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

#### **Login**

Summary of	Bosch Compress 7000iAW 17 OR and IR, Compress 6000 AW-17, Bosch CS7001iAW 17	Reg. No.	011- 1W0126
Certificate Hold	der		'
Name	Bosch Thermotechnik GmbH		
Address	Junkersstraße 20 - 24	Zip	73249
City	Wernau	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH	'	1
Subtype title	Bosch Compress 7000iAW 17 OR and IR, Compress 6000 AW-17, Bosch CS7001iAW 17		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	4 kg		
Certification Date	18.07.2017		
Testing basis	HP KEYMARK certification scheme rules rev. 8		



## Model: Bosch CS7000iAW 17 IRMS-T

Configure model			
Model name	Bosch CS7000iAW 17 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	5.08 kW	4.10 kW		
El input	1.04 kW	1.63 kW		
СОР	4.90	2.51		

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	51 dB(A)	51 dB(A)	
Sound power level outdoor	37 dB(A)	37 dB(A)	

EN 14825			
	Low temperature	Medium temperature	
$\eta_{s}$	194 %	140 %	
Prated	12.13 kW	10.00 kW	
SCOP	4.92	3.56	
Tbiv	-10 °C	-10 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	10.89 kW	8.44 kW	
COP Tj = -7°C	2.98	2.25	
Pdh Tj = +2°C	6.78 kW	5.45 kW	
COP Tj = +2°C	4.91	3.56	
Pdh Tj = $+7^{\circ}$ C	4.05 kW	4.98 kW	
COP Tj = +7°C	6.33	4.44	
Pdh Tj = 12°C	3.00 kW	5.93 kW	
COP Tj = 12°C	7.60	5.76	
Pdh Tj = Tbiv	12.13 kW	10.00 kW	





COP Tj = Tbiv	2.56	1.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.13 kW	10.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	23 W	23 W
PSB	22 W	22 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	5090 kWh	5794 kWh

### Colder Climate

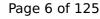
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	51 dB(A)	51 dB(A)	
Sound power level outdoor	37 dB(A)	37 dB(A)	

EN 14825		
	Low temperature	Medium temperature





This information was genera	ited by the HEREIMAI	N database on 10 Mai 2022
$\eta_{s}$	170 %	123 %
Prated	10.00 kW	9.40 kW
SCOP	4.33	3.16
Tbiv	-17 °C	-17 °C
TOL	-18 °C	-17 °C
Pdh Tj = $-7$ °C	6.09 kW	5.63 kW
COP Tj = -7°C	3.68	2.71
Pdh Tj = +2°C	3.66 kW	4.40 kW
COP Tj = +2°C	5.48	3.89
Pdh Tj = $+7^{\circ}$ C	2.70 kW	5.06 kW
$COP Tj = +7^{\circ}C$	6.48	4.75
Pdh Tj = 12°C	6.23 kW	5.98 kW
COP Tj = 12°C	7.42	5.99
Pdh Tj = Tbiv	8.29 kW	8.23 kW
COP Tj = Tbiv	2.52	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.64 kW	8.23 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.80
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	23 W	23 W
PSB	22 W	22 W
	<del>'</del>	<u>'</u>



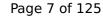


PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	10.00 kW	9.40 kW
Annual energy consumption Qhe	5697 kWh	7343 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.01	2.01
COP Tj = -15°C (if TOL $<$ -20°C)	2.72	2.01

### Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	51 dB(A)	51 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
Low temperature Medium t		
$\eta_{s}$	242 %	166 %
Prated	13.44 kW	12.41 kW
SCOP	6.12	4.23
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	13.44 kW	12.41 kW





This information was genera	ted by the fill RETINA	tit database on 10 Mai 202
COP Tj = +2°C	2.86	2.21
Pdh Tj = +7°C	8.54 kW	8.58 kW
$COPTj = +7^{\circ}C$	5.31	3.64
Pdh Tj = 12°C	4.07 kW	5.86 kW
COP Tj = 12°C	7.94	5.48
Pdh Tj = Tbiv	13.44 kW	12.41 kW
COP Tj = Tbiv	2.86	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.44 kW	12.41 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	2.21
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	23 W	23 W
PSB	22 W	22 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	2931 kWh	3916 kWh

## Domestic Hot Water (DHW)



EN 16147	
Declared load profile	L
Efficiency ηDHW	89 %
СОР	2.08
Heating up time	02:27 h:min
Standby power input	67.0 W
Reference hot water temperature	51.8 °C
Mixed water at 40°C	259 I

### Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	77 %
СОР	1.78
Heating up time	02:51 h:min
Standby power input	92.0 W
Reference hot water temperature	52.3 °C
Mixed water at 40°C	260 I

### Warmer Climate





EN 16147	
Declared load profile	L
Efficiency ηDHW	99 %
СОР	2.30
Heating up time	01:59 h:min
Standby power input	61.0 W
Reference hot water temperature	51.4 °C
Mixed water at 40°C	252 l



## Model: Bosch CS7000iAW 17 IRM-T

Configure model		
Model name	Bosch CS7000iAW 17 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

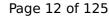
EN 14511-2		
Low temperature Medium temperature		
Heat output	5.08 kW	4.10 kW
El input	1.04 kW	1.63 kW
СОР	4.90	2.51

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	51 dB(A)	51 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	194 %	140 %
Prated	12.13 kW	10.00 kW
SCOP	4.92	3.56
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.89 kW	8.44 kW
COP Tj = -7°C	2.98	2.25
Pdh Tj = +2°C	6.78 kW	5.45 kW
COP Tj = +2°C	4.91	3.56
Pdh Tj = $+7^{\circ}$ C	4.05 kW	4.98 kW
COP Tj = +7°C	6.33	4.44
Pdh Tj = 12°C	3.00 kW	5.93 kW
COP Tj = 12°C	7.60	5.76
Pdh Tj = Tbiv	12.13 kW	10.00 kW



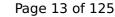


COP Tj = Tbiv	2.56	1.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.13 kW	10.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	23 W	23 W
PSB	22 W	22 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5090 kWh	5794 kWh

### Colder Climate

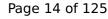
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	51 dB(A)	51 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	Low temperature	Medium temperature





$\eta_{s}$	170 %	123 %
Prated	10.00 kW	9.40 kW
SCOP	4.33	3.16
Tbiv	-17 °C	-17 °C
TOL	-18 °C	-17 °C
Pdh Tj = -7°C	6.09 kW	5.63 kW
COP Tj = -7°C	3.68	2.71
Pdh Tj = +2°C	3.66 kW	4.40 kW
COP Tj = +2°C	5.48	3.89
Pdh Tj = +7°C	2.70 kW	5.06 kW
COP Tj = +7°C	6.48	4.75
Pdh Tj = 12°C	6.23 kW	5.98 kW
COP Tj = 12°C	7.42	5.99
Pdh Tj = Tbiv	8.29 kW	8.23 kW
COP Tj = Tbiv	2.52	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.64 kW	8.23 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.80
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	23 W	23 W
PSB	22 W	22 W
	1	



