj = +7°C	1.50 kW	2.13 kW
$COP Tj = +7^{\circ}C$	5.78	4.29
Pdh Tj = 12°C	1.23 kW	2.52 kW
COP Tj = 12°C	6.13	5.53
Pdh Tj = Tbiv	4.37 kW	4.05 kW
COP Tj = Tbiv	2.76	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.37 kW	4.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1955 kWh	2533 kWh

Domestic Hot Water (DHW)

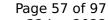


EN 16147	
Declared load profile	L
Efficiency ηDHW	119 %
СОР	2.80
Heating up time	03:00 h:min
Standby power input	47.0 W
Reference hot water temperature	54.2 °C
Mixed water at 40°C	272

### Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	81 %	
СОР	1.90	
Heating up time	04:18 h:min	
Standby power input	65.0 W	
Reference hot water temperature	52.4 °C	
Mixed water at 40°C	275 I	

# **Average Climate**





EN 16147	
Declared load profile	L
Efficiency ηDHW	96 %
СОР	2.25
Heating up time	03:30 h:min
Standby power input	55.0 W
Reference hot water temperature	52.1 °C
Mixed water at 40°C	272



# Model: Bosch CS7001iAW 5 ORE-S

Configure model		
Model name	Bosch CS7001iAW 5 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		Medium temperature
Heat output	2.14 kW	1.88 kW
El input	0.46 kW	0.72 kW
СОР	4.68	2.60

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	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	224 %	161 %
Prated	5.30 kW	5.60 kW
SCOP	5.69	4.10
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.28 kW	5.65 kW
COP Tj = +2°C	3.08	2.22
Pdh Tj = $+7^{\circ}$ C	3.22 kW	3.92 kW
$COPTj = +7^{\circ}C$	5.31	3.54
Pdh Tj = 12°C	1.50 kW	2.49 kW
COP Tj = 12°C	6.79	5.35
Pdh Tj = Tbiv	5.28 kW	5.65 kW
COP Tj = Tbiv	3.08	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.65 kW



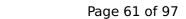


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.08	2.22
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1245 kWh	1823 kWh

### Colder Climate

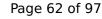
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	29 dB(A)	29 dB(A)	
Sound power level outdoor	47 dB(A)	47 dB(A)	

EN 14825		
Low temperature	Medium temperature	
159 %	117 %	
3.90 kW	4.00 kW	
4.04	3.00	
	Low temperature 159 % 3.90 kW	





		NK database on 22 juli 202
Tbiv	-17 °C	-16 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	2.46 kW	2.32 kW
COP Tj = -7°C	3.56	2.57
Pdh Tj = +2°C	1.48 kW	1.79 kW
COP Tj = +2°C	4.86	3.66
Pdh Tj = +7°C	1.13 kW	2.13 kW
$COP Tj = +7^{\circ}C$	5.53	4.54
Pdh Tj = 12°C	1.21 kW	2.55 kW
COP Tj = 12°C	5.75	5.82
Pdh Tj = Tbiv	3.43 kW	3.37 kW
COP Tj = Tbiv	2.36	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.08 kW	3.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.61
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.90 kW	4.00 kW





This information was genera	ated by the HP KEYMARK	database on 22 Jun 2022

Annual energy consumption Qhe	2378 kWh	3287 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.27	1.88
COP Tj = -15°C (if TOL $<$ -20°C)	2.55	1.88

# Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	183 %	131 %
Prated	4.40 kW	4.10 kW
SCOP	4.65	3.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.88 kW	3.57 kW
COP Tj = -7°C	3.07	2.16
Pdh Tj = $+2$ °C	2.51 kW	2.34 kW
COP Tj = +2°C	4.69	3.29



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	<u> </u>	
Pdh Tj = $+7^{\circ}$ C	1.50 kW	2.13 kW
$COP Tj = +7^{\circ}C$	5.78	4.29
Pdh Tj = 12°C	1.23 kW	2.52 kW
COP Tj = 12°C	6.13	5.53
Pdh Tj = Tbiv	4.37 kW	4.05 kW
COP Tj = Tbiv	2.76	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.37 kW	4.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1955 kWh	2533 kWh



