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Summary of	Bosch Compress 7000iAW 7 OR and IR, Compress 6000 AW-7, Bosch CS7400iAW 5, Bosch CS7001iAW 7	Reg. No.	011- 1W0123		
Certificate Ho	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 7 OR and IR, Compress 6000 AW-7, Bosch CS7400iAW 5, Bosch CS7001iAW 7				
Heat Pump Type	Outdoor Air/Water				
Refrigerant	R410A				
Mass of Refrigerant	1.75 kg				
Certification Date	18.07.2017				
Testing basis	HP KEYMARK certification scheme rules rev. 8				



Model: Bosch CS7000iAW 7 IRMS-S

Configure model		
Model name	Bosch CS7000iAW 7 IRMS-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	2.29 kW	2.34 kW	
El input	0.46 kW	0.87 kW	
СОР	4.96	2.67	

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	48 dB(A)	48 dB(A)	
Sound power level outdoor	36 dB(A)	36 dB(A)	

Low temperature	Medium temperature
184 %	140 %
5.18 kW	4.20 kW
4.68	3.57
-10 °C	-10 °C
-10 °C	-10 °C
4.67 kW	3.86 kW
2.95	2.24
2.81 kW	2.38 kW
4.26	3.66
1.84 kW	2.11 kW
6.99	4.43
1.33 kW	2.56 kW
8.06	5.56
5.18 kW	4.20 kW
	4.68 -10 °C -10 °C 4.67 kW 2.95 2.81 kW 4.26 1.84 kW 6.99 1.33 kW 8.06



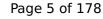


COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.18 kW	4.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2289 kWh	2431 kWh

Colder Climate

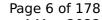
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	48 dB(A)	48 dB(A)	
Sound power level outdoor	36 dB(A)	36 dB(A)	

EN 14825		
	Low temperature	Medium temperature





· · · · · · · · · · · · · · · · · · ·	NK database on 4 May 2022
168 %	128 %
5.27 kW	4.82 kW
4.27	3.28
-16 °C	-15 °C
-20 °C	-18 °C
3.20 kW	2.91 kW
3.17	2.72
1.80 kW	1.91 kW
5.73	4.24
1.14 kW	2.15 kW
7.41	5.03
1.31 kW	2.61 kW
8.16	6.52
4.45 kW	3.89 kW
2.43	1.97
3.50 kW	3.09 kW
2.07	1.64
60 °C	60 °C
22 W	22 W
22 W	22 W
22 W	22 W
	168 % 5.27 kW 4.27 -16 °C -20 °C 3.20 kW 3.17 1.80 kW 5.73 1.14 kW 7.41 1.31 kW 8.16 4.45 kW 2.43 3.50 kW 2.07 60 °C 22 W





PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.27 kW	4.82 kW
Annual energy consumption Qhe	3040 kWh	3621 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.97

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)
Sound power level outdoor	36 dB(A)	36 dB(A)

EN 14825		
Low temperature		Medium temperature
η_{s}	255 %	163 %
Prated	5.77 kW	5.08 kW
SCOP	6.45	4.16
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.77 kW	5.08 kW





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COP Tj = +2°C	2.91	2.09
Pdh Tj = +7°C	3.39 kW	3.55 kW
$COPTj = +7^{\circ}C$	5.70	3.62
Pdh Tj = 12°C	1.79 kW	2.42 kW
COP Tj = 12°C	8.45	5.56
Pdh Tj = Tbiv	5.77 kW	5.08 kW
COP Tj = Tbiv	2.91	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.77 kW	5.08 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.91	2.09
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	1195 kWh	1631 kWh

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	L
Efficiency ηDHW	103 %
СОР	2.43
Heating up time	03:18 h:min
Standby power input	53.0 W
Reference hot water temperature	53.2 °C
Mixed water at 40°C	263 I

Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	95 %	
СОР	2.21	
Heating up time	04:09 h:min	
Standby power input	73.0 W	
Reference hot water temperature	51.8 °C	
Mixed water at 40°C	259 I	

Warmer Climate



EN 16147	
Declared load profile	L
Efficiency ηDHW	109 %
СОР	2.58
Heating up time	02:34 h:min
Standby power input	47.0 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	257 I



Model: Bosch CS7000iAW 7 IRM-S

Configure model		
Model name	Bosch CS7000iAW 7 IRM-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

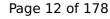
EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.29 kW	2.34 kW
El input	0.46 kW	0.87 kW
СОР	4.96	2.67

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	48 dB(A)	48 dB(A)
Sound power level outdoor	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	140 %
Prated	5.18 kW	4.20 kW
SCOP	4.68	3.57
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.67 kW	3.86 kW
COP Tj = -7°C	2.95	2.24
Pdh Tj = +2°C	2.81 kW	2.38 kW
COP Tj = +2°C	4.26	3.66
Pdh Tj = $+7^{\circ}$ C	1.84 kW	2.11 kW
$COP Tj = +7^{\circ}C$	6.99	4.43
Pdh Tj = 12°C	1.33 kW	2.56 kW
COP Tj = 12°C	8.06	5.56
Pdh Tj = Tbiv	5.18 kW	4.20 kW



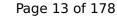


COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.18 kW	4.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2289 kWh	2431 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)
Sound power level outdoor	36 dB(A)	36 dB(A)

EN 14825		
Low temperature Medium temperature		





This information was gener	· · · · · · · · · · · · · · · · · · ·	,
η_{s}	168 %	128 %
Prated	5.27 kW	4.82 kW
SCOP	4.27	3.28
Tbiv	-16 °C	-15 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7 °C	3.20 kW	2.91 kW
COP Tj = -7°C	3.17	2.72
Pdh Tj = +2°C	1.80 kW	1.91 kW
COP Tj = +2°C	5.73	4.24
Pdh Tj = +7°C	1.14 kW	2.15 kW
$COPTj = +7^{\circ}C$	7.41	5.03
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	8.16	6.52
Pdh Tj = Tbiv	4.45 kW	3.89 kW
COP Tj = Tbiv	2.43	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.50 kW	3.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.07	1.64
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
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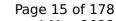


PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.27 kW	4.82 kW
Annual energy consumption Qhe	3040 kWh	3621 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.97

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)
Sound power level outdoor	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	255 %	163 %
Prated	5.77 kW	5.08 kW
SCOP	6.45	4.16
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.77 kW	5.08 kW





2.91	2.09
3.39 kW	3.55 kW
5.70	3.62
1.79 kW	2.42 kW
8.45	5.56
5.77 kW	5.08 kW
2.91	2.09
5.77 kW	5.08 kW
2.91	2.09
60 °C	60 °C
22 W	22 W
22 W	22 W
22 W	22 W
4 W	4 W
Electricity	Electricity
0.00 kW	0.00 kW
1195 kWh	1631 kWh
	3.39 kW 5.70 1.79 kW 8.45 5.77 kW 2.91 5.77 kW 2.91 60 °C 22 W 22 W 22 W 4 W Electricity 0.00 kW

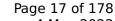
Domestic Hot Water (DHW)

EN 16147	
Declared load profile	L
Efficiency ηDHW	106 %
СОР	2.48
Heating up time	03:14 h:min
Standby power input	51.0 W
Reference hot water temperature	54.3 °C
Mixed water at 40°C	273

Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	97 %
СОР	2.26
Heating up time	04:04 h:min
Standby power input	64.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	271

Warmer Climate





EN 16147	
Declared load profile	L
Efficiency ηDHW	119 %
СОР	2.80
Heating up time	02:31 h:min
Standby power input	45.0 W
Reference hot water temperature	54.2 °C
Mixed water at 40°C	271



Model: Bosch CS7000iAW 7 IRB-S

Configure model		
Model name Bosch CS7000iAW 7 IRB-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	2.29 kW	2.34 kW
El input	0.46 kW	0.87 kW
СОР	4.96	2.67

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	48 dB(A)	48 dB(A)
Sound power level outdoor	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	184 %	140 %
Prated	5.18 kW	4.20 kW
SCOP	4.68	3.57
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.67 kW	3.86 kW
COP Tj = -7°C	2.95	2.24
Pdh Tj = +2°C	2.81 kW	2.38 kW
COP Tj = +2°C	4.26	3.66
Pdh Tj = +7°C	1.84 kW	2.11 kW
COP Tj = +7°C	6.99	4.43
Pdh Tj = 12°C	1.33 kW	2.56 kW
COP Tj = 12°C	8.06	5.56
Pdh Tj = Tbiv	5.18 kW	4.20 kW



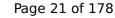


2.64 5.18 kW	1.89
5 18 kW	
5.10 KW	4.20 kW
2.64	1.89
1.00	1.00
60 °C	60 °C
22 W	22 W
22 W	22 W
22 W	22 W
4 W	4 W
n/a	n/a
0.00 kW	0.00 kW
2289 kWh	2431 kWh
	2.64 1.00 60 °C 22 W 22 W 4 W n/a 0.00 kW

Colder Climate

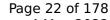
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)
Sound power level outdoor	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	Medium temperature





· · · · · · · · · · · · · · · · · · ·	NK database on 4 May 2022
168 %	128 %
5.27 kW	4.82 kW
4.27	3.28
-16 °C	-15 °C
-20 °C	-18 °C
3.20 kW	2.91 kW
3.17	2.72
1.80 kW	1.91 kW
5.73	4.24
1.14 kW	2.15 kW
7.41	5.03
1.31 kW	2.61 kW
8.16	6.52
4.45 kW	3.89 kW
2.43	1.97
3.50 kW	3.09 kW
2.07	1.64
60 °C	60 °C
22 W	22 W
22 W	22 W
22 W	22 W
	168 % 5.27 kW 4.27 -16 °C -20 °C 3.20 kW 3.17 1.80 kW 5.73 1.14 kW 7.41 1.31 kW 8.16 4.45 kW 2.43 3.50 kW 2.07 60 °C 22 W





PCK	4 W	4 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3040 kWh	3621 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.97

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)
Sound power level outdoor	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	e Medium temperature
η_{s}	255 %	163 %
Prated	5.77 kW	5.08 kW
SCOP	6.45	4.16
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.77 kW	5.08 kW



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This information was generated by the HP KEYMARK database on 4 May 2022