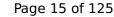


PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	10.00 kW	9.40 kW
Annual energy consumption Qhe	5697 kWh	7343 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.01	2.01
COP Tj = -15°C (if TOL $<$ -20°C)	2.72	2.01

### Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	51 dB(A)	51 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	242 %	166 %
Prated	13.44 kW	12.41 kW
SCOP	6.12	4.23
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	13.44 kW	12.41 kW





COP Tj = +2°C	2.86	2.21
Pdh Tj = $+7^{\circ}$ C	8.54 kW	8.58 kW
$COP Tj = +7^{\circ}C$	5.31	3.64
Pdh Tj = 12°C	4.07 kW	5.86 kW
COP Tj = 12°C	7.94	5.48
Pdh Tj = Tbiv	13.44 kW	12.41 kW
COP Tj = Tbiv	2.86	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.44 kW	12.41 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	2.21
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	23 W	23 W
PSB	22 W	22 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	2931 kWh	3916 kWh

## Domestic Hot Water (DHW)

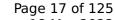


EN 16147	
Declared load profile	L
Efficiency ηDHW	91 %
СОР	2.12
Heating up time	02:24 h:min
Standby power input	54.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	269 I

### Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	78 %
СОР	1.82
Heating up time	02:48 h:min
Standby power input	81.0 W
Reference hot water temperature	53.5 °C
Mixed water at 40°C	272

### Warmer Climate





EN 16147	
Declared load profile	L
Efficiency ηDHW	107 %
СОР	2.49
Heating up time	01:57 h:min
Standby power input	59.0 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	266 I



## Model: Bosch CS7000iAW 17 IRB-T

Configure model	
Model name	Bosch CS7000iAW 17 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	5.08 kW	4.10 kW
El input	1.04 kW	1.63 kW
СОР	4.90	2.51

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	51 dB(A)	51 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	194 %	140 %
Prated	12.13 kW	10.00 kW
SCOP	4.92	3.56
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.89 kW	8.44 kW
COP Tj = -7°C	2.98	2.25
Pdh Tj = +2°C	6.78 kW	5.45 kW
COP Tj = +2°C	4.91	3.56
Pdh Tj = +7°C	4.05 kW	4.98 kW
COP Tj = +7°C	6.33	4.44
Pdh Tj = 12°C	3.00 kW	5.93 kW
COP Tj = 12°C	7.60	5.76
Pdh Tj = Tbiv	12.13 kW	10.00 kW



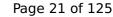


COP Tj = Tbiv	2.56	1.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.13 kW	10.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	23 W	23 W
PSB	22 W	22 W
PCK	o w	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5090 kWh	5794 kWh

### Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	51 dB(A)	51 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	Low temperature	Medium temperature





$\eta_{s}$	170 %	123 %
Prated	10.00 kW	9.40 kW
SCOP	4.33	3.16
Tbiv	-17 °C	-17 °C
TOL	-18 °C	-17 °C
Pdh Tj = -7°C	6.09 kW	5.63 kW
COP Tj = -7°C	3.68	2.71
Pdh Tj = +2°C	3.66 kW	4.40 kW
COP Tj = +2°C	5.48	3.89
Pdh Tj = +7°C	2.70 kW	5.06 kW
COP Tj = +7°C	6.48	4.75
Pdh Tj = 12°C	6.23 kW	5.98 kW
COP Tj = 12°C	7.42	5.99
Pdh Tj = Tbiv	8.29 kW	8.23 kW
COP Tj = Tbiv	2.52	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.64 kW	8.23 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.80
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	23 W	23 W
PSB	22 W	22 W
	1	





PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5697 kWh	7343 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.01	2.01
COP Tj = -15°C (if TOL $<$ -20°C)	2.72	2.01

### Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	51 dB(A)	51 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	242 %	166 %
Prated	13.44 kW	12.41 kW
SCOP	6.12	4.23
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	13.44 kW	12.41 kW



# $$\operatorname{\textit{Page}}\xspace$ 23 of 125 This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = +2°C	2.86	2.21
Pdh Tj = $+7$ °C	8.54 kW	8.58 kW
Pull 1j = +7 C	6.54 KVV	0.30 KW
$COP Tj = +7^{\circ}C$	5.31	3.64
Pdh Tj = 12°C	4.07 kW	5.86 kW
COP Tj = 12°C	7.94	5.48
Pdh Tj = Tbiv	13.44 kW	12.41 kW
COP Tj = Tbiv	2.86	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.44 kW	12.41 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	2.21
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	23 W	23 W
PSB	22 W	22 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	2931 kWh	3916 kWh



## Model: Bosch CS7000iAW 17 IRE-T

Configure model		
Model name	Bosch CS7000iAW 17 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

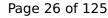
EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.08 kW	4.10 kW
El input	1.04 kW	1.63 kW
СОР	4.90	2.51

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	51 dB(A)	51 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	194 %	140 %
Prated	12.13 kW	10.00 kW
SCOP	4.92	3.56
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.89 kW	8.44 kW
COP Tj = -7°C	2.98	2.25
Pdh Tj = +2°C	6.78 kW	5.45 kW
COP Tj = +2°C	4.91	3.56
Pdh Tj = $+7^{\circ}$ C	4.05 kW	4.98 kW
COP Tj = +7°C	6.33	4.44
Pdh Tj = 12°C	3.00 kW	5.93 kW
COP Tj = 12°C	7.60	5.76
Pdh Tj = Tbiv	12.13 kW	10.00 kW



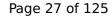


COP Tj = Tbiv	2.56	1.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.13 kW	10.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	23 W	23 W
PSB	22 W	22 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5090 kWh	5794 kWh

### Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	51 dB(A)	51 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	Low temperature	Medium temperature





$\eta_{s}$	170 %	123 %
Prated	10.00 kW	9.40 kW
SCOP	4.33	3.16
Tbiv	-17 °C	-17 °C
TOL	-18 °C	-17 °C
Pdh Tj = -7°C	6.09 kW	5.63 kW
COP Tj = -7°C	3.68	2.71
Pdh Tj = +2°C	3.66 kW	4.40 kW
COP Tj = +2°C	5.48	3.89
Pdh Tj = +7°C	2.70 kW	5.06 kW
COP Tj = +7°C	6.48	4.75
Pdh Tj = 12°C	6.23 kW	5.98 kW
COP Tj = 12°C	7.42	5.99
Pdh Tj = Tbiv	8.29 kW	8.23 kW
COP Tj = Tbiv	2.52	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.64 kW	8.23 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.41	1.80
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	23 W	23 W
PSB	22 W	22 W
	1	





PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	10.00 kW	9.40 kW
Annual energy consumption Qhe	5697 kWh	7343 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.01	2.01
COP Tj = -15°C (if TOL $<$ -20°C)	2.72	2.01

### Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	51 dB(A)	51 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825		
	e Medium temperature	
$\eta_{s}$	242 %	166 %
Prated	13.44 kW	12.41 kW
SCOP	6.12	4.23
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	13.44 kW	12.41 kW



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

COP Tj = +2°C	2.86	2.21
Pdh Tj = +7°C	8.54 kW	8.58 kW
$COP Tj = +7^{\circ}C$	5.31	3.64
Pdh Tj = 12°C	4.07 kW	5.86 kW
COP Tj = 12°C	7.94	5.48
Pdh Tj = Tbiv	13.44 kW	12.41 kW
COP Tj = Tbiv	2.86	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.44 kW	12.41 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	2.21
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	23 W	23 W
PSB	22 W	22 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	2931 kWh	3916 kWh



## Model: Bosch CS7000iAW 17 ORMS-T

Configure model		
Model name Bosch CS7000iAW 17 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 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.63 kW	4.48 kW
El input	1.16 kW	1.63 kW
СОР	4.87	2.75

### 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
$\eta_{s}$	242 %	170 %
Prated	14.30 kW	12.50 kW
SCOP	6.13	4.34
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	14.59 kW	12.49 kW
$COPTj = +2^{\circ}C$	2.85	2.18
Pdh Tj = $+7$ °C	8.92 kW	8.08 kW
$COPTj = +7^{\circ}C$	5.37	3.81
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	8.00	5.61
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.59 kW	12.49 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3115 kWh	3852 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
$\eta_{s}$	161 %	123 %
Prated	10.00 kW	9.10 kW
SCOP	4.11	3.15



	CEN heat pump KEYMARK
35	

-17	°C
-18	°C
V 5.60	0 kW
2.68	8
V 4.40	0 kW
3.86	6
V 5.07	7 kW
4.76	6
6.00	0 kW
6.23	3
V 7.90	0 kW
1.75	5
7.47	7 kW
1.65	5
60 °	°C
24 \	W
41 \	W
24 \	W
11 \	W
ity Elec	ctricity
W 9.10	0 kW
_	





Annual energy consumption Qhe	6000 kWh	7117 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.92	1.96
COP Tj = -15°C (if TOL $<$ -20°C)	2.66	1.96

## **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
$\eta_{s}$	191 %	141 %
Prated	12.00 kW	10.00 kW
SCOP	4.84	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.36 kW	9.51 kW
COP Tj = -7°C	2.87	2.25
Pdh Tj = $+2$ °C	6.84 kW	5.60 kW
COP Tj = +2°C	4.84	3.64





Pdh Tj = +7°C	4.21 kW	5.07 kW
$COP Tj = +7^{\circ}C$	6.41	4.49
Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW
COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.26 kW	10.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5117 kWh	5721 kWh

Domestic Hot Water (DHW)

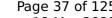
Warmer Climate



EN 16147		
Declared load profile	L	
Efficiency ηDHW	99 %	
СОР	2.30	
Standby power input	61.0 W	
Mixed water at 40°C	252 I	
Heating up time	01:59 h:min	
Reference hot water temperature	51.4 °C	

### Colder Climate

EN 16147	
Declared load profile	L
Declared load profile	
Efficiency ηDHW	77 %
СОР	1.78
Standby power input	92.0 W
Mixed water at 40°C	260
Heating up time	02:51 h:min
Reference hot water temperature	52.3 °C





# $$\operatorname{\textit{Page}}\xspace$ 37 of 125 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147		
Declared load profile	L	
Efficiency ηDHW	89 %	
СОР	2.08	
Heating up time	02:27 h:min	
Standby power input	67.0 W	
Reference hot water temperature	51.8 °C	
Mixed water at 40°C	259 I	



# Model: Bosch CS7000iAW 17 ORM-T

Configure model		
Model name	Bosch CS7000iAW 17 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	5.63 kW	4.48 kW	
El input	1.16 kW	1.63 kW	
СОР	4.87	2.75	

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

# Average Climate

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	191 %	141 %
Prated	12.00 kW	10.00 kW
SCOP	4.84	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.36 kW	9.51 kW
COP Tj = -7°C	2.87	2.25
Pdh Tj = +2°C	6.84 kW	5.60 kW
COP Tj = +2°C	4.84	3.64
Pdh Tj = +7°C	4.21 kW	5.07 kW
COP Tj = +7°C	6.41	4.49
Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW



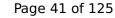


COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.26 kW	10.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5117 kWh	5721 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





161 %	123 %
10.00 kW	9.10 kW
4.11	3.15
-19 °C	-17 °C
-20 °C	-18 °C
6.20 kW	5.60 kW
3.71	2.68
4.91 kW	4.40 kW
4.64	3.86
5.34 kW	5.07 kW
6.14	4.76
6.28 kW	6.00 kW
7.41	6.23
9.25 kW	7.90 kW
2.21	1.75
9.00 kW	7.47 kW
2.16	1.65
60 °C	60 °C
24 W	24 W
41 W	41 W
24 W	24 W
	10.00 kW  4.11  -19 °C  -20 °C  6.20 kW  3.71  4.91 kW  4.64  5.34 kW  6.14  6.28 kW  7.41  9.25 kW  2.21  9.00 kW  2.16  60 °C  24 W  41 W



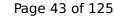


PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	10.00 kW	9.10 kW
Annual energy consumption Qhe	6000 kWh	7117 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.92	1.96
COP Tj = -15°C (if TOL $<$ -20°C)	2.66	1.96

### 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
$\eta_{s}$	242 %	170 %
Prated	14.30 kW	12.50 kW
SCOP	6.13	4.34
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	14.59 kW	12.49 kW





COP Tj = +2°C	2.85	2.18
Pdh Tj = $+7^{\circ}$ C	8.92 kW	8.08 kW
$COP Tj = +7^{\circ}C$	5.37	3.81
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	8.00	5.61
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.59 kW	12.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3115 kWh	3852 kWh

# Domestic Hot Water (DHW)

### Average Climate

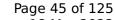


EN 16147	
Declared load profile	L
Efficiency ηDHW	91 %
СОР	2.12
Heating up time	02:24 h:min
Standby power input	64.3 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	269 I

### Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	78 %
СОР	1.82
Heating up time	02:48 h:min
Standby power input	80.7 W
Reference hot water temperature	53.5 °C
Mixed water at 40°C	272

### Warmer Climate





EN 16147	
Declared load profile	L
Efficiency ηDHW	107 %
СОР	2.49
Heating up time	01:57 h:min
Standby power input	58.5 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	266 I