# Model: Bosch CS7001iAW 5 ORB-S

Configure model		
Model name	Bosch CS7001iAW 5 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	2.14 kW	1.88 kW		
El input	0.46 kW	0.72 kW		
СОР	4.68	2.60		

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	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	224 %	161 %
Prated	5.30 kW	5.60 kW
SCOP	5.69	4.10
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	5.28 kW	5.65 kW
$COPTj = +2^{\circ}C$	3.08	2.22
Pdh Tj = $+7$ °C	3.22 kW	3.92 kW
$COPTj = +7^{\circ}C$	5.31	3.54
Pdh Tj = 12°C	1.50 kW	2.49 kW
COP Tj = 12°C	6.79	5.35
Pdh Tj = Tbiv	5.28 kW	5.65 kW
COP Tj = Tbiv	3.08	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.65 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.08	2.22
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1245 kWh	1823 kWh

### Colder Climate

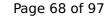
EN 12102-1				
Low temperature Medium temperature				
Sound power level indoor	29 dB(A)	29 dB(A)		
Sound power level outdoor	47 dB(A)	47 dB(A)		

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	159 %	117 %
Prated	3.90 kW	4.00 kW
SCOP	4.04	3.00





This information was genera	acca by the fit RETIN	Till database on 22 juli 2022
Tbiv	-17 °C	-16 °C
TOL	-20 °C	-18 °C
Pdh Tj = $-7^{\circ}$ C	2.46 kW	2.32 kW
$COP Tj = -7^{\circ}C$	3.56	2.57
Pdh Tj = $+2$ °C	1.48 kW	1.79 kW
COP Tj = +2°C	4.86	3.66
Pdh Tj = +7°C	1.13 kW	2.13 kW
COP Tj = +7°C	5.53	4.54
Pdh Tj = 12°C	1.21 kW	2.55 kW
COP Tj = 12°C	5.75	5.82
Pdh Tj = Tbiv	3.43 kW	3.37 kW
COP Tj = Tbiv	2.36	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.08 kW	3.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.61
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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
	1	





This information was generated by the HP REYMARK database on 22 Jun 2022				
nsumption Qhe	2378 kWh	3287 kWh		

Annual energy consumption Qhe	2378 kWh	3287 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.27	1.88
COP Tj = -15°C (if TOL $<$ -20°C)	2.55	1.88

# Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	183 %	131 %
Prated	4.40 kW	4.10 kW
SCOP	4.65	3.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.88 kW	3.57 kW
COP Tj = -7°C	3.07	2.16
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = $+2$ °C	2.51 kW	2.34 kW





COP Tj = +2°C	4.69	3.29
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	1.50 kW	2.13 kW
$COP Tj = +7^{\circ}C$	5.78	4.29
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.23 kW	2.52 kW
COP Tj = 12°C	6.13	5.53
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	4.37 kW	4.05 kW
COP Tj = Tbiv	2.76	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.37 kW	4.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
РСК	o w	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1955 kWh	2533 kWh

# Model: Bosch CS7001iAW 5 ORM-S

Configure model		
Model name	Bosch CS7001iAW 5 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

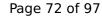
EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.14 kW	1.88 kW
El input	0.46 kW	0.72 kW
СОР	4.68	2.60

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	25 dB(A)	25 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	224 %	161 %
Prated	5.30 kW	5.60 kW
SCOP	5.69	4.10
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	5.28 kW	5.65 kW
$COPTj = +2^{\circ}C$	3.08	2.22
Pdh Tj = $+7$ °C	3.22 kW	3.92 kW
$COPTj = +7^{\circ}C$	5.31	3.54
Pdh Tj = 12°C	1.50 kW	2.49 kW
COP Tj = 12°C	6.79	5.35
Pdh Tj = Tbiv	5.28 kW	5.65 kW
COP Tj = Tbiv	3.08	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.65 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.08	2.22
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1245 kWh	1823 kWh

## Colder Climate

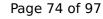
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	25 dB(A)	25 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	159 %	117 %
Prated	3.90 kW	4.00 kW
SCOP	4.04	3.00
	-	