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COP Tj = +2°C	2.91	2.09
Pdh Tj = $+7^{\circ}$ C	3.39 kW	3.55 kW
$COP Tj = +7^{\circ}C$	5.70	3.62
Pdh Tj = 12°C	1.79 kW	2.42 kW
COP Tj = 12°C	8.45	5.56
Pdh Tj = Tbiv	5.77 kW	5.08 kW
COP Tj = Tbiv	2.91	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.77 kW	5.08 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.91	2.09
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1195 kWh	1631 kWh

Model: Bosch CS7000iAW 7 IRE-S

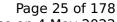
Configure model		
Model name	Bosch CS7000iAW 7 IRE-S	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	2.29 kW	2.34 kW	
El input	0.46 kW	0.87 kW	
СОР	4.96	2.67	

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





EN 14825

	Low temperature	Medium temperature
η_{s}	184 %	140 %
Prated	5.18 kW	4.20 kW
SCOP	4.68	3.57
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.67 kW	3.86 kW
$COP Tj = -7^{\circ}C$	2.95	2.24
Pdh Tj = +2°C	2.81 kW	2.38 kW
$COP Tj = +2^{\circ}C$	4.26	3.66
Pdh Tj = +7°C	1.84 kW	2.11 kW
$COP Tj = +7^{\circ}C$	6.99	4.43
Pdh Tj = 12°C	1.33 kW	2.56 kW
COP Tj = 12°C	8.06	5.56
Pdh Tj = Tbiv	5.18 kW	4.20 kW
COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.18 kW	4.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C





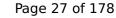
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2289 kWh	2431 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	48 dB(A)	48 dB(A)	
Sound power level outdoor	36 dB(A)	36 dB(A)	

Colder Climate

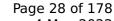
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	48 dB(A)	48 dB(A)	
Sound power level outdoor	36 dB(A)	36 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Inis information was generated by the HP KEYMARK database on 4 May 2022			
η_s	168 %	128 %	
Prated	5.27 kW	4.82 kW	
SCOP	4.27	3.28	
Tbiv	-16 °C	-15 °C	
TOL	-20 °C	-18 °C	
Pdh Tj = -7°C	3.20 kW	2.91 kW	
COP Tj = -7°C	3.17	2.72	
Pdh Tj = +2°C	1.80 kW	1.91 kW	
$COP Tj = +2^{\circ}C$	5.73	4.24	
Pdh Tj = $+7^{\circ}$ C	1.14 kW	2.15 kW	
$COP Tj = +7^{\circ}C$	7.41	5.03	
Pdh Tj = 12°C	1.31 kW	2.61 kW	
COP Tj = 12°C	8.16	6.52	
Pdh Tj = Tbiv	4.45 kW	3.89 kW	
COP Tj = Tbiv	2.43	1.97	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.50 kW	3.09 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.07	1.64	
WTOL	60 °C	60 °C	
Poff	22 W	22 W	
РТО	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	5.27 kW	4.82 kW
Annual energy consumption Qhe	3040 kWh	3621 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.44	1.97

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)
Sound power level outdoor	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	255 %	163 %
Prated	5.77 kW	5.08 kW
SCOP	6.45	4.16
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.77 kW	5.08 kW



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This information was generated by the HP KEYMARK database on 4 May 2022

COP Tj = +2°C	2.91	2.09
Pdh Tj = +7°C	3.39 kW	3.55 kW
$COP Tj = +7^{\circ}C$	5.70	3.62
Pdh Tj = 12°C	1.79 kW	2.42 kW
COP Tj = 12°C	8.45	5.56
Pdh Tj = Tbiv	5.77 kW	5.08 kW
COP Tj = Tbiv	2.91	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.77 kW	5.08 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.91	2.09
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	1195 kWh	1631 kWh



Model: Bosch CS7000iAW 7 ORMS-S

Configure model		
Model name	Bosch CS7000iAW 7 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		

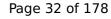
Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.29 kW	2.40 kW
El input	0.43 kW	0.88 kW
СОР	5.27	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

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 temperatur	Medium temperature	
202 %	143 %	
5.43 kW	4.56 kW	
5.13	3.65	
-10 °C	-10 °C	
-10 °C	-10 °C	
4.91 kW	4.26 kW	
3.08	2.24	
2.92 kW	2.57 kW	
5.00	3.66	
1.84 kW	2.11 kW	
6.99	4.68	
1.33 kW	2.56 kW	
8.38	6.14	
5.43 kW	4.56 kW	
	Low temperature 202 % 5.43 kW 5.13 -10 °C -10 °C 4.91 kW 3.08 2.92 kW 5.00 1.84 kW 6.99 1.33 kW 8.38	



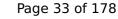


COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.43 kW	4.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2190 kWh	2580 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





	acea by the fit RETIN	The database of Thay 2022
η_s	178 %	130 %
Prated	5.11 kW	4.82 kW
SCOP	4.53	3.32
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-19 °C
Pdh Tj = -7°C	3.20 kW	3.01 kW
COP Tj = -7°C	3.61	2.72
Pdh Tj = +2°C	1.80 kW	1.91 kW
COP Tj = +2°C	5.73	4.24
Pdh Tj = +7°C	1.19 kW	2.15 kW
COP Tj = +7°C	7.41	5.03
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	8.16	6.52
Pdh Tj = Tbiv	4.45 kW	4.20 kW
COP Tj = Tbiv	2.43	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.65
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W



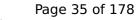


PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.11 kW	4.82 kW
Annual energy consumption Qhe	2781 kWh	3575 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.68	1.97

Warmer 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
η_{s}	261 %	175 %
Prated	6.27 kW	5.60 kW
SCOP	6.59	4.45
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.27 kW	5.60 kW





This information was genera		intradicabase on Thay 202
COP Tj = +2°C	3.05	2.19
Pdh Tj = +7°C	4.09 kW	3.77 kW
$COPTj = +7^{\circ}C$	5.70	3.86
Pdh Tj = 12°C	1.79 kW	2.54 kW
COP Tj = 12°C	8.77	5.94
Pdh Tj = Tbiv	6.27 kW	5.60 kW
COP Tj = Tbiv	3.05	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.27 kW	5.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2.19
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	1270 kWh	1683 kWh

Domestic Hot Water (DHW)

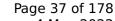


EN 16147		
Declared load profile	L	
Efficiency ηDHW	103 %	
Mixed water at 40°C	263 I	
СОР	2.43	
Heating up time	03:18 h:min	
Standby power input	53.0 W	
Reference hot water temperature	53.2 °C	

Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	95 %	
СОР	2.21	
Heating up time	04:09 h:min	
Standby power input	73.0 W	
Reference hot water temperature	51.2 °C	
Mixed water at 40°C	259 I	

Warmer Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	109 %	
СОР	2.58	
Heating up time	02:34 h:min	
Standby power input	47.0 W	
Reference hot water temperature	52.8 °C	
Mixed water at 40°C	257 I	



Model: Bosch CS7000iAW 7 ORM-S

Configure model		
Model name	Bosch CS7000iAW 7 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	2.29 kW	2.40 kW
El input	0.43 kW	0.88 kW
СОР	5.27	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



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
η_{s}	202 %	143 %
Prated	5.43 kW	4.56 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.91 kW	4.26 kW
COP Tj = -7°C	3.08	2.24
Pdh Tj = +2°C	2.92 kW	2.57 kW
COP Tj = +2°C	5.00	3.66
Pdh Tj = +7°C	1.84 kW	2.11 kW
COP Tj = +7°C	6.99	4.68
Pdh Tj = 12°C	1.33 kW	2.56 kW
COP Tj = 12°C	8.38	6.14
Pdh Tj = Tbiv	5.43 kW	4.56 kW



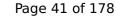


COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.43 kW	4.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2190 kWh	2580 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





This information was gener	ated by the HE KLIMA	The database off 4 May 2022
η_{s}	178 %	130 %
Prated	5.11 kW	4.82 kW
SCOP	4.53	3.32
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-19 °C
Pdh Tj = -7°C	3.20 kW	3.01 kW
$COP Tj = -7^{\circ}C$	3.61	2.72
Pdh Tj = +2°C	1.80 kW	1.91 kW
COP Tj = +2°C	5.73	4.24
Pdh Tj = +7°C	1.19 kW	2.15 kW
$COP Tj = +7^{\circ}C$	7.41	5.03
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	8.16	6.52
Pdh Tj = Tbiv	4.45 kW	4.20 kW
COP Tj = Tbiv	2.43	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.65
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W



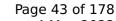


PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.11 kW	4.82 kW
Annual energy consumption Qhe	2781 kWh	3575 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.68	1.97

Warmer 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		
η_{s}	261 %	175 %
Prated	6.27 kW	5.60 kW
SCOP	6.59	4.45
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.27 kW	5.60 kW





COP Tj = +2°C	3.05	2.19
Pdh Tj = +7°C	4.09 kW	3.77 kW
$COP Tj = +7^{\circ}C$	5.70	3.86
Pdh Tj = 12°C	1.79 kW	2.54 kW
COP Tj = 12°C	8.77	5.94
Pdh Tj = Tbiv	6.27 kW	5.60 kW
COP Tj = Tbiv	3.05	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.27 kW	5.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2.19
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	1270 kWh	1683 kWh

Domestic Hot Water (DHW)

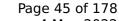


EN 16147		
Declared load profile	L	
Efficiency ηDHW	106 %	
Mixed water at 40°C	273	
СОР	2.48	
Heating up time	03:14 h:min	
Standby power input	51.0 W	
Reference hot water temperature	54.3 °C	

Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	97 %
СОР	2.26
Heating up time	04:04 h:min
Standby power input	64.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	271

Warmer Climate





EN 16147	
Declared load profile	L
Efficiency ηDHW	119 %
СОР	2.79
Heating up time	02:31 h:min
Standby power input	45.0 W
Reference hot water temperature	54.2 °C
Mixed water at 40°C	271

Model: Bosch CS7000iAW 7 ORB-S

Configure model		
Model name	Bosch CS7000iAW 7 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	2.29 kW	2.40 kW	
El input	0.43 kW	0.88 kW	
COP	5.27	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