# Model: Bosch CS7000iAW 17 ORB-T

Configure model		
Model name	Bosch CS7000iAW 17 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	5.63 kW	4.48 kW	
El input	1.16 kW	1.63 kW	
СОР	4.87	2.75	

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

# 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
$\eta_{s}$	191 %	141 %
Prated	12.00 kW	10.00 kW
SCOP	4.84	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.36 kW	9.51 kW
COP Tj = $-7$ °C	2.87	2.25
Pdh Tj = $+2$ °C	6.84 kW	5.60 kW
$COP Tj = +2^{\circ}C$	4.84	3.64
Pdh Tj = $+7$ °C	4.21 kW	5.07 kW
$COP Tj = +7^{\circ}C$	6.41	4.49
Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW





COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.26 kW	10.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5117 kWh	5721 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





161 %	123 %
10.00 kW	9.10 kW
4.11	3.15
-19 °C	-17 °C
-20 °C	-18 °C
6.20 kW	5.60 kW
3.71	2.68
4.91 kW	4.40 kW
4.64	3.86
5.34 kW	5.07 kW
6.14	4.76
6.28 kW	6.00 kW
7.41	6.23
9.25 kW	7.90 kW
2.21	1.75
9.00 kW	7.47 kW
2.16	1.65
60 °C	60 °C
24 W	24 W
41 W	41 W
24 W	24 W
	10.00 kW  4.11  -19 °C  -20 °C  6.20 kW  3.71  4.91 kW  4.64  5.34 kW  6.14  6.28 kW  7.41  9.25 kW  2.21  9.00 kW  2.16  60 °C  24 W  41 W





PCK	11 W	11 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	6000 kWh	7117 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.92	1.96
COP Tj = -15°C (if TOL $<$ -20°C)	2.66	1.96

### 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
$\eta_{s}$	242 %	170 %
Prated	14.30 kW	12.50 kW
SCOP	6.13	4.34
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	14.59 kW	12.49 kW



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

COP Tj = +2°C	2.85	2.18
Pdh Tj = +7°C	8.92 kW	8.08 kW
$COP Tj = +7^{\circ}C$	5.37	3.81
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	8.00	5.61
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.59 kW	12.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3115 kWh	3852 kWh



# Model: Bosch CS7000iAW 17 ORE-T

Configure model		
Model name	Bosch CS7000iAW 17 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 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

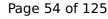
EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.63 kW	4.48 kW
El input	1.16 kW	1.63 kW
СОР	4.87	2.75

# **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
$\eta_{s}$	191 %	141 %
Prated	12.00 kW	10.00 kW
SCOP	4.84	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.36 kW	9.51 kW
COP Tj = -7°C	2.87	2.25
Pdh Tj = +2°C	6.84 kW	5.60 kW
COP Tj = +2°C	4.84	3.64
Pdh Tj = +7°C	4.21 kW	5.07 kW
COP Tj = +7°C	6.41	4.49
Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW



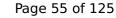


COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.26 kW	10.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5117 kWh	5721 kWh

### Colder Climate

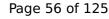
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature





161 %	123 %
10.00 kW	9.10 kW
4.11	3.15
-19 °C	-17 °C
-20 °C	-18 °C
6.20 kW	5.60 kW
3.71	2.68
4.91 kW	4.40 kW
4.64	3.86
5.34 kW	5.07 kW
6.14	4.76
6.28 kW	6.00 kW
7.41	6.23
9.25 kW	7.90 kW
2.21	1.75
9.00 kW	7.47 kW
2.16	1.65
60 °C	60 °C
24 W	24 W
41 W	41 W
24 W	24 W
	10.00 kW  4.11  -19 °C  -20 °C  6.20 kW  3.71  4.91 kW  4.64  5.34 kW  6.14  6.28 kW  7.41  9.25 kW  2.21  9.00 kW  2.16  60 °C  24 W  41 W





PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	10.00 kW	9.10 kW
Annual energy consumption Qhe	6000 kWh	7117 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.92	1.96
COP Tj = -15°C (if TOL $<$ -20°C)	2.66	1.96

### 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
$\eta_{s}$	242 %	170 %
Prated	14.30 kW	12.50 kW
SCOP	6.13	4.34
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	14.59 kW	12.49 kW
	,	1



# $$\operatorname{\textit{Page}}\xspace$ 57 of 125 This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = +2°C	2.85	2.18
Pdh Tj = +7°C	8.92 kW	8.08 kW
$COP Tj = +7^{\circ}C$	5.37	3.81
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	8.00	5.61
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.59 kW	12.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3115 kWh	3852 kWh



# **Model: Bosch Compress 6000 AW-17 AWB**

Configure model		
Model name	Bosch Compress 6000 AW-17 AWB	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

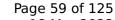
General Data		
Power supply	3x400V 50Hz	

# Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.63 kW	4.48 kW	
El input	1.16 kW	1.63 kW	
СОР	4.87	2.75	

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

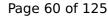
### **Average Climate**





#### EN 14825

	Low temperature	Medium temperature
$\eta_{S}$	191 %	141 %
Prated	12.00 kW	10.00 kW
SCOP	4.84	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7^{\circ}$ C	11.36 kW	9.51 kW
COP Tj = -7°C	2.87	2.25
Pdh Tj = +2°C	6.84 kW	5.60 kW
COP Tj = +2°C	4.84	3.64
Pdh Tj = $+7^{\circ}$ C	4.21 kW	5.07 kW
$COPTj = +7^{\circ}C$	6.41	4.49
Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW
COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.26 kW	10.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C





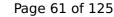
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5117 kWh	5721 kWh

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

### Colder Climate

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

EN 14825		
	Low temperature	Medium temperature





$\eta_s$	161 %	123 %
Prated	10.00 kW	9.10 kW
SCOP	4.11	3.15
Tbiv	-19 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	6.20 kW	5.60 kW
$COP Tj = -7^{\circ}C$	3.71	2.68
Pdh Tj = +2°C	4.91 kW	4.40 kW
$COPTj = +2^{\circ}C$	4.64	3.86
Pdh Tj = $+7^{\circ}$ C	5.34 kW	5.07 kW
$COP Tj = +7^{\circ}C$	6.14	4.76
Pdh Tj = 12°C	6.28 kW	6.00 kW
COP Tj = 12°C	7.41	6.23
Pdh Tj = Tbiv	9.25 kW	7.90 kW
COP Tj = Tbiv	2.21	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	7.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.65
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
	1	1





PCK	11 W	11 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	6000 kWh	7117 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.92	1.96
COP Tj = -15°C (if TOL $<$ -20°C)	2.66	1.96

### 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
$\eta_{s}$	242 %	170 %
Prated	14.30 kW	12.50 kW
SCOP	6.13	4.34
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	14.59 kW	12.49 kW