This information was gene	rated by the HP KEY	MARK database on 22 Jun 202
Tbiv	-17 °C	-16 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	2.46 kW	2.32 kW
COP Tj = $-7^{\circ}$ C	3.56	2.57
Pdh Tj = +2°C	1.48 kW	1.79 kW
COP Tj = +2°C	4.86	3.66
Pdh Tj = +7°C	1.13 kW	2.13 kW
$COPTj = +7^{\circ}C$	5.53	4.54
Pdh Tj = 12°C	1.21 kW	2.55 kW
COP Tj = 12°C	5.75	5.82
Pdh Tj = Tbiv	3.43 kW	3.37 kW
COP Tj = Tbiv	2.36	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.08 kW	3.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.61
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.90 kW	4.00 kW





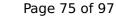
This information was genera	ted by the HP KEYMAR	K database on 22 Jun 2022

Annual energy consumption Qhe	2378 kWh	3287 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.27	1.88
COP Tj = -15°C (if TOL $<$ -20°C)	2.55	1.88

# **Average Climate**

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	25 dB(A)	25 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{S}$	183 %	131 %
Prated	4.40 kW	4.10 kW
SCOP	4.65	3.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.88 kW	3.57 kW
COP Tj = -7°C	3.07	2.16
Pdh Tj = +2°C	2.51 kW	2.34 kW
COP Tj = +2°C	4.69	3.29





		· · · · · · · · · · · · · · · · · · ·
Pdh Tj = $+7$ °C	1.50 kW	2.13 kW
$COP Tj = +7^{\circ}C$	5.78	4.29
Pdh Tj = 12°C	1.23 kW	2.52 kW
COP Tj = 12°C	6.13	5.53
Pdh Tj = Tbiv	4.37 kW	4.05 kW
COP Tj = Tbiv	2.76	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.37 kW	4.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	22 W	22 W
PSB	17 W	17 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	1955 kWh	2533 kWh

Domestic Hot Water (DHW)

272 I

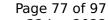


#### Colder Climate

Mixed water at 40°C

EN 16147		
Declared load profile	L	
Efficiency ηDHW	81 %	
СОР	1.90	
Heating up time	04:18 h:min	
Standby power input	65.0 W	
Reference hot water temperature	52.4 °C	
Mixed water at 40°C	275 I	

## **Average Climate**





EN 16147		
Declared load profile	L	
Efficiency ηDHW	96 %	
СОР	2.25	
Heating up time	03:30 h:min	
Standby power input	55.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	272	



# Model: Bosch CS7001iAW 5 ORMS-S

Configure model		
Model name	Bosch CS7001iAW 5 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	2.14 kW	1.88 kW
El input	0.46 kW	0.72 kW
СОР	4.68	2.60

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	25 dB(A)	25 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	224 %	161 %
Prated	5.30 kW	5.60 kW
SCOP	5.69	4.10
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	5.28 kW	5.65 kW
$COPTj = +2^{\circ}C$	3.08	2.22
Pdh Tj = $+7$ °C	3.22 kW	3.92 kW
$COPTj = +7^{\circ}C$	5.31	3.54
Pdh Tj = 12°C	1.50 kW	2.49 kW
COP Tj = 12°C	6.79	5.35
Pdh Tj = Tbiv	5.28 kW	5.65 kW
COP Tj = Tbiv	3.08	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.65 kW



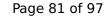


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.08	2.22
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1245 kWh	1823 kWh

#### Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	25 dB(A)	25 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	159 %	117 %
Prated	3.90 kW	4.00 kW
SCOP	4.04	3.00





		NK database on 22 juli 202
Tbiv	-17 °C	-16 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	2.46 kW	2.32 kW
COP Tj = -7°C	3.56	2.57
Pdh Tj = +2°C	1.48 kW	1.79 kW
$COP Tj = +2^{\circ}C$	4.86	3.66
Pdh Tj = +7°C	1.13 kW	2.13 kW
$COP Tj = +7^{\circ}C$	5.53	4.54
Pdh Tj = 12°C	1.21 kW	2.55 kW
COP Tj = 12°C	5.75	5.82
Pdh Tj = Tbiv	3.43 kW	3.37 kW
COP Tj = Tbiv	2.36	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.08 kW	3.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.61
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.90 kW	4.00 kW