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
η_{s}	202 %	143 %
Prated	5.43 kW	4.56 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.91 kW	4.26 kW
COP Tj = -7°C	3.08	2.24
Pdh Tj = +2°C	2.92 kW	2.57 kW
COP Tj = +2°C	5.00	3.66
Pdh Tj = $+7^{\circ}$ C	1.84 kW	2.11 kW
COP Tj = +7°C	6.99	4.68
Pdh Tj = 12°C	1.33 kW	2.56 kW
COP Tj = 12°C	8.38	6.14
Pdh Tj = Tbiv	5.43 kW	4.56 kW





COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.43 kW	4.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
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	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2190 kWh	2580 kWh

Colder Climate

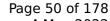
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	29 dB(A)	29 dB(A)	
Sound power level outdoor	47 dB(A)	47 dB(A)	

EN 14825		
	Low temperature	Medium temperature





	acea by the fill RETIN	The database of Thay 2022
η_s	178 %	130 %
Prated	5.11 kW	4.82 kW
SCOP	4.53	3.32
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-19 °C
Pdh Tj = -7°C	3.20 kW	3.01 kW
COP Tj = -7°C	3.61	2.72
Pdh Tj = +2°C	1.80 kW	1.91 kW
COP Tj = +2°C	5.73	4.24
Pdh Tj = $+7^{\circ}$ C	1.19 kW	2.15 kW
COP Tj = +7°C	7.41	5.03
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	8.16	6.52
Pdh Tj = Tbiv	4.45 kW	4.20 kW
COP Tj = Tbiv	2.43	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.65
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W





PCK	4 W	4 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2781 kWh	3575 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.68	1.97

Warmer 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
η_{s}	261 %	175 %
Prated	6.27 kW	5.60 kW
SCOP	6.59	4.45
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.27 kW	5.60 kW



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This information was generated by the HP KEYMARK database on 4 May 2022

COP Tj = +2°C	3.05	2.19
Pdh Tj = +7°C	4.09 kW	3.77 kW
COP Tj = +7°C	5.70	3.86
Pdh Tj = 12°C	1.79 kW	2.54 kW
COP Tj = 12°C	8.77	5.94
Pdh Tj = Tbiv	6.27 kW	5.60 kW
COP Tj = Tbiv	3.05	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.27 kW	5.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2.19
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1270 kWh	1683 kWh



Model: Bosch CS7000iAW 7 ORE-S

Configure model		
Model name	Bosch CS7000iAW 7 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

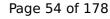
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	2.29 kW	2.40 kW	
El input	0.43 kW	0.88 kW	
СОР	5.27	2.75	

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



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 temperatur	Medium temperature	
202 %	143 %	
5.43 kW	4.56 kW	
5.13	3.65	
-10 °C	-10 °C	
-10 °C	-10 °C	
4.91 kW	4.26 kW	
3.08	2.24	
2.92 kW	2.57 kW	
5.00	3.66	
1.84 kW	2.11 kW	
6.99	4.68	
1.33 kW	2.56 kW	
8.38	6.14	
5.43 kW	4.56 kW	
	Low temperature 202 % 5.43 kW 5.13 -10 °C -10 °C 4.91 kW 3.08 2.92 kW 5.00 1.84 kW 6.99 1.33 kW 8.38	



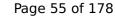


COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.43 kW	4.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2190 kWh	2580 kWh

Colder Climate

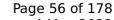
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	29 dB(A)	29 dB(A)	
Sound power level outdoor	47 dB(A)	47 dB(A)	

EN 14825		
	Low temperature	Medium temperature





This information was gener	ated by the HE KLIMA	The database off 4 May 2022
η_{s}	178 %	130 %
Prated	5.11 kW	4.82 kW
SCOP	4.53	3.32
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-19 °C
Pdh Tj = -7°C	3.20 kW	3.01 kW
$COP Tj = -7^{\circ}C$	3.61	2.72
Pdh Tj = +2°C	1.80 kW	1.91 kW
$COPTj = +2^{\circ}C$	5.73	4.24
Pdh Tj = +7°C	1.19 kW	2.15 kW
$COP Tj = +7^{\circ}C$	7.41	5.03
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	8.16	6.52
Pdh Tj = Tbiv	4.45 kW	4.20 kW
COP Tj = Tbiv	2.43	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.65
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	5.11 kW	4.82 kW
Annual energy consumption Qhe	2781 kWh	3575 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.68	1.97

Warmer 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
η_{s}	261 %	175 %
Prated	6.27 kW	5.60 kW
SCOP	6.59	4.45
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.27 kW	5.60 kW



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This information was generated by the HP KEYMARK database on 4 May 2022

COP Tj = +2°C	3.05	2.19
Pdh Tj = +7°C	4.09 kW	3.77 kW
$COP Tj = +7^{\circ}C$	5.70	3.86
Pdh Tj = 12°C	1.79 kW	2.54 kW
COP Tj = 12°C	8.77	5.94
Pdh Tj = Tbiv	6.27 kW	5.60 kW
COP Tj = Tbiv	3.05	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.27 kW	5.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2.19
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	1270 kWh	1683 kWh

Model: Bosch Compress 6000 AW-7 AWB

Configure model		
Model name	Bosch Compress 6000 AW-7 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

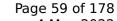
COP

5.27

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	2.29 kW	2.40 kW	
El input	0.43 kW	0.88 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





EN 14825

	Low temperature	Medium temperature
η_{S}	202 %	143 %
Prated	5.43 kW	4.56 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7 °C	4.91 kW	4.26 kW
COP Tj = -7°C	3.08	2.24
Pdh Tj = +2°C	2.92 kW	2.57 kW
$COP Tj = +2^{\circ}C$	5.00	3.66
Pdh Tj = +7°C	1.84 kW	2.11 kW
$COP Tj = +7^{\circ}C$	6.99	4.68
Pdh Tj = 12°C	1.33 kW	2.56 kW
COP Tj = 12°C	8.38	6.14
Pdh Tj = Tbiv	5.43 kW	4.56 kW
COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.43 kW	4.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
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	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2190 kWh	2580 kWh

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)	

Colder Climate

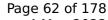
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	29 dB(A)	29 dB(A)	
Sound power level outdoor	47 dB(A)	47 dB(A)	

EN 14825			
	Low temperature	Medium temperature	





This information was gener	accuby the Hi KETMA	IRK database on 4 May 2022
η_{s}	178 %	130 %
Prated	5.11 kW	4.82 kW
SCOP	4.53	3.32
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-19 °C
Pdh Tj = -7°C	3.20 kW	3.01 kW
$COP Tj = -7^{\circ}C$	3.61	2.72
Pdh Tj = $+2$ °C	1.80 kW	1.91 kW
COP Tj = +2°C	5.73	4.24
Pdh Tj = $+7^{\circ}$ C	1.19 kW	2.15 kW
$COP Tj = +7^{\circ}C$	7.41	5.03
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	8.16	6.52
Pdh Tj = Tbiv	4.45 kW	4.20 kW
COP Tj = Tbiv	2.43	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.65
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
	1	





PCK	4 W	4 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2781 kWh	3575 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.68	1.97

Warmer 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	e Medium temperature	
η_{s}	261 %	175 %	
Prated	6.27 kW	5.60 kW	
SCOP	6.59	4.45	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	6.27 kW	5.60 kW	



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This information was generated by the HP KEYMARK database on 4 May 2022

	•	
COP Tj = +2°C	3.05	2.19
Pdh Tj = $+7^{\circ}$ C	4.09 kW	3.77 kW
$COP Tj = +7^{\circ}C$	5.70	3.86
Pdh Tj = 12°C	1.79 kW	2.54 kW
COP Tj = 12°C	8.77	5.94
Pdh Tj = Tbiv	6.27 kW	5.60 kW
COP Tj = Tbiv	3.05	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.27 kW	5.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2.19
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1270 kWh	1683 kWh



Model: Bosch Compress 6000 AW-7 AWM

Configure model		
Model name Bosch Compress 6000 AW-7 AWM		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

EN 14511-2

Heating

Heat output

5.27

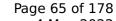
El input

COP

Low temperature	Medium temperature	
2.29 kW	2.40 kW	
0.43 kW	0.88 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





EN 14825

	Low temperature	Medium temperature
η_{S}	202 %	143 %
Prated	5.43 kW	4.56 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7 °C	4.91 kW	4.26 kW
COP Tj = -7°C	3.08	2.24
Pdh Tj = +2°C	2.92 kW	2.57 kW
$COP Tj = +2^{\circ}C$	5.00	3.66
Pdh Tj = +7°C	1.84 kW	2.11 kW
$COP Tj = +7^{\circ}C$	6.99	4.68
Pdh Tj = 12°C	1.33 kW	2.56 kW
COP Tj = 12°C	8.38	6.14
Pdh Tj = Tbiv	5.43 kW	4.56 kW
COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.43 kW	4.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
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	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	2190 kWh	2580 kWh

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)	

Colder Climate

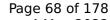
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	25 dB(A)	25 dB(A)	
Sound power level outdoor	47 dB(A)	47 dB(A)	

EN 14825		
	Low temperature	Medium temperature





This information was gener	accuby the Hi KETMA	IRK database on 4 May 2022
η_{s}	178 %	130 %
Prated	5.11 kW	4.82 kW
SCOP	4.53	3.32
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-19 °C
Pdh Tj = -7°C	3.20 kW	3.01 kW
$COP Tj = -7^{\circ}C$	3.61	2.72
Pdh Tj = $+2$ °C	1.80 kW	1.91 kW
COP Tj = +2°C	5.73	4.24
Pdh Tj = $+7^{\circ}$ C	1.19 kW	2.15 kW
$COP Tj = +7^{\circ}C$	7.41	5.03
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	8.16	6.52
Pdh Tj = Tbiv	4.45 kW	4.20 kW
COP Tj = Tbiv	2.43	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.65
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
	1	



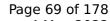


PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.11 kW	4.82 kW
Annual energy consumption Qhe	2781 kWh	3575 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.68	1.97

Warmer 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
η_{s}	261 %	175 %
Prated	6.27 kW	5.60 kW
SCOP	6.59	4.45
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.27 kW	5.60 kW