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

COP Tj = +2°C	2.85	2.18
Pdh Tj = +7°C	8.92 kW	8.08 kW
$COP Tj = +7^{\circ}C$	5.37	3.81
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	8.00	5.61
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.59 kW	12.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3115 kWh	3852 kWh



# **Model: Bosch Compress 6000 AW-17 AWM**

Configure model		
Model name Bosch Compress 6000 AW-17 AWM		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

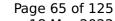
General Data		
Power supply	3x400V 50Hz	

# Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	5.63 kW	4.48 kW	
El input	1.16 kW	1.63 kW	
СОР	4.87	2.75	

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

# Average Climate





#### EN 14825

	Low temperature	Medium temperature
$\eta_{s}$	191 %	141 %
Prated	12.00 kW	10.00 kW
SCOP	4.84	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.36 kW	9.51 kW
$COPTj = -7^{\circ}C$	2.87	2.25
Pdh Tj = $+2$ °C	6.84 kW	5.60 kW
$COPTj = +2^{\circ}C$	4.84	3.64
Pdh Tj = $+7^{\circ}$ C	4.21 kW	5.07 kW
$COPTj = +7^{\circ}C$	6.41	4.49
Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW
COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	12.26 kW	10.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	1.00	1.00
WTOL	60 °C	60 °C





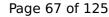
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5117 kWh	5721 kWh

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

### Colder Climate

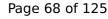
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	26 dB(A)	26 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature





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$\eta_{s}$	161 %	123 %
Prated	10.00 kW	9.10 kW
SCOP	4.11	3.15
Tbiv	-19 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = $-7^{\circ}$ C	6.20 kW	5.60 kW
$COPTj = -7^{\circ}C$	3.71	2.68
Pdh Tj = +2°C	4.91 kW	4.40 kW
COP Tj = +2°C	4.64	3.86
Pdh Tj = +7°C	5.34 kW	5.07 kW
COP Tj = +7°C	6.14	4.76
Pdh Tj = 12°C	6.28 kW	6.00 kW
COP Tj = 12°C	7.41	6.23
Pdh Tj = Tbiv	9.25 kW	7.90 kW
COP Tj = Tbiv	2.21	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	7.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.65
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W





PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	10.00 kW	9.10 kW
Annual energy consumption Qhe	6000 kWh	7117 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.92	1.96
COP Tj = -15°C (if TOL $<$ -20°C)	2.66	1.96

### 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
$\eta_{s}$	242 %	170 %
Prated	14.30 kW	12.50 kW
SCOP	6.13	4.34
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	14.59 kW	12.49 kW





COP Tj = +2°C	2.85	2.18
Pdh Tj = $+7^{\circ}$ C	8.92 kW	8.08 kW
$COP Tj = +7^{\circ}C$	5.37	3.81
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	8.00	5.61
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.59 kW	12.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3115 kWh	3852 kWh

# Domestic Hot Water (DHW)

# Average Climate

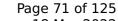


EN 16147		
Declared load profile	L	
Efficiency ηDHW	91 %	
СОР	2.12	
Heating up time	02:24 h:min	
Standby power input	64.3 W	
Reference hot water temperature	52.9 °C	
Mixed water at 40°C	269 I	

### Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.82	
Heating up time	02:48 h:min	
Standby power input	80.7 W	
Reference hot water temperature	53.5 °C	
Mixed water at 40°C	272	

### Warmer Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	107 %	
СОР	2.49	
Heating up time	01:57 h:min	
Standby power input	58.5 W	
Reference hot water temperature	52.8 °C	
Mixed water at 40°C	266 I	



# **Model: Bosch Compress 6000 AW-17 AWMS**

Configure model		
Model name	Bosch Compress 6000 AW-17 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

COP

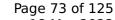
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.63 kW	4.48 kW	
El input	1.16 kW	1.63 kW	

2.75

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

# Average Climate

4.87





### EN 14825

	Low temperature	Medium temperature
$\eta_{s}$	191 %	141 %
Prated	12.00 kW	10.00 kW
SCOP	4.84	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.36 kW	9.51 kW
$COPTj = -7^{\circ}C$	2.87	2.25
Pdh Tj = $+2$ °C	6.84 kW	5.60 kW
$COPTj = +2^{\circ}C$	4.84	3.64
Pdh Tj = $+7^{\circ}$ C	4.21 kW	5.07 kW
$COPTj = +7^{\circ}C$	6.41	4.49
Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW
COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	12.26 kW	10.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	1.00	1.00
WTOL	60 °C	60 °C





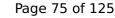
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5117 kWh	5721 kWh

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

### Colder Climate

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

EN 14825		
	Low temperature	Medium temperature





$\eta_s$	161 %	123 %
Prated	10.00 kW	9.10 kW
SCOP	4.11	3.15
Tbiv	-19 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	6.20 kW	5.60 kW
$COP Tj = -7^{\circ}C$	3.71	2.68
Pdh Tj = +2°C	4.91 kW	4.40 kW
$COPTj = +2^{\circ}C$	4.64	3.86
Pdh Tj = $+7^{\circ}$ C	5.34 kW	5.07 kW
$COP Tj = +7^{\circ}C$	6.14	4.76
Pdh Tj = 12°C	6.28 kW	6.00 kW
COP Tj = 12°C	7.41	6.23
Pdh Tj = Tbiv	9.25 kW	7.90 kW
COP Tj = Tbiv	2.21	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	7.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.65
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
	1	1





PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	10.00 kW	9.10 kW
Annual energy consumption Qhe	6000 kWh	7117 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.92	1.96
COP Tj = -15°C (if TOL $<$ -20°C)	2.66	1.96

# 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
$\eta_{s}$	242 %	170 %
Prated	14.30 kW	12.50 kW
SCOP	6.13	4.34
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	14.59 kW	12.49 kW
	,	1





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COP Tj = +2°C	2.85	2.18
Pdh Tj = $+7^{\circ}$ C	8.92 kW	8.08 kW
$COP Tj = +7^{\circ}C$	5.37	3.81
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	8.00	5.61
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.59 kW	12.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
РСК	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3115 kWh	3852 kWh

# Domestic Hot Water (DHW)

# Average Climate

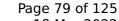


EN 16147		
Declared load profile	L	
Efficiency ηDHW	89 %	
СОР	2.08	
Heating up time	02:27 h:min	
Standby power input	67.0 W	
Reference hot water temperature	51.8 °C	
Mixed water at 40°C	259 I	

# Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	77 %	
СОР	1.78	
Heating up time	02:51 h:min	
Standby power input	92.0 W	
Reference hot water temperature	52.3 °C	
Mixed water at 40°C	260 I	

