Summary of	Bosch Compress 7000iAW 17 OR and IR, Compress 6000 AW-17, Bosch CS7001iAW 17	Reg. No.	011-1W0126

Certificate Holder			
Name	Bosch Thermotechnik GmbH		
Address	Junkersstraße 20 - 24	Zip	73249
City	Wernau	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	Danish Technological Institute		
Subtype title	Bosch Compress 7000iAW 17 OR and IR, Compress 6000 AW-17, Bosch CS7001iAW 17		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	4 kg		
Certification Date	18.07.2017		

Model: Bosch CS7000iAW 17 IRMS

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.80 kW	4.22 kW
El input	1.00 kW	1.64 kW
COP	4.82	2.58
Indoor water flow rate	1.05 m³/h	0.46 m³/h

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	36 dB(A)	36 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	197 %	145 %
Prated	11.00 kW	10.00 kW
SCOP	5.00	3.70
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.40 kW	9.00 kW
COP Tj = -7°C	3.01	2.21
Pdh Tj = +2°C	6.50 kW	5.50 kW
COP Tj = +2°C	4.86	3.57
Pdh Tj = +7°C	4.20 kW	5.00 kW
COP Tj = +7°C	6.53	4.88
Pdh Tj = 12°C	3.20 kW	6.10 kW
COP Tj = 12°C	8.93	7.32
Pdh Tj = Tbiv	12.00 kW	10.10 kW

COP Tj = Tbiv	2.51	1.86
Pdh Tj = TOL	12.00 kW	10.10 kW
COP Tj = TOL	2.51	1.86
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W
PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5198 kWh	5869 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	89 %
COP	2.19
Heating up time	02:18 h:min
Standby power input	67.0 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	310 l

Model: Bosch CS7000iAW 17 IRM

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.80 kW	4.22 kW
El input	1.00 kW	1.64 kW
COP	4.82	2.58
Indoor water flow rate	1.05 m³/h	0.46 m³/h

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	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	197 %	145 %
Prated	11.00 kW	10.00 kW
SCOP	5.00	3.70
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.40 kW	9.00 kW
COP Tj = -7°C	3.01	2.21
Pdh Tj = +2°C	6.50 kW	5.50 kW
COP Tj = +2°C	4.86	3.57
Pdh Tj = +7°C	4.20 kW	5.00 kW
COP Tj = +7°C	6.53	4.88
Pdh Tj = 12°C	3.20 kW	6.10 kW
COP Tj = 12°C	8.93	7.32
Pdh Tj = Tbiv	12.00 kW	10.10 kW

COP Tj = Tbiv	2.51	1.86
Pdh Tj = TOL	12.00 kW	10.10 kW
COP Tj = TOL	2.51	1.86
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W
PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5198 kWh	5869 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	89 %
COP	2.19
Heating up time	02:18 h:min
Standby power input	67.0 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	310 l

Model: Bosch CS7000iAW 17 IRB

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.80 kW	4.22 kW
El input	1.00 kW	1.64 kW
COP	4.82	2.58
Indoor water flow rate	1.05 m³/h	0.46 m³/h

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	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	197 %	145 %
Prated	11.00 kW	10.00 kW
SCOP	5.00	3.70
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.40 kW	9.00 kW
COP Tj = -7°C	3.01	2.21
Pdh Tj = +2°C	6.50 kW	5.50 kW
COP Tj = +2°C	4.86	3.57
Pdh Tj = +7°C	4.20 kW	5.00 kW
COP Tj = +7°C	6.53	4.88
Pdh Tj = 12°C	3.20 kW	6.10 kW
COP Tj = 12°C	8.93	7.32
Pdh Tj = Tbiv	12.00 kW	10.10 kW

COP Tj = Tbiv	2.51	1.86
Pdh Tj = TOL	12.00 kW	10.10 kW
COP Tj = TOL	2.51	1.86
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W
PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5198 kWh	5869 kWh

Model: Bosch CS7000iAW 17 IRE

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.80 kW	4.22 kW
El input	1.00 kW	1.64 kW
COP	4.82	2.58
Indoor water flow rate	1.05 m³/h	0.46 m³/h

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	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	197 %	145 %
Prated	11.00 kW	10.00 kW
SCOP	5.00	3.70
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.40 kW	9.00 kW
COP Tj = -7°C	3.01	2.21
Pdh Tj = +2°C	6.50 kW	5.50 kW
COP Tj = +2°C	4.86	3.57
Pdh Tj = +7°C	4.20 kW	5.00 kW
COP Tj = +7°C	6.53	4.88
Pdh Tj = 12°C	3.20 kW	6.10 kW
COP Tj = 12°C	8.93	7.32
Pdh Tj = Tbiv	12.00 kW	10.10 kW

COP Tj = Tbiv	2.51	1.86
Pdh Tj = TOL	12.00 kW	10.10 kW
COP Tj = TOL	2.51	1.86
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W
PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5198 kWh	5869 kWh

Model: Bosch CS7000iAW 17 ORMS

General Data	
Power supply	3x400V 50Hz

Heating

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

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.80 kW	4.22 kW
El input	1.00 kW	1.64 kW
COP	4.82	2.58
Indoor water flow rate	1.05 m³/h	0.46 m³/h

Warmer Climate

Colder Climate

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	197 %	145 %
Prated	11.00 kW	10.00 kW
SCOP	5.00	3.70
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.40 kW	9.00 kW
COP Tj = -7°C	3.01	2.21
Pdh Tj = +2°C	6.50 kW	5.50 kW
COP Tj = +2°C	4.86	3.57
Pdh Tj = +7°C	4.20 kW	5.00 kW
COP Tj = +7°C	6.53	4.88
Pdh Tj = 12°C	3.20 kW	6.10 kW
COP Tj = 12°C	8.93	7.32
Pdh Tj = Tbiv	12.00 kW	10.10 kW

COP Tj = Tbiv	2.51	1.86
Pdh Tj = TOL	12.00 kW	10.10 kW
COP Tj = TOL	2.51	1.86
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W
PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5198 kWh	5869 kWh

Domestic Hot Water (DHW)

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	79 %
COP	1.98
Standby power input	53.1 W
Mixed water at 40°C	310 l

Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	101 %
COP	2.53
Standby power input	53.1 W
Mixed water at 40°C	310 l

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	89 %
COP	2.19
Heating up time	02:18 h:min
Standby power input	67.0 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	310 l

Model: Bosch CS7000iAW 17 ORM

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.80 kW	