COP Tj = +2°C	3.05	2.19
Pdh Tj = $+7^{\circ}$ C	4.09 kW	3.77 kW
$COP Tj = +7^{\circ}C$	5.70	3.86
Pdh Tj = 12°C	1.79 kW	2.54 kW
COP Tj = 12°C	8.77	5.94
Pdh Tj = Tbiv	6.27 kW	5.60 kW
COP Tj = Tbiv	3.05	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.27 kW	5.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2.19
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	1270 kWh	1683 kWh

Domestic Hot Water (DHW)

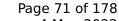


EN 16147		
Declared load profile	L	
Efficiency ηDHW	106 %	
СОР	2.48	
Heating up time	03:14 h:min	
Standby power input	51.0 W	
Reference hot water temperature	54.3 °C	
Mixed water at 40°C	273 I	

Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	97 %	
СОР	2.26	
Heating up time	04:04 h:min	
Standby power input	64.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	271	

Warmer Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	119 %	
СОР	2.79	
Heating up time	02:31 h:min	
Standby power input	45.0 W	
Reference hot water temperature	54.2 °C	
Mixed water at 40°C	271	

Model: Bosch Compress 6000 AW-7 AWMS

Configure model		
Model name	Bosch Compress 6000 AW-7 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	

EN 14511-2

Heating

Heat output

5.27

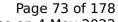
El input

COP

Low temperature	Medium temperature	
2.29 kW	2.40 kW	
0.43 kW	0.88 kW	

2.75

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





EN 14825

	Low temperature	Medium temperature
η_{S}	202 %	143 %
Prated	5.43 kW	4.56 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.91 kW	4.26 kW
COP Tj = -7° C	3.08	2.24
Pdh Tj = $+2^{\circ}$ C	2.92 kW	2.57 kW
COP Tj = +2°C	5.00	3.66
Pdh Tj = $+7^{\circ}$ C	1.84 kW	2.11 kW
$COP Tj = +7^{\circ}C$	6.99	4.68
Pdh Tj = 12°C	1.33 kW	2.56 kW
COP Tj = 12°C	8.38	6.14
Pdh Tj = Tbiv	5.43 kW	4.56 kW
COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.43 kW	4.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C





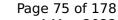
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2190 kWh	2580 kWh

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)	

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





This information was gener	accuby the Hi KETMA	IRK database on 4 May 2022
η_{s}	178 %	130 %
Prated	5.11 kW	4.82 kW
SCOP	4.53	3.32
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-19 °C
Pdh Tj = -7°C	3.20 kW	3.01 kW
$COP Tj = -7^{\circ}C$	3.61	2.72
Pdh Tj = $+2$ °C	1.80 kW	1.91 kW
COP Tj = +2°C	5.73	4.24
Pdh Tj = $+7^{\circ}$ C	1.19 kW	2.15 kW
$COP Tj = +7^{\circ}C$	7.41	5.03
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	8.16	6.52
Pdh Tj = Tbiv	4.45 kW	4.20 kW
COP Tj = Tbiv	2.43	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.65
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
	1	



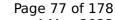


PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.11 kW	4.82 kW
Annual energy consumption Qhe	2781 kWh	3575 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.68	1.97

Warmer 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
η_{s}	261 %	175 %
Prated	6.27 kW	5.60 kW
SCOP	6.59	4.45
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.27 kW	5.60 kW





····· 9		,
COP Tj = +2°C	3.05	2.19
Pdh Tj = $+7^{\circ}$ C	4.09 kW	3.77 kW
$COP Tj = +7^{\circ}C$	5.70	3.86
Pdh Tj = 12°C	1.79 kW	2.54 kW
COP Tj = 12°C	8.77	5.94
Pdh Tj = Tbiv	6.27 kW	5.60 kW
COP Tj = Tbiv	3.05	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.27 kW	5.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2.19
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	1270 kWh	1683 kWh

Domestic Hot Water (DHW)

Average Climate

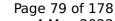


EN 16147		
Declared load profile	L	
Efficiency ηDHW	103 %	
СОР	2.43	
Heating up time	03:18 h:min	
Standby power input	53.0 W	
Reference hot water temperature	53.2 °C	
Mixed water at 40°C	263 I	

Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	95 %	
СОР	2.21	
Heating up time	04:09 h:min	
Standby power input	73.0 W	
Reference hot water temperature	51.2 °C	
Mixed water at 40°C	259 I	

Warmer Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	109 %	
СОР	2.58	
Heating up time	02:34 h:min	
Standby power input	47.0 W	
Reference hot water temperature	52.8 °C	
Mixed water at 40°C	257 I	



Model: Bosch Compress 6000 AW-7 AWE

Configure model		
Model name Bosch Compress 6000 AW-7 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	

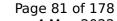
Heating

143	TT-Z	

	Low temperature	Medium temperature
Heat output	2.29 kW	2.40 kW
El input	0.43 kW	0.88 kW
СОР	5.27	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	

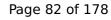
Average Climate





EN 14825

	Low temperature	Medium temperature
η_{s}	202 %	143 %
Prated	5.43 kW	4.56 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.91 kW	4.26 kW
$COPTj = -7^{\circ}C$	3.08	2.24
Pdh Tj = $+2$ °C	2.92 kW	2.57 kW
$COP Tj = +2^{\circ}C$	5.00	3.66
Pdh Tj = $+7^{\circ}$ C	1.84 kW	2.11 kW
$COPTj = +7^{\circ}C$	6.99	4.68
Pdh Tj = 12°C	1.33 kW	2.56 kW
COP Tj = 12°C	8.38	6.14
Pdh Tj = Tbiv	5.43 kW	4.56 kW
COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	5.43 kW	4.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	1.00	1.00
WTOL	60 °C	60 °C





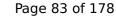
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2190 kWh	2580 kWh

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)	

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





		THE database of Thay 202
η_{s}	178 %	130 %
Prated	5.11 kW	4.82 kW
SCOP	4.53	3.32
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-19 °C
Pdh Tj = -7° C	3.20 kW	3.01 kW
$COP Tj = -7^{\circ}C$	3.61	2.72
Pdh Tj = +2°C	1.80 kW	1.91 kW
COP Tj = +2°C	5.73	4.24
Pdh Tj = $+7^{\circ}$ C	1.19 kW	2.15 kW
$COPTj = +7^{\circ}C$	7.41	5.03
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	8.16	6.52
Pdh Tj = Tbiv	4.45 kW	4.20 kW
COP Tj = Tbiv	2.43	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.65
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	5.11 kW	4.82 kW
Annual energy consumption Qhe	2781 kWh	3575 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.68	1.97

Warmer 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
η_{s}	261 %	175 %
Prated	6.27 kW	5.60 kW
SCOP	6.59	4.45
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.27 kW	5.60 kW



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This information was generated by the HP KEYMARK database on 4 May 2022

COP Tj = +2°C	3.05	2.19
Pdh Tj = +7°C	4.09 kW	3.77 kW
$COP Tj = +7^{\circ}C$	5.70	3.86
Pdh Tj = 12°C	1.79 kW	2.54 kW
COP Tj = 12°C	8.77	5.94
Pdh Tj = Tbiv	6.27 kW	5.60 kW
COP Tj = Tbiv	3.05	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.27 kW	5.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2.19
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	1270 kWh	1683 kWh



Model: Bosch CS7400iAW 5 ORB

Configure model		
Model name	Bosch CS7400iAW 5 ORB	
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	2.82 kW	1.78 kW	
El input	0.56 kW	0.69 kW	
СОР	5.01	2.57	

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

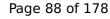
Average Climate





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	196 %	133 %
Prated	4.76 kW	4.49 kW
SCOP	4.98	3.40
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.27 kW	3.93 kW
COP Tj = -7°C	3.11	2.11
Pdh Tj = +2°C	2.51 kW	2.41 kW
COP Tj = +2°C	4.96	3.36
Pdh Tj = +7°C	1.51 kW	2.06 kW
COP Tj = +7°C	6.40	4.41
Pdh Tj = 12°C	1.27 kW	2.45 kW
COP Tj = 12°C	7.53	5.76
Pdh Tj = Tbiv	4.76 kW	4.49 kW



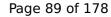


COP Tj = Tbiv	2.68	1.82
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.76 kW	4.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.82
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	o w	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1975 kWh	2724 kWh

Colder Climate

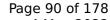
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	168 %	118 %





This information was gene		TRK database on 4 May 2022
Prated	4.30 kW	4.00 kW
SCOP	4.27	3.03
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7 °C	2.50 kW	2.29 kW
$COP Tj = -7^{\circ}C$	3.64	2.52
Cdh Tj = -7 °C		
Pdh Tj = +2°C	1.49 kW	1.80 kW
$COPTj = +2^{\circ}C$	5.22	3.82
Cdh Tj = +2 °C		
Pdh Tj = +7°C	1.14 kW	2.08 kW
$COPTj = +7^{\circ}C$	6.44	4.68
Cdh Tj = +7 °C		
Pdh Tj = 12°C	1.24 kW	2.48 kW
COP Tj = 12°C	7.03	6.02
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	3.75 kW	3.53 kW
COP Tj = Tbiv	2.29	1.64
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.44 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.11	1.56
WTOL	60 °C	60 °C
	·	



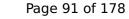


Poff	17 W	17 W
PTO	22 W	22 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2482 kWh	3252 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.75	3.53
COP Tj = -15°C (if TOL $<$ -20°C)	2.29	1.64
Cdh Tj = -15 °C		

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

	EN 14825		
Low temperature	Medium temperature		
240 %	163 %		
5.50 kW	5.40 kW		
_	240 %		





This information was genera	The thirt is the training	Tax database on Thay 2022
SCOP	6.07	4.16
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.48 kW	5.40 kW
COP Tj = +2°C	3.03	2.10
Pdh Tj = $+7^{\circ}$ C	3.81 kW	3.56 kW
$COP Tj = +7^{\circ}C$	5.16	3.57
Pdh Tj = 12°C	1.71 kW	2.44 kW
COP Tj = 12°C	8.06	5.53
Pdh Tj = Tbiv	5.48 kW	5.40 kW
COP Tj = Tbiv	3.03	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.48 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.03	2.10
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	1211 kWh	1736 kWh