# Warmer Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	99 %	
СОР	2.30	
Heating up time	01:59 h:min	
Standby power input	61.0 W	
Reference hot water temperature	51.4 °C	
Mixed water at 40°C	252 I	

# **Model: Bosch Compress 6000 AW-17 AWE**

Configure model		
Model name	Bosch Compress 6000 AW-17 AWE	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

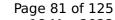
General Data		
Power supply	3x400V 50Hz	

# Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	5.63 kW	4.48 kW	
El input	1.16 kW	1.63 kW	
СОР	4.87	2.75	

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

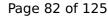
# Average Climate





#### EN 14825

	Low temperature	Medium temperature
$\eta_{s}$	191 %	141 %
Prated	12.00 kW	10.00 kW
SCOP	4.84	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.36 kW	9.51 kW
$COPTj = -7^{\circ}C$	2.87	2.25
Pdh Tj = $+2$ °C	6.84 kW	5.60 kW
$COPTj = +2^{\circ}C$	4.84	3.64
Pdh Tj = $+7^{\circ}$ C	4.21 kW	5.07 kW
$COPTj = +7^{\circ}C$	6.41	4.49
Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW
COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	12.26 kW	10.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	1.00	1.00
WTOL	60 °C	60 °C





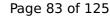
Poff	24 W	24 W
PTO	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5117 kWh	5721 kWh

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

### Colder Climate

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

EN 14825		
	Low temperature	Medium temperature





$\eta_s$	161 %	123 %
Prated	10.00 kW	9.10 kW
SCOP	4.11	3.15
Tbiv	-19 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	6.20 kW	5.60 kW
$COP Tj = -7^{\circ}C$	3.71	2.68
Pdh Tj = +2°C	4.91 kW	4.40 kW
$COPTj = +2^{\circ}C$	4.64	3.86
Pdh Tj = $+7^{\circ}$ C	5.34 kW	5.07 kW
$COP Tj = +7^{\circ}C$	6.14	4.76
Pdh Tj = 12°C	6.28 kW	6.00 kW
COP Tj = 12°C	7.41	6.23
Pdh Tj = Tbiv	9.25 kW	7.90 kW
COP Tj = Tbiv	2.21	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	7.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.65
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
	1	1





PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	10.00 kW	9.10 kW
Annual energy consumption Qhe	6000 kWh	7117 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.92	1.96
COP Tj = -15°C (if TOL $<$ -20°C)	2.66	1.96

### 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 temperatu		re Medium temperature	
$\eta_{s}$	242 %	170 %	
Prated	14.30 kW	12.50 kW	
SCOP	6.13	4.34	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	14.59 kW	12.49 kW	



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

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COP Tj = +2°C	2.85	2.18
Pdh Tj = +7°C	8.92 kW	8.08 kW
$COP Tj = +7^{\circ}C$	5.37	3.81
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	8.00	5.61
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.59 kW	12.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3115 kWh	3852 kWh



# Model: Bosch CS7001iAW 17 ORMS-T

Configure model	
Model name	Bosch CS7001iAW 17 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

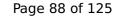
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.63 kW	4.48 kW
El input	1.16 kW	1.63 kW
СОР	4.87	2.75

# 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
$\eta_{s}$	242 %	170 %
Prated	14.30 kW	12.50 kW
SCOP	6.13	4.34
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	14.59 kW	12.49 kW
COP Tj = +2°C	2.85	2.18
Pdh Tj = $+7^{\circ}$ C	8.92 kW	8.08 kW
$COP Tj = +7^{\circ}C$	5.37	3.81
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	8.00	5.61
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.59 kW	12.49 kW



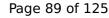


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3115 kWh	3852 kWh

# 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
$\eta_{s}$	161 %	123 %
Prated	10.00 kW	9.10 kW
SCOP	4.11	3.15





	-	
Tbiv	-19 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	6.20 kW	5.60 kW
COP Tj = -7°C	3.71	2.68
Pdh Tj = +2°C	4.91 kW	4.40 kW
COP Tj = +2°C	4.64	3.86
Pdh Tj = +7°C	5.34 kW	5.07 kW
COP Tj = +7°C	6.14	4.76
Pdh Tj = 12°C	6.28 kW	6.00 kW
COP Tj = 12°C	7.41	6.23
Pdh Tj = Tbiv	9.25 kW	7.90 kW
COP Tj = Tbiv	2.21	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	7.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.65
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
РСК	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	10.00 kW	9.10 kW
		1





Annual energy consumption Qhe	6000 kWh	7117 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.92	1.96
COP Tj = -15°C (if TOL $<$ -20°C)	2.66	1.96

# **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
$\eta_{S}$	191 %	141 %
Prated	12.00 kW	10.00 kW
SCOP	4.84	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.36 kW	9.51 kW
COP Tj = -7°C	2.87	2.25
Pdh Tj = +2°C	6.84 kW	5.60 kW
COP Tj = +2°C	4.84	3.64





Pdh Tj = $+7^{\circ}$ C	4.21 kW	5.07 kW
COP Tj = +7°C	6.41	4.49
Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW
COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.26 kW	10.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5117 kWh	5721 kWh

Domestic Hot Water (DHW)

Warmer Climate

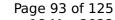


EN 16147	
Declared load profile	L
Efficiency ηDHW	99 %
СОР	2.30
Standby power input	61.0 W
Mixed water at 40°C	252 l
Heating up time	01:59 h:min
Reference hot water temperature	51.4 °C

### Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	77 %	
СОР	1.78	
Standby power input	92.0 W	
Mixed water at 40°C	260 I	
Heating up time	02:51 h:min	
Reference hot water temperature	52.3 °C	

# **Average Climate**





EN 16147	
Declared load profile	L
Efficiency ηDHW	89 %
СОР	2.08
Heating up time	02:27 h:min
Standby power input	67.0 W
Reference hot water temperature	51.8 °C
Mixed water at 40°C	259 I



# Model: Bosch CS7001iAW 17 ORM-T

Configure model		
Model name	Bosch CS7001iAW 17 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 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	5.63 kW	4.48 kW
El input	1.16 kW	1.63 kW
СОР	4.87	2.75

# 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
$\eta_{s}$	242 %	170 %
Prated	14.30 kW	12.50 kW
SCOP	6.13	4.34
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	14.59 kW	12.49 kW
$COP Tj = +2^{\circ}C$	2.85	2.18
Pdh Tj = +7°C	8.92 kW	8.08 kW
$COP Tj = +7^{\circ}C$	5.37	3.81
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	8.00	5.61
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.59 kW	12.49 kW



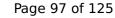


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3115 kWh	3852 kWh

### 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	
161 %	123 %	
10.00 kW	9.10 kW	
4.11	3.15	
•	Low temperature  161 %  10.00 kW	