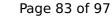
This information was generated by the HP KEYMARK database on 22 Jun 2022					
www.tiam.Oba	2270 144/6	2207 144/6			

Annual energy consumption Qhe	2378 kWh	3287 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.27	1.88
COP Tj = -15°C (if TOL $<$ -20°C)	2.55	1.88

# **Average Climate**

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	25 dB(A)	25 dB(A)	
Sound power level outdoor	47 dB(A)	47 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	183 %	131 %
Prated	4.40 kW	4.10 kW
SCOP	4.65	3.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.88 kW	3.57 kW
COP Tj = -7°C	3.07	2.16
Pdh Tj = $+2^{\circ}$ C	2.51 kW	2.34 kW
COP Tj = +2°C	4.69	3.29





	<u> </u>	
Pdh Tj = $+7^{\circ}$ C	1.50 kW	2.13 kW
$COP Tj = +7^{\circ}C$	5.78	4.29
Pdh Tj = 12°C	1.23 kW	2.52 kW
COP Tj = 12°C	6.13	5.53
Pdh Tj = Tbiv	4.37 kW	4.05 kW
COP Tj = Tbiv	2.76	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.37 kW	4.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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	1955 kWh	2533 kWh

Domestic Hot Water (DHW)

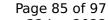


EN 16147		
Declared load profile	L	
Efficiency ηDHW	119 %	
СОР	2.80	
Heating up time	03:00 h:min	
Standby power input	47.0 W	
Reference hot water temperature	54.2 °C	
Mixed water at 40°C	272 I	

## Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	81 %	
СОР	1.90	
Heating up time	04:18 h:min	
Standby power input	65.0 W	
Reference hot water temperature	52.4 °C	
Mixed water at 40°C	275 I	

# **Average Climate**





EN 16147		
Declared load profile	L	
Efficiency ηDHW	96 %	
СОР	2.25	
Heating up time	03:30 h:min	
Standby power input	55.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	272	



# Model: Bosch CSH7000iAW 5 OR

Configure model		
Model name Bosch CSH7000iAW 5 OR		
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

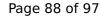
EN 14511-2			
Low temperature Medium temperature			
Heat output	2.14 kW	1.88 kW	
El input	0.46 kW	0.72 kW	
COP	4.68	2.60	

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	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	224 %	161 %
Prated	5.30 kW	5.60 kW
SCOP	5.69	4.10
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	5.28 kW	5.65 kW
$COP Tj = +2^{\circ}C$	3.08	2.22
Pdh Tj = $+7^{\circ}$ C	3.22 kW	3.92 kW
$COP Tj = +7^{\circ}C$	5.31	3.54
Pdh Tj = 12°C	1.50 kW	2.49 kW
COP Tj = 12°C	6.79	5.35
Pdh Tj = Tbiv	5.28 kW	5.65 kW
COP Tj = Tbiv	3.08	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.65 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.08	2.22
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	22 W	22 W
PSB	17 W	17 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	1245 kWh	1823 kWh

## Colder Climate

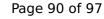
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
Low temperature	Medium temperature	
159 %	117 %	
3.90 kW	4.00 kW	
4.04	3.00	
	Low temperature 159 % 3.90 kW	





This information was genera	acca by the fit RETIN	Till database on 22 juli 2022
Tbiv	-17 °C	-16 °C
TOL	-20 °C	-18 °C
Pdh Tj = $-7^{\circ}$ C	2.46 kW	2.32 kW
$COP Tj = -7^{\circ}C$	3.56	2.57
Pdh Tj = $+2$ °C	1.48 kW	1.79 kW
COP Tj = +2°C	4.86	3.66
Pdh Tj = +7°C	1.13 kW	2.13 kW
COP Tj = +7°C	5.53	4.54
Pdh Tj = 12°C	1.21 kW	2.55 kW
COP Tj = 12°C	5.75	5.82
Pdh Tj = Tbiv	3.43 kW	3.37 kW
COP Tj = Tbiv	2.36	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.08 kW	3.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.61
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 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
	1	





Annual energy consumption Qhe	2378 kWh	3287 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.27	1.88
COP Tj = -15°C (if TOL $<$ -20°C)	2.55	1.88

# Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	183 %	131 %
Prated	4.40 kW	4.10 kW
SCOP	4.65	3.34
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.88 kW	3.57 kW
COP Tj = -7°C	3.07	2.16
Pdh Tj = $+2^{\circ}$ C	2.51 kW	2.34 kW
COP Tj = +2°C	4.69	3.29



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1.50 kW	2.13 kW
1	
5.78	4.29
1.23 kW	2.52 kW
6.13	5.53
4.37 kW	4.05 kW
2.76	1.85
4.37 kW	4.05 kW
2.76	1.85
60 °C	60 °C
17 W	17 W
22 W	22 W
17 W	17 W
0 W	0 W
n/a	n/a
0.00 kW	0.00 kW
1955 kWh	2533 kWh
	1.23 kW 6.13 4.37 kW 2.76 4.37 kW 2.76 60 °C 17 W 22 W 17 W 0 W n/a 0.00 kW



# Model: Bosch CS7001iAW 5 ORMB-S

Configure model		
Model name	Bosch CS7001iAW 5 ORMB-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

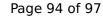
EN 14511-2			
Low temperature Medium temperature			
Heat output	2.14 kW	1.88 kW	
El input	0.48 kW	0.75 kW	
COP	4 44	2 52	

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	49 dB(A)	49 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	208 %	153 %
Prated	5.30 kW	5.60 kW
SCOP	5.28	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	5.28 kW	5.65 kW
$COPTj = +2^{\circ}C$	2.98	2.19
Pdh Tj = $+7$ °C	3.22 kW	3.92 kW
$COPTj = +7^{\circ}C$	5.01	3.45
Pdh Tj = 12°C	1.50 kW	2.49 kW
COP Tj = 12°C	6.19	5.05
Pdh Tj = Tbiv	5.28 kW	5.65 kW
COP Tj = Tbiv	2.98	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.28 kW	5.65 kW





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

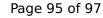
= Tdesignh if TOL < Tdesignh 2.98 2.19

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.98	2.19
WTOL	60 °C	60 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1341 kWh	1918 kWh

## Colder Climate

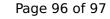
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
Low temperature	Medium temperature	
150 %	112 %	
3.90 kW	4.00 kW	
3.83	2.87	
	Low temperature  150 %  3.90 kW	





This information was genera	<u>,                                      </u>	
Tbiv	-17 °C	-16 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	2.46 kW	2.32 kW
COP Tj = -7°C	3.43	2.52
Pdh Tj = $+2$ °C	1.48 kW	1.79 kW
COP Tj = +2°C	4.59	3.51
Pdh Tj = $+7^{\circ}$ C	1.13 kW	2.13 kW
COP Tj = +7°C	5.13	4.33
Pdh Tj = 12°C	1.21 kW	2.55 kW
COP Tj = 12°C	5.24	5.51
Pdh Tj = Tbiv	3.43 kW	3.37 kW
COP Tj = Tbiv	2.31	1.76
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.08 kW	3.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.12	1.59
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
РСК	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.90 kW	4.00 kW
	•	



1.85



This information was generated by the HP KEYMARK database on 22 Jun 2022			<u> </u>
Annual energy consumption Qhe	2511 kWh	3430 kWh	
Pdh Tj = -15°C (if TOL<-20°C)	3.27	3.29	

2.49

## **Average Climate**

COP Tj = -15°C (if TOL<-20°C)

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	172 %	125 %
Prated	4.40 kW	4.10 kW
SCOP	4.39	3.20
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.88 kW	3.57 kW
COP Tj = -7°C	2.99	2.13
Pdh Tj = +2°C	2.51 kW	2.34 kW
COP Tj = +2°C	4.50	3.20
		·



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Pdh Tj = $+7^{\circ}$ C	1.50 kW	2.13 kW
COP Tj = +7°C	5.32	4.08
Pdh Tj = 12°C	1.23 kW	2.52 kW
COP Tj = 12°C	5.57	5.22
Pdh Tj = Tbiv	4.37 kW	4.05 kW
COP Tj = Tbiv	2.70	1.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.37 kW	4.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.70	1.83
WTOL	60 °C	60 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2072 kWh	2647 kWh