Model: Bosch CS7400iAW 5 ORE

Configure model		
Model name	Bosch CS7400iAW 5 ORE	
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	2.82 kW	1.78 kW
El input	0.56 kW	0.69 kW
СОР	5.01	2.57

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	29 dB(A)	29 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	196 %	133 %
Prated	4.76 kW	4.49 kW
SCOP	4.98	3.40
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.27 kW	3.93 kW
COP Tj = -7°C	3.11	2.11
Pdh Tj = +2°C	2.51 kW	2.41 kW
COP Tj = +2°C	4.96	3.36
Pdh Tj = +7°C	1.51 kW	2.06 kW
COP Tj = +7°C	6.40	4.41
Pdh Tj = 12°C	1.27 kW	2.45 kW
COP Tj = 12°C	7.53	5.76
Pdh Tj = Tbiv	4.76 kW	4.49 kW



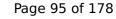


COP Tj = Tbiv	2.68	1.82
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.76 kW	4.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.82
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1975 kWh	2724 kWh

Colder Climate

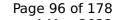
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	168 %	118 %





This information was gene	Taled by the HP KETMA	ARK database on 4 May 2022
Prated	4.30 kW	4.00 kW
SCOP	4.27	3.03
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	2.50 kW	2.29 kW
$COPTj = -7^{\circ}C$	3.64	2.52
Cdh Tj = -7 °C		
Pdh Tj = +2°C	1.49 kW	1.80 kW
COP Tj = +2°C	5.22	3.82
Cdh Tj = +2 °C		
Pdh Tj = $+7^{\circ}$ C	1.14 kW	2.08 kW
$COPTj = +7^{\circ}C$	6.44	4.68
Cdh Tj = +7 °C		
Pdh Tj = 12°C	1.24 kW	2.48 kW
COP Tj = 12°C	7.03	6.02
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	3.75 kW	3.53 kW
COP Tj = Tbiv	2.29	1.64
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.44 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.11	1.56
WTOL	60 °C	60 °C



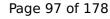


	<u> </u>	
Poff	17 W	17 W
PTO	22 W	22 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.30 kW	4.00 kW
Annual energy consumption Qhe	2482 kWh	3252 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.75	3.53
COP Tj = -15°C (if TOL $<$ -20°C)	2.29	1.64
Cdh Tj = -15 °C		

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

Low temperature	Medium temperature
240 %	163 %
5.50 kW	5.40 kW
_	240 %





This information was gener	acea by the fill RETHIN	ittle database on + may 2022
SCOP	6.07	4.16
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.48 kW	5.40 kW
COP Tj = +2°C	3.03	2.10
Pdh Tj = $+7^{\circ}$ C	3.81 kW	3.56 kW
$COPTj = +7^{\circ}C$	5.16	3.57
Pdh Tj = 12°C	1.71 kW	2.44 kW
COP Tj = 12°C	8.06	5.53
Pdh Tj = Tbiv	5.48 kW	5.40 kW
COP Tj = Tbiv	3.03	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.48 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.03	2.10
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	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1211 kWh	1736 kWh

Model: Bosch CS7400iAW 5 ORM

Configure model		
Model name	Bosch CS7400iAW 5 ORM	
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	2.82 kW	1.78 kW
El input	0.56 kW	0.69 kW
COP	5.01	2 57

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	25 dB(A)	25 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	196 %	133 %
Prated	4.76 kW	4.49 kW
SCOP	4.98	3.40
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.27 kW	3.93 kW
COP Tj = -7°C	3.11	2.11
Pdh Tj = +2°C	2.51 kW	2.41 kW
COP Tj = +2°C	4.96	3.36
Pdh Tj = +7°C	1.51 kW	2.06 kW
COP Tj = +7°C	6.40	4.41
Pdh Tj = 12°C	1.27 kW	2.45 kW
COP Tj = 12°C	7.53	5.76
Pdh Tj = Tbiv	4.76 kW	4.49 kW



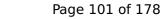


COP Tj = Tbiv	2.68	1.82
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.76 kW	4.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.82
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1975 kWh	2724 kWh

Colder Climate

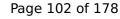
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	25 dB(A)	25 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	168 %	118 %





Prated	4.30 kW	4.00 kW
SCOP	4.27	3.03
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	2.50 kW	2.29 kW
$COP Tj = -7^{\circ}C$	3.64	2.52
Cdh Tj = -7 °C		
Pdh Tj = $+2$ °C	1.49 kW	1.80 kW
COP Tj = +2°C	5.22	3.82
Cdh Tj = +2 °C		
Pdh Tj = $+7^{\circ}$ C	1.14 kW	2.08 kW
$COP Tj = +7^{\circ}C$	6.44	4.68
Cdh Tj = +7 °C		
Pdh Tj = 12°C	1.24 kW	2.48 kW
COP Tj = 12°C	7.03	6.02
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	3.75 kW	3.53 kW
COP Tj = Tbiv	2.29	1.64
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.44 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.11	1.56
WTOL	60 °C	60 °C



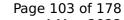


17 W	17 W
22 W	22 W
17 W	17 W
o w	o w
Electricity	Electricity
4.30 kW	4.00 kW
2482 kWh	3252 kWh
3.75	1.64
2.29	1.64
	22 W 17 W 0 W Electricity 4.30 kW 2482 kWh 3.75

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	25 dB(A)	25 dB(A)	
Sound power level outdoor	50 dB(A)	50 dB(A)	

	EN 14825		
Low temperature	Medium temperature		
240 %	163 %		
5.50 kW	5.40 kW		
_	240 %		





This information was gener	acea by the fill RETHIN	ittle database on + may 2022
SCOP	6.07	4.16
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.48 kW	5.40 kW
COP Tj = +2°C	3.03	2.10
Pdh Tj = $+7^{\circ}$ C	3.81 kW	3.56 kW
$COPTj = +7^{\circ}C$	5.16	3.57
Pdh Tj = 12°C	1.71 kW	2.44 kW
COP Tj = 12°C	8.06	5.53
Pdh Tj = Tbiv	5.48 kW	5.40 kW
COP Tj = Tbiv	3.03	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.48 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.03	2.10
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	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1211 kWh	1736 kWh



Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	100 %	
СОР	2.36	
Heating up time	03:34 h:min	
Standby power input	52.0 W	
Reference hot water temperature	53.5 °C	
Mixed water at 40°C	271	

Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	84 %	
СОР	1.96	
Heating up time	04:11 h:min	
Standby power input	66.0 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	279	



Warmer Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	119 %	
СОР	2.80	
Heating up time	02:49 h:min	
Standby power input	47.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	261 I	



Model: Bosch CS7400iAW 5 ORMS

Configure model		
Model name Bosch CS7400iAW 5 ORMS		
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

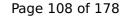
EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	2.82 kW	1.78 kW
El input	0.56 kW	0.69 kW
СОР	5.01	2.57

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	25 dB(A)	25 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	196 %	133 %
Prated	4.76 kW	4.49 kW
SCOP	4.98	3.40
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.27 kW	3.93 kW
COP Tj = -7°C	3.11	2.11
Pdh Tj = +2°C	2.51 kW	2.41 kW
COP Tj = +2°C	4.96	3.36
Pdh Tj = +7°C	1.51 kW	2.06 kW
COP Tj = +7°C	6.40	4.41
Pdh Tj = 12°C	1.27 kW	2.45 kW
COP Tj = 12°C	7.53	5.76
Pdh Tj = Tbiv	4.76 kW	4.49 kW



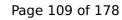


COP Tj = Tbiv	2.68	1.82
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.76 kW	4.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.82
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1975 kWh	2724 kWh

Colder Climate

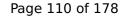
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	25 dB(A)	25 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	168 %	118 %





This information was gene	Tated by the HP KETMA	ARK database on 4 May 2022
Prated	4.30 kW	4.00 kW
SCOP	4.27	3.03
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	2.50 kW	2.29 kW
$COPTj = -7^{\circ}C$	3.64	2.52
Cdh Tj = -7 °C		
Pdh Tj = +2°C	1.49 kW	1.80 kW
COP Tj = +2°C	5.22	3.82
Cdh Tj = +2 °C		
Pdh Tj = $+7^{\circ}$ C	1.14 kW	2.08 kW
$COPTj = +7^{\circ}C$	6.44	4.68
Cdh Tj = +7 °C		
Pdh Tj = 12°C	1.24 kW	2.48 kW
COP Tj = 12°C	7.03	6.02
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	3.75 kW	3.53 kW
COP Tj = Tbiv	2.29	1.64
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.44 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.11	1.56
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	4.30 kW	4.00 kW
Annual energy consumption Qhe	2482 kWh	3252 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.75	1.64
COP Tj = -15°C (if TOL $<$ -20°C)	2.29	1.64
Cdh Tj = -15 °C		

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	25 dB(A)	25 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	240 %	163 %
Prated	5.50 kW	5.40 kW
	·	



This information was generated by the HP KEYMARK database on 4 May				
SCOP	6.07	4.16		
Tbiv	2 °C	2 °C		
TOL	2 °C	2 °C		
Pdh Tj = +2°C	5.48 kW	5.40 kW		
COP Tj = +2°C	3.03	2.10		
Pdh Tj = +7°C	3.81 kW	3.56 kW		
COP Tj = +7°C	5.16	3.57		
Pdh Tj = 12°C	1.71 kW	2.44 kW		
COP Tj = 12°C	8.06	5.53		
Pdh Tj = Tbiv	5.48 kW	5.40 kW		
COP Tj = Tbiv	3.03	2.10		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.48 kW	5.40 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.03	2.10		
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	1211 kWh	1736 kWh		

CEN heat pump KEYMARK



Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	98 %	
СОР	2.31	
Heating up time	03:12 h:min	
Standby power input	54.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	261 l	

EN 16147		
Declared load profile	L	
Efficiency ηDHW	80 %	
СОР	1.88	
Heating up time	04:05 h:min	
Standby power input	67.0 W	
Reference hot water temperature	51.7 °C	
Mixed water at 40°C	259 I	



EN 16147		
Declared load profile	L	
Efficiency ηDHW	110 %	
СОР	2.58	
Heating up time	02:45 h:min	
Standby power input	49.0 W	
Reference hot water temperature	51.7 °C	
Mixed water at 40°C	247	



Model: Bosch CS7001iAW 7 ORM-S

Configure model		
Model name	Bosch CS7001iAW 7 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