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Tbiv	-19 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	6.20 kW	5.60 kW
COP Tj = -7°C	3.71	2.68
Pdh Tj = $+2$ °C	4.91 kW	4.40 kW
$COPTj = +2^{\circ}C$	4.64	3.86
Pdh Tj = $+7^{\circ}$ C	5.34 kW	5.07 kW
COP Tj = +7°C	6.14	4.76
Pdh Tj = 12°C	6.28 kW	6.00 kW
COP Tj = 12°C	7.41	6.23
Pdh Tj = Tbiv	9.25 kW	7.90 kW
COP Tj = Tbiv	2.21	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	7.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.65
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
РСК	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	10.00 kW	9.10 kW





Annual energy consumption Qhe	6000 kWh	7117 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.92	1.96
COP Tj = -15°C (if TOL $<$ -20°C)	2.66	1.96

# **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
$\eta_{s}$	191 %	141 %
Prated	12.00 kW	10.00 kW
SCOP	4.84	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.36 kW	9.51 kW
COP Tj = -7°C	2.87	2.25
Pdh Tj = $+2$ °C	6.84 kW	5.60 kW
$COP Tj = +2^{\circ}C$	4.84	3.64





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Pdh Tj = +7°C	4.21 kW	5.07 kW
COP Tj = +7°C	6.41	4.49
Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW
COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.26 kW	10.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5117 kWh	5721 kWh

Domestic Hot Water (DHW)

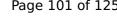
Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	107 %	
СОР	2.49	
Standby power input	58.5 W	
Mixed water at 40°C	266 I	
Heating up time	01:57 h:min	
Reference hot water temperature	52.8 °C	

### Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	78 %	
СОР	1.82	
Standby power input	80.7 W	
Mixed water at 40°C	272 I	
Heating up time	02:48 h:min	
Reference hot water temperature	53.5 °C	

# **Average Climate**





# $$\operatorname{\textit{Page}}\xspace$ 101 of 125 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147		
Declared load profile	L	
Efficiency ηDHW	91 %	
СОР	2.12	
Heating up time	02:24 h:min	
Standby power input	64.3 W	
Reference hot water temperature	52.9 °C	
Mixed water at 40°C	269 I	



# Model: Bosch CS7001iAW 17 ORB-T

Configure model		
Model name	Bosch CS7001iAW 17 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 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

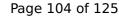
EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.63 kW	4.48 kW
El input	1.16 kW	1.63 kW
СОР	4.87	2.75

# 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
$\eta_{s}$	242 %	170 %
Prated	14.30 kW	12.50 kW
SCOP	6.13	4.34
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	14.59 kW	12.49 kW
$COPTj = +2^{\circ}C$	2.85	2.18
Pdh Tj = $+7$ °C	8.92 kW	8.08 kW
$COPTj = +7^{\circ}C$	5.37	3.81
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	8.00	5.61
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.59 kW	12.49 kW



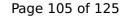


COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3115 kWh	3852 kWh

### Colder Climate

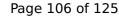
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	53 dB(A)	53 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	161 %	123 %
Prated	10.00 kW	9.10 kW
SCOP	4.11	3.15





Tbiv	-19 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = $-7$ °C	6.20 kW	5.60 kW
$COP Tj = -7^{\circ}C$	3.71	2.68
Pdh Tj = +2°C	4.91 kW	4.40 kW
COP Tj = +2°C	4.64	3.86
Pdh Tj = $+7^{\circ}$ C	5.34 kW	5.07 kW
$COP Tj = +7^{\circ}C$	6.14	4.76
Pdh Tj = 12°C	6.28 kW	6.00 kW
COP Tj = 12°C	7.41	6.23
Pdh Tj = Tbiv	9.25 kW	7.90 kW
COP Tj = Tbiv	2.21	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	7.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.65
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	n/a	n/a





Annual energy consumption Qhe	6000 kWh	7117 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.92	1.96
COP Tj = -15°C (if TOL $<$ -20°C)	2.66	1.96

# **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
$\eta_{s}$	191 %	141 %
Prated	12.00 kW	10.00 kW
SCOP	4.84	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.36 kW	9.51 kW
COP Tj = -7°C	2.87	2.25
Pdh Tj = $+2$ °C	6.84 kW	5.60 kW
COP Tj = +2°C	4.84	3.64



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

Pdh Tj = $+7^{\circ}$ C	4.21 kW	5.07 kW
$COP Tj = +7^{\circ}C$	6.41	4.49
Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW
COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.26 kW	10.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5117 kWh	5721 kWh



# Model: Bosch CS7001iAW 17 ORE-T

Configure model		
Model name	Bosch CS7001iAW 17 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 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

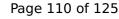
EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.63 kW	4.48 kW
El input	1.16 kW	1.63 kW
СОР	4.87	2.75

# 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	
$\eta_{s}$	242 %	170 %	
Prated	14.30 kW	12.50 kW	
SCOP	6.13	4.34	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = $+2$ °C	14.59 kW	12.49 kW	
$COPTj = +2^{\circ}C$	2.85	2.18	
Pdh Tj = $+7$ °C	8.92 kW	8.08 kW	
$COPTj = +7^{\circ}C$	5.37	3.81	
Pdh Tj = 12°C	4.16 kW	5.99 kW	
COP Tj = 12°C	8.00	5.61	
Pdh Tj = Tbiv	14.59 kW	12.49 kW	
COP Tj = Tbiv	2.85	2.18	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.59 kW	12.49 kW	





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3115 kWh	3852 kWh

## Colder Climate

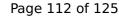
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	41 dB(A)	41 dB(A)	
Sound power level outdoor	53 dB(A)	53 dB(A)	

EN 14825		
Low temperature	Medium temperature	
161 %	123 %	
10.00 kW	9.10 kW	
4.11	3.15	
	Low temperature  161 %  10.00 kW	





	<u> </u>	rmark database on 18 Mar 20.
Tbiv	-19 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	6.20 kW	5.60 kW
COP Tj = -7°C	3.71	2.68
Pdh Tj = $+2$ °C	4.91 kW	4.40 kW
COP Tj = +2°C	4.64	3.86
Pdh Tj = $+7^{\circ}$ C	5.34 kW	5.07 kW
$COPTj = +7^{\circ}C$	6.14	4.76
Pdh Tj = 12°C	6.28 kW	6.00 kW
COP Tj = 12°C	7.41	6.23
Pdh Tj = Tbiv	9.25 kW	7.90 kW
COP Tj = Tbiv	2.21	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	7.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.65
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	10.00 kW	9.10 kW





Annual energy consumption Qhe	6000 kWh	7117 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.92	1.96
COP Tj = -15°C (if TOL $<$ -20°C)	2.66	1.96

# **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
$\eta_{S}$	191 %	141 %
Prated	12.00 kW	10.00 kW
SCOP	4.84	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7$ °C	11.36 kW	9.51 kW
COP Tj = -7°C	2.87	2.25
Pdh Tj = $+2$ °C	6.84 kW	5.60 kW
COP Tj = +2°C	4.84	3.64