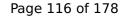
EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.29 kW	2.40 kW
El input	0.43 kW	0.88 kW
СОР	5.27	2.75

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

EN 14825		
Low temperatur	Medium temperature	
202 %	143 %	
5.43 kW	4.56 kW	
5.13	3.65	
-10 °C	-10 °C	
-10 °C	-10 °C	
4.91 kW	4.26 kW	
3.08	2.24	
2.92 kW	2.57 kW	
5.00	3.66	
1.84 kW	2.11 kW	
6.99	4.68	
1.33 kW	2.56 kW	
8.38	6.14	
5.43 kW	4.56 kW	
	Low temperature 202 % 5.43 kW 5.13 -10 °C -10 °C 4.91 kW 3.08 2.92 kW 5.00 1.84 kW 6.99 1.33 kW 8.38	





COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.43 kW	4.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	2190 kWh	2580 kWh

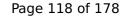
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	25 dB(A)	25 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	178 %	130 %





This information was generated by the HP KEYMARK database on 4 May		
Prated	5.11 kW	4.82 kW
SCOP	4.53	3.32
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-19 °C
Pdh Tj = -7°C	3.20 kW	3.01 kW
$COP Tj = -7^{\circ}C$	3.61	2.72
Cdh Tj = -7 °C		
Pdh Tj = +2°C	1.80 kW	1.91 kW
COP Tj = +2°C	5.73	4.24
Cdh Tj = +2 °C		
Pdh Tj = $+7$ °C	1.19 kW	2.15 kW
$COPTj = +7^{\circ}C$	7.41	5.03
Cdh Tj = +7 °C		
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	8.16	6.52
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	4.45 kW	4.20 kW
COP Tj = Tbiv	2.43	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.65
WTOL	60 °C	60 °C

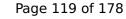




Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.11 kW	4.82 kW
Annual energy consumption Qhe	2781 kWh	3575 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.68	1.97
Cdh Tj = -15 °C		

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	
261 %	175 %	
6.27 kW	5.60 kW	
	Low temperature 261 %	





This information was genera	· · · · · · · · · · · · · · · · · · ·	,
SCOP	6.59	4.45
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.27 kW	5.60 kW
$COP Tj = +2^{\circ}C$	3.05	2.19
Pdh Tj = +7°C	4.09 kW	3.77 kW
$COP Tj = +7^{\circ}C$	5.70	3.86
Pdh Tj = 12°C	1.79 kW	2.54 kW
COP Tj = 12°C	8.77	5.94
Pdh Tj = Tbiv	6.27 kW	5.60 kW
COP Tj = Tbiv	3.05	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.27 kW	5.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2.19
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	1270 kWh	1683 kWh



Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	106 %	
СОР	2.48	
Heating up time	03:14 h:min	
Standby power input	51.0 W	
Reference hot water temperature	54.3 °C	
Mixed water at 40°C	273 I	

EN 16147		
Declared load profile	L	
Efficiency ηDHW	97 %	
СОР	2.26	
Heating up time	04:04 h:min	
Standby power input	64.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	271	



EN 16147		
Declared load profile	L	
Efficiency ηDHW	119 %	
СОР	2.79	
Heating up time	02:31 h:min	
Standby power input	45.0 W	
Reference hot water temperature	54.2 °C	
Mixed water at 40°C	271	



Model: Bosch CS7001iAW 7 ORMS-S

Configure model		
Model name	Bosch CS7001iAW 7 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	2.29 kW	2.40 kW
El input	0.43 kW	0.88 kW
СОР	5.27	2.75

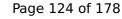
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate



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

EN 14825		
	Low temperature	Medium temperature
η_{s}	202 %	143 %
Prated	5.43 kW	4.56 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.91 kW	4.26 kW
COP Tj = -7°C	3.08	2.24
Pdh Tj = +2°C	2.92 kW	2.57 kW
COP Tj = +2°C	5.00	3.66
Pdh Tj = +7°C	1.84 kW	2.11 kW
$COP Tj = +7^{\circ}C$	6.99	4.68
Pdh Tj = 12°C	1.33 kW	2.56 kW
COP Tj = 12°C	8.38	6.14
Pdh Tj = Tbiv	5.43 kW	4.56 kW





COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.43 kW	4.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	2190 kWh	2580 kWh

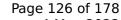
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	25 dB(A)	25 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	178 %	130 %





This information was gener	ated by the HF KLTMA	TRK database on 4 May 202.
Prated	5.11 kW	4.82 kW
SCOP	4.53	3.32
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-19 °C
Pdh Tj = -7°C	3.20 kW	3.01 kW
$COPTj = -7^{\circ}C$	3.61	2.72
Cdh Tj = -7 °C		
Pdh Tj = +2°C	1.80 kW	1.91 kW
$COPTj = +2^{\circ}C$	5.73	4.24
Cdh Tj = +2 °C		
Pdh Tj = $+7^{\circ}$ C	1.19 kW	2.15 kW
$COPTj = +7^{\circ}C$	7.41	5.03
Cdh Tj = +7 °C		
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	8.16	6.52
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	4.45 kW	4.20 kW
COP Tj = Tbiv	2.43	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.65
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	5.11 kW	4.82 kW
Annual energy consumption Qhe	2781 kWh	3575 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.68	1.97
Cdh Tj = -15 °C		

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		
261 %	175 %		
6.27 kW	5.60 kW		
	261 %		





,ss	teed by the in itziint	TRE database on 4 May 2022
SCOP	6.59	4.45
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.27 kW	5.60 kW
COP Tj = +2°C	3.05	2.19
Pdh Tj = $+7$ °C	4.09 kW	3.77 kW
$COP Tj = +7^{\circ}C$	5.70	3.86
Pdh Tj = 12°C	1.79 kW	2.54 kW
COP Tj = 12°C	8.77	5.94
Pdh Tj = Tbiv	6.27 kW	5.60 kW
COP Tj = Tbiv	3.05	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.27 kW	5.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2.19
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	1270 kWh	1683 kWh



Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	103 %	
СОР	2.43	
Heating up time	03:18 h:min	
Standby power input	53.0 W	
Reference hot water temperature	53.2 °C	
Mixed water at 40°C	263 I	

EN 16147		
Declared load profile	L	
Efficiency ηDHW	95 %	
СОР	2.21	
Heating up time	04:09 h:min	
Standby power input	73.0 W	
Reference hot water temperature	51.2 °C	
Mixed water at 40°C	259 I	



EN 16147		
Declared load profile	L	
Efficiency ηDHW	109 %	
СОР	2.58	
Heating up time	02:34 h:min	
Standby power input	47.0 W	
Reference hot water temperature	52.8 °C	
Mixed water at 40°C	257 I	



Model: Bosch CS7001iAW 7 ORE-S

Configure model		
Model name Bosch CS7001iAW 7 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	2.29 kW	2.40 kW	
El input	0.43 kW	0.88 kW	
СОР	5.27	2.75	

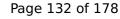
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

Average Climate



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

EN 14825		
Low temperatur	Medium temperature	
202 %	143 %	
5.43 kW	4.56 kW	
5.13	3.65	
-10 °C	-10 °C	
-10 °C	-10 °C	
4.91 kW	4.26 kW	
3.08	2.24	
2.92 kW	2.57 kW	
5.00	3.66	
1.84 kW	2.11 kW	
6.99	4.68	
1.33 kW	2.56 kW	
8.38	6.14	
5.43 kW	4.56 kW	
	Low temperature 202 % 5.43 kW 5.13 -10 °C -10 °C 4.91 kW 3.08 2.92 kW 5.00 1.84 kW 6.99 1.33 kW 8.38	

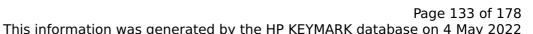




COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.43 kW	4.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
WTOL	60 °C	60 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2190 kWh	2580 kWh

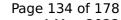
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	178 %	130 %





I his information was gener	ated by the HP KEYMA	RK database on 4 May 202
Prated	5.11 kW	4.82 kW
SCOP	4.53	3.32
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-19 °C
Pdh Tj = -7°C	3.20 kW	3.01 kW
$COP Tj = -7^{\circ}C$	3.61	2.72
Cdh Tj = -7 °C		
Pdh Tj = $+2$ °C	1.80 kW	1.91 kW
$COPTj = +2^{\circ}C$	5.73	4.24
Cdh Tj = +2 °C		
Pdh Tj = $+7^{\circ}$ C	1.19 kW	2.15 kW
$COPTj = +7^{\circ}C$	7.41	5.03
Cdh Tj = +7 °C		
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	8.16	6.52
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	4.45 kW	4.20 kW
COP Tj = Tbiv	2.43	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.65
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	5.11 kW	4.82 kW
Annual energy consumption Qhe	2781 kWh	3575 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.68	1.97
Cdh Tj = -15 °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)

Low temperature	Medium temperature
261 %	175 %
6.27 kW	5.60 kW
	261 %





This information was generated by the HP KEYMARK database on 4 May 20				
6.59	4.45			
2 °C	2 °C			
2 °C	2 °C			
6.27 kW	5.60 kW			
3.05	2.19			
4.09 kW	3.77 kW			
5.70	3.86			
1.79 kW	2.54 kW			
8.77	5.94			
6.27 kW	5.60 kW			
3.05	2.19			
6.27 kW	5.60 kW			
3.05	2.19			
60 °C	60 °C			
22 W	22 W			
22 W	22 W			
22 W	22 W			
4 W	4 W			
Electricity	Electricity			
0.00 kW	0.00 kW			
1270 kWh	1683 kWh			
	6.59 2 °C 2 °C 6.27 kW 3.05 4.09 kW 5.70 1.79 kW 8.77 6.27 kW 3.05 6.27 kW 3.05 6.27 kW 22 W 22 W 22 W 22 W 4 W Electricity 0.00 kW			



Model: Bosch CS7001iAW 7 ORB-S

Configure model		
Model name	Bosch CS7001iAW 7 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	2.29 kW	2.40 kW
El input	0.43 kW	0.88 kW
СОР	5.27	2.75

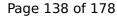
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate