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

	· · · · · · · · · · · · · · · · · · ·	
Pdh Tj = +7°C	4.21 kW	5.07 kW
COP Tj = +7°C	6.41	4.49
Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW
COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.26 kW	10.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5117 kWh	5721 kWh



# Model: Bosch CS7001iAW 17 ORMB-T

Configure model		
Model name	Bosch CS7001iAW 17 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	5.63 kW	4.32 kW			
El input	1.21 kW	1.66 kW			
COP	4.66	2.60			

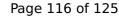
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

# **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
$\eta_{s}$	183 %	138 %
Prated	12.00 kW	10.00 kW
SCOP	4.64	3.52
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.36 kW	9.51 kW
COP Tj = -7°C	2.82	2.22
Pdh Tj = +2°C	6.84 kW	5.60 kW
COP Tj = +2°C	4.64	3.56
Pdh Tj = $+7^{\circ}$ C	4.21 kW	5.07 kW
COP Tj = +7°C	6.02	4.36
Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	6.87	5.58
Pdh Tj = Tbiv	12.26 kW	10.11 kW



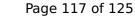


COP Tj = Tbiv	2.40	1.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.26 kW	10.11 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.88
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5346 kWh	5861 kWh

## Colder Climate

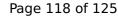
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	49 dB(A)	49 dB(A)	
Sound power level outdoor	53 dB(A)	53 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_s$	155 %	120 %





This information was genera		TR database on 10 Mai 2022
Prated	10.00 kW	9.10 kW
SCOP	3.94	3.08
Tbiv	-19 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = $-7^{\circ}$ C	6.20 kW	5.60 kW
$COP Tj = -7^{\circ}C$	3.59	2.64
Pdh Tj = $+2$ °C	4.91 kW	4.40 kW
$COPTj = +2^{\circ}C$	4.43	3.76
Pdh Tj = $+7^{\circ}$ C	5.34 kW	5.07 kW
$COPTj = +7^{\circ}C$	5.81	4.60
Pdh Tj = 12°C	6.28 kW	6.00 kW
COP Tj = 12°C	6.92	6.03
Pdh Tj = Tbiv	9.25 kW	7.90 kW
COP Tj = Tbiv	2.17	1.73
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	7.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.12	1.63
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	41 W	41 W
PSB	24 W	24 W
РСК	11 W	11 W
	+	





Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	10.00 kW	9.10 kW
Annual energy consumption Qhe	6251 kWh	7274 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.92	7.13
COP Tj = -15°C (if TOL $<$ -20°C)	2.59	1.94

### 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
$\eta_{s}$	229 %	166 %
Prated	14.30 kW	12.50 kW
SCOP	5.79	4.22
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	14.59 kW	12.49 kW
COP Tj = +2°C	2.81	2.15



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

Pdh Tj = $+7$ °C	8.92 kW	8.08 kW
COP Tj = +7°C	5.10	3.73
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	7.44	5.42
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.81	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.59 kW	12.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.81	2.15
WTOL	60 °C	60 °C
Poff	24 W	24 W
РТО	41 W	41 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3299 kWh	3959 kWh



# Model: Bosch CS7000iAW 17 IRMB-T

Configure model		
Model name	Bosch CS7000iAW 17 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	5.08 kW	4.10 kW	
El input	1.09 kW	1.68 kW	
СОР	4.68	2.45	

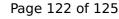
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

# Average Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	51 dB(A)	51 dB(A)	
Sound power level outdoor	37 dB(A)	37 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	185 %	136 %
Prated	12.13 kW	10.00 kW
SCOP	4.70	3.48
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.89 kW	8.44 kW
COP Tj = -7°C	2.92	2.22
Pdh Tj = +2°C	6.78 kW	5.45 kW
COP Tj = +2°C	4.69	3.48
Pdh Tj = $+7^{\circ}$ C	4.05 kW	4.98 kW
COP Tj = +7°C	5.96	4.32
Pdh Tj = 12°C	3.00 kW	5.93 kW
COP Tj = 12°C	7.04	5.57
Pdh Tj = Tbiv	12.13 kW	10.00 kW



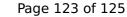


COP Tj = Tbiv	2.52	1.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.13 kW	10.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.86
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	23 W	23 W
PSB	22 W	22 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5335 kWh	5935 kWh

## Colder Climate

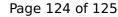
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	51 dB(A)	51 dB(A)	
Sound power level outdoor	37 dB(A)	37 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_s$	163 %	120 %





This information was genera	The The The Territor	TR database on 10 Mai 2022
Prated	10.00 kW	9.40 kW
SCOP	4.15	3.09
Tbiv	-17 °C	-17 °C
TOL	-18 °C	-17 °C
Pdh Tj = -7°C	6.09 kW	5.63 kW
$COP Tj = -7^{\circ}C$	3.56	2.66
Pdh Tj = +2°C	3.66 kW	4.40 kW
COP Tj = +2°C	5.20	3.79
Pdh Tj = $+7^{\circ}$ C	2.70 kW	5.06 kW
$COP Tj = +7^{\circ}C$	6.06	4.61
Pdh Tj = 12°C	6.23 kW	5.98 kW
COP Tj = 12°C	6.94	5.78
Pdh Tj = Tbiv	8.29 kW	8.23 kW
COP Tj = Tbiv	2.46	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.64 kW	8.23 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.78
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	23 W	23 W
PSB	22 W	22 W
РСК	0 W	0 W
	!	-





Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	10.00 kW	9.40 kW
Annual energy consumption Qhe	5947 kWh	7507 kWh
Pdh Tj = -15°C (if TOL<-20°C)	8.01	7.48
COP Tj = -15°C (if TOL $<$ -20°C)	2.65	1.99

### Warmer Climate

EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	51 dB(A)	51 dB(A)	
Sound power level outdoor	37 dB(A)	37 dB(A)	

EN 14825			
	Low temperature	Medium temperature	
$\eta_{s}$	228 %	162 %	
Prated	13.44 kW	12.41 kW	
SCOP	5.78	4.12	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	13.44 kW	12.41 kW	
COP Tj = +2°C	2.82	2.17	



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

Pdh Tj = $+7^{\circ}$ C	8.54 kW	8.58 kW
$COP Tj = +7^{\circ}C$	5.05	3.56
Pdh Tj = 12°C	4.07 kW	5.86 kW
COP Tj = 12°C	7.38	5.30
Pdh Tj = Tbiv	13.44 kW	12.41 kW
COP Tj = Tbiv	2.82	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.44 kW	12.41 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.17
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	23 W	23 W
PSB	22 W	22 W
РСК	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3105 kWh	4025 kWh