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

EN 14825		
	Low temperature	Medium temperature
η_{s}	202 %	143 %
Prated	5.43 kW	4.56 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.91 kW	4.26 kW
COP Tj = -7°C	3.08	2.24
Pdh Tj = +2°C	2.92 kW	2.57 kW
COP Tj = +2°C	5.00	3.66
Pdh Tj = $+7^{\circ}$ C	1.84 kW	2.11 kW
COP Tj = +7°C	6.99	4.68
Pdh Tj = 12°C	1.33 kW	2.56 kW
COP Tj = 12°C	8.38	6.14
Pdh Tj = Tbiv	5.43 kW	4.56 kW





COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.43 kW	4.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
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	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2190 kWh	2580 kWh

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





This information was gener	ated by the HE KLIMA	The database of 4 May 2022
η_{s}	178 %	130 %
Prated	5.11 kW	4.82 kW
SCOP	4.53	3.32
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-19 °C
Pdh Tj = -7°C	3.20 kW	3.01 kW
$COP Tj = -7^{\circ}C$	3.61	2.72
Pdh Tj = +2°C	1.80 kW	1.91 kW
COP Tj = +2°C	5.73	4.24
Pdh Tj = +7°C	1.19 kW	2.15 kW
$COP Tj = +7^{\circ}C$	7.41	5.03
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	8.16	6.52
Pdh Tj = Tbiv	4.45 kW	4.20 kW
COP Tj = Tbiv	2.43	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.65
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W





PCK	4 W	4 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2781 kWh	3575 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.68	1.97

Warmer 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
η_{s}	261 %	175 %
Prated	6.27 kW	5.60 kW
SCOP	6.59	4.45
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.27 kW	5.60 kW



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This information was generated by the HP KEYMARK database on 4 May 2022

COP Tj = +2°C	3.05	2.19
Pdh Tj = +7°C	4.09 kW	3.77 kW
$COP Tj = +7^{\circ}C$	5.70	3.86
Pdh Tj = 12°C	1.79 kW	2.54 kW
COP Tj = 12°C	8.77	5.94
Pdh Tj = Tbiv	6.27 kW	5.60 kW
COP Tj = Tbiv	3.05	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.27 kW	5.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2.19
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1270 kWh	1683 kWh



Model: Bosch GCH7000iFAW 7 O

Configure model		
Model name	Bosch GCH7000iFAW 7 O	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2				
	Low temperature	Medium temperature		
Heat output	9.03 kW	7.41 kW		
El input	2.4 kW	2.82 kW		
СОР	3.76	2.62		

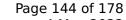
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

Average Climate



EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	24 dB(A)	24 dB(A)		
Sound power level outdoor	47 dB(A)	47 dB(A)		

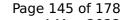
EN 14825			
	Low temperature	Medium temperature	
η_{s}	169 %	133 %	
Prated	5.39 kW	6.25 kW	
SCOP	4.31	3.4	
Tbiv	-10 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	4.55 kW	5.53 kW	
COP Tj = -7°C	2.96	2.02	
Cdh Tj = -7 °C	1.000	1.000	
Pdh Tj = +2°C	2.63 kW	3.53 kW	
COP Tj = +2°C	4.34	3.31	
Cdh Tj = +2 °C	1.000	1.000	
Pdh Tj = +7°C	1.75 kW	2.13 kW	
$COP Tj = +7^{\circ}C$	5.24	4.55	
Cdh Tj = +7 °C	1.000	1.000	





Pdh Tj = 12°C	1.36 kW	2.54 kW
COP Tj = 12°C	6.25	6.41
Cdh Tj = +12 °C	0.900	0.940
Pdh Tj = Tbiv	5.39 kW	5.53 kW
COP Tj = Tbiv	2.56	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.39 kW	4.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.93
WTOL	62 °C	62 °C
Poff	7 W	7 W
РТО	6 W	6 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0 kW	1.6 kW
Annual energy consumption Qhe	2586 kWh	3800 kWh

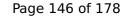
EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	24 dB(A)	24 dB(A)		
Sound power level outdoor	47 dB(A)	47 dB(A)		





EN 14825

	Low temperature	Medium temperature
η_{s}	152 %	122 %
Prated	5.35 kW	5.29 kW
SCOP	3.87	3.13
Tbiv	-17 °C	-15 °C
TOL	-20 °C	-19 °C
Pdh Tj = -7°C	3.19 kW	3.21 kW
COP Tj = -7°C	3.32	2.52
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	1.18 kW	1.78 kW
COP Tj = +2°C	4.59	3.71
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	1.18 kW	2.13 kW
COP Tj = +7°C	5.00	5.01
Cdh Tj = +7 °C	1.000	0.950
Pdh Tj = 12°C	1.36 kW	2.58 kW
COP Tj = 12°C	6.19	6.89
Cdh Tj = +12 °C	0.900	0.940
Pdh Tj = Tbiv	4.39 kW	4.32 kW
COP Tj = Tbiv	2.31	1.82





Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	1.77 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.54
WTOL	62 °C	62 °C
Poff	7 W	7 W
РТО	6 W	6 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	1.28 kW	3.52 kW
Annual energy consumption Qhe	3405 kWh	4162 kWh

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	24 dB(A)	24 dB(A)	
Sound power level outdoor	47 dB(A)	47 dB(A)	

EN 14825		
Low temperature	Medium temperature	
210 %	164 %	
6.54 kW	6.10 kW	
	Low temperature 210 %	



This information was gene	erated by the HP K	EYMARK database on 4 May 20
SCOP	5.31	4.16
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	6.54 kW	6.1 kW
$COPTj = +2^{\circ}C$	3.04	2.33
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.02 kW	4.07 kW
$COPTj = +7^{\circ}C$	5.03	3.47
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.77 kW	2.49 kW
COP Tj = 12°C	6.36	5.71
Cdh Tj = +12 °C	1.000	0.950
Pdh Tj = Tbiv	6.54 kW	6.1 kW
COP Tj = Tbiv	3.04	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.54 kW	6.1 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.33
WTOL	62 °C	62 °C
Poff	7 W	7 W
РТО	6 W	6 W
PSB	17 W	17 W
PCK	o w	0 W

CEN heat pump KEYMARK



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This information was generated by the HP KEYMARK database on 4 May 2022

Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1645 kWh	1957 kWh



Model: Bosch CSH7000iAW 7 OR

Configure model		
Model name	Bosch CSH7000iAW 7 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	

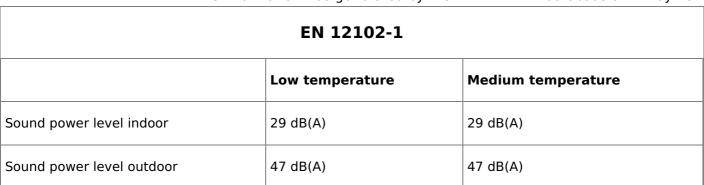
Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	2.29 kW	2.40 kW	
El input	0.43 kW	0.88 kW	
СОР	5.27	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

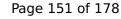
Average Climate





CEN heat pump

EN 14825		
	Low temperature	Medium temperature
η_{s}	202 %	143 %
Prated	5.43 kW	4.56 kW
SCOP	5.13	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.91 kW	4.26 kW
COP Tj = -7°C	3.08	2.24
Pdh Tj = +2°C	2.92 kW	2.57 kW
COP Tj = +2°C	5.00	3.66
Pdh Tj = +7°C	1.84 kW	2.11 kW
COP Tj = +7°C	6.99	4.68
Pdh Tj = 12°C	1.33 kW	2.56 kW
COP Tj = 12°C	8.38	6.14
Pdh Tj = Tbiv	5.43 kW	4.56 kW
	1	1



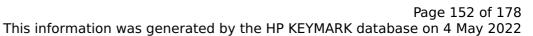


COP Tj = Tbiv	2.64	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.43 kW	4.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.64	1.89
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2190 kWh	2580 kWh

Colder Climate

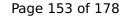
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	130 %





This information was gener	The Thirt RETMA	TRK database on 4 May 202
Prated	5.11 kW	4.82 kW
SCOP	4.53	3.32
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-19 °C
Pdh Tj = -7°C	3.20 kW	3.01 kW
COP Tj = -7°C	3.61	2.72
Pdh Tj = +2°C	1.80 kW	1.91 kW
COP Tj = +2°C	5.73	4.24
Pdh Tj = +7°C	1.19 kW	2.15 kW
$COP Tj = +7^{\circ}C$	7.41	5.03
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	8.16	6.52
Pdh Tj = Tbiv	4.45 kW	4.20 kW
COP Tj = Tbiv	2.43	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.65
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	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2781 kWh	3575 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	1.97
COP Tj = -15°C (if TOL $<$ -20°C)	2.68	1.97

Warmer 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
η_{s}	261 %	175 %
Prated	6.27 kW	5.60 kW
SCOP	6.59	4.45
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.27 kW	5.60 kW
COP Tj = +2°C	3.05	2.19



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This information was generated by the HP KEYMARK database on 4 May 2022

Pdh Tj = +7°C	4.09 kW	3.77 kW
$COP Tj = +7^{\circ}C$	5.70	3.86
Pdh Tj = 12°C	1.79 kW	2.54 kW
COP Tj = 12°C	8.77	5.94
Pdh Tj = Tbiv	6.27 kW	5.60 kW
COP Tj = Tbiv	3.05	2.19
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.27 kW	5.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	2.19
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	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1270 kWh	1683 kWh

Model: Bosch CSH7400iAW 5 OR

Configure model		
Model name	Bosch CSH7400iAW 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	2.82 kW	1.78 kW	
El input	0.56 kW	0.69 kW	
СОР	5.01	2.57	

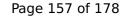
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	196 %	133 %
Prated	4.76 kW	4.49 kW
SCOP	4.98	3.40
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.27 kW	3.93 kW
COP Tj = -7°C	3.11	2.11
Pdh Tj = +2°C	2.51 kW	2.41 kW
COP Tj = +2°C	4.96	3.36
Pdh Tj = +7°C	1.51 kW	2.06 kW
COP Tj = +7°C	6.40	4.41
Pdh Tj = 12°C	1.27 kW	2.45 kW
COP Tj = 12°C	7.53	5.76
Pdh Tj = Tbiv	4.76 kW	4.49 kW



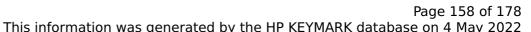


COP Tj = Tbiv	2.68	1.82
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.76 kW	4.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.82
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1975 kWh	2724 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	168 %	118 %





This information was gene	rated by the HP KEYI	MARK database on 4 May 202
Prated	4.30 kW	4.00 kW
SCOP	4.27	3.03
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7° C	2.50 kW	2.29 kW
$COP Tj = -7^{\circ}C$	3.64	2.52
Pdh Tj = +2°C	1.49 kW	1.80 kW
COP Tj = +2°C	5.22	3.82
Pdh Tj = $+7^{\circ}$ C	1.14 kW	2.08 kW
$COP Tj = +7^{\circ}C$	6.44	4.68
Pdh Tj = 12°C	1.24 kW	2.48 kW
COP Tj = 12°C	7.03	6.02
Pdh Tj = Tbiv	3.75 kW	3.53 kW
COP Tj = Tbiv	2.29	1.64
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.44 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.11	1.56
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
РСК	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	2482 kWh	3252 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.75	1.64
COP Tj = -15°C (if TOL $<$ -20°C)	2.29	1.64

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	240 %	163 %
Prated	5.50 kW	5.40 kW
SCOP	6.07	4.16
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.48 kW	5.40 kW
COP Tj = +2°C	3.03	2.10



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This information was generated by the HP KEYMARK database on 4 May 2022

Pdh Tj = $+7^{\circ}$ C	3.81 kW	3.56 kW
COP Tj = +7°C	5.16	3.57
Pdh Tj = 12°C	1.71 kW	2.44 kW
COP Tj = 12°C	8.06	5.53
Pdh Tj = Tbiv	5.48 kW	5.40 kW
COP Tj = Tbiv	3.03	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.48 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.03	2.10
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	1211 kWh	1736 kWh



Model: Bosch CS7400iAW 5 ORMB

Configure model		
Model name	Bosch CS7400iAW 5 ORMB	
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	2.82 kW	1.78 kW	
El input	0.59 kW	0.71 kW	
СОР	4.76	2.49	

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	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	183 %	127 %
Prated	4.76 kW	4.49 kW
SCOP	4.66	3.26
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.27 kW	3.94 kW
COP Tj = -7°C	3.02	2.08
Pdh Tj = +2°C	2.51 kW	2.41 kW
COP Tj = +2°C	4.70	3.26
Pdh Tj = +7°C	1.51 kW	2.06 kW
COP Tj = +7°C	5.85	4.21
Pdh Tj = 12°C	1.27 kW	2.45 kW
COP Tj = 12°C	6.67	5.47
Pdh Tj = Tbiv	4.76 kW	4.49 kW



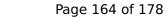


COP Tj = Tbiv	2.62	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.76 kW	4.49 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.80
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	22 W	22 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2112 kWh	2843 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	157 %	113 %





Prated	4.30 kW	4.00 kW
SCOP	4.00	2.90
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	2.50 kW	2.29 kW
COP Tj = -7°C	3.50	2.46
Pdh Tj = +2°C	1.49 kW	1.80 kW
$COP Tj = +2^{\circ}C$	4.84	3.65
Pdh Tj = $+7$ °C	1.14 kW	2.08 kW
COP Tj = +7°C	5.73	4.46
Pdh Tj = 12°C	1.24 kW	2.48 kW
COP Tj = 12°C	6.26	5.71
Pdh Tj = Tbiv	3.75 kW	3.53 kW
COP Tj = Tbiv	2.24	1.62
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.44 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.07	1.54
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	Electricity	Electricity
Supplementary Heater: PSUP	4.30 kW	4.00 kW
Annual energy consumption Qhe	2650 kWh	3405 kWh
Pdh Tj = -15°C (if TOL<-20°C)	3.75	3.53
COP Tj = -15°C (if TOL $<$ -20°C)	2.24	1.62

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	e Medium temperature
η_{s}	223 %	158 %
Prated	5.50 kW	5.40 kW
SCOP	5.65	4.01
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.48 kW	5.40 kW
COP Tj = +2°C	2.93	2.07



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Pdh Tj = +7°C	3.81 kW	3.56 kW
COP Tj = +7°C	4.91	3.48
Pdh Tj = 12°C	1.71 kW	2.44 kW
COP Tj = 12°C	7.26	5.26
Pdh Tj = Tbiv	5.48 kW	5.40 kW
COP Tj = Tbiv	2.93	2.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.48 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.93	2.07
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	22 W	22 W
PSB	17 W	17 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	1301 kWh	1797 kWh

Model: Bosch CS7001iAW 7 ORMB-S

Configure model		
Model name	Bosch CS7001iAW 7 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	2.28 kW	2.40 kW
El input	0.46 kW	0.90 kW
СОР	4.96	2.68

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	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	189 %	137 %
Prated	5.43 kW	4.56 kW
SCOP	4.81	3.50
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.90 kW	4.26 kW
COP Tj = -7°C	2.99	2.21
Pdh Tj = +2°C	2.92 kW	2.57 kW
COP Tj = +2°C	4.74	3.55
Pdh Tj = +7°C	1.84 kW	2.11 kW
COP Tj = +7°C	6.41	4.47
Pdh Tj = 12°C	1.33 kW	2.56 kW
COP Tj = 12°C	7.37	5.82
Pdh Tj = Tbiv	5.43 kW	4.56 kW



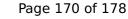


COP Tj = Tbiv	2.58	1.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.43 kW	4.56 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.87
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	4 W	4 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2335 kWh	2689 kWh

Colder Climate

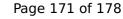
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	167 %	125 %





Prated	5.11 kW	4.82 kW
SCOP	4.26	3.20
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-19 °C
Pdh Tj = -7°C	3.20 kW	3.01 kW
COP Tj = -7°C	3.49	2.66
Pdh Tj = +2°C	1.80 kW	1.91 kW
COP Tj = +2°C	5.32	4.05
Pdh Tj = $+7^{\circ}$ C	1.19 kW	2.15 kW
$COP Tj = +7^{\circ}C$	6.54	4.78
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	7.19	6.16
Pdh Tj = Tbiv	4.45 kW	4.20 kW
COP Tj = Tbiv	2.38	1.73
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.20	1.62
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	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	5.11 kW	4.82 kW
Annual energy consumption Qhe	2956 kWh	3715 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	3.89
COP Tj = -15°C (if TOL $<$ -20°C)	2.62	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	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	241 %	167 %
Prated	6.27 kW	5.60 kW
SCOP	6.11	4.25
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.27 kW	5.60 kW
COP Tj = +2°C	2.95	2.16



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Pdh Tj = +7°C	4.09 kW	3.77 kW
$COP Tj = +7^{\circ}C$	5.41	3.76
Pdh Tj = 12°C	1.79 kW	2.54 kW
COP Tj = 12°C	7.85	5.64
Pdh Tj = Tbiv	6.27 kW	5.60 kW
COP Tj = Tbiv	2.95	2.16
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.27 kW	5.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.95	2.16
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1371 kWh	1762 kWh

Model: Bosch CS7000iAW 7 IRMB-S

Configure model		
Model name	Bosch CS7000iAW 7 IRMB-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	2.29 kW	2.34 kW	
El input	0.49 kW	0.90 kW	
СОР	4.69	2.59	

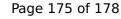
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)
Sound power level outdoor	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	173 %	134 %
Prated	5.17 kW	4.20 kW
SCOP	4.41	3.44
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.67 kW	3.86 kW
COP Tj = -7°C	2.87	2.21
Pdh Tj = +2°C	2.81 kW	2.38 kW
COP Tj = +2°C	5.33	3.56
Pdh Tj = $+7^{\circ}$ C	1.84 kW	2.11 kW
$COPTj = +7^{\circ}C$	6.40	4.26
Pdh Tj = 12°C	1.33 kW	2.56 kW
COP Tj = 12°C	7.13	5.35
Pdh Tj = Tbiv	5.18 kW	4.20 kW



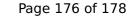


COP Tj = Tbiv	2.58	1.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.18 kW	4.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.88
WTOL	60 °C	60 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2421 kWh	2525 kWh

Colder Climate

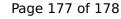
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)
Sound power level outdoor	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	158 %	122 %





Prated	5.27 kW	4.82 kW
SCOP	4.03	3.14
Tbiv	-16 °C	-16 °C
TOL	-20 °C	-17 °C
Pdh Tj = -7°C	3.20 kW	2.91 kW
COP Tj = -7°C	3.07	2.66
Pdh Tj = +2°C	1.80 kW	1.91 kW
COP Tj = +2°C	5.33	4.05
Pdh Tj = $+7^{\circ}$ C	1.14 kW	2.15 kW
COP Tj = +7°C	6.53	4.79
Pdh Tj = 12°C	1.31 kW	2.61 kW
COP Tj = 12°C	7.20	6.16
Pdh Tj = Tbiv	4.45 kW	3.93 kW
COP Tj = Tbiv	2.38	1.73
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.50 kW	3.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.03	1.62
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	o w	0 W





Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.27 kW	4.82 kW
Annual energy consumption Qhe	3222 kWh	3787 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.15	3.89
COP Tj = -15°C (if TOL $<$ -20°C)	2.38	1.94

Warmer Climate

EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	48 dB(A)	48 dB(A)		
Sound power level outdoor	36 dB(A)	36 dB(A)		

EN 14825			
	Low temperatur	e Medium temperature	
η_{s}	237 %	156 %	
Prated	5.77 kW	5.08 kW	
SCOP	6.00	3.98	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	5.77 kW	5.08 kW	
COP Tj = +2°C	2.83	2.06	



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This information was generated by the HP KEYMARK database on 4 May 2022

Pdh Tj = +7°C	3.39 kW	3.55 kW
COP Tj = +7°C	5.39	3.53
Pdh Tj = 12°C	1.79 kW	2.42 kW
COP Tj = 12°C	7.60	5.29
Pdh Tj = Tbiv	5.77 kW	5.08 kW
COP Tj = Tbiv	2.83	2.06
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.77 kW	5.08 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.06
WTOL	60 °C	60 °C
Poff	22 W	22 W
РТО	22 W	22 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	1285 kWh	1704 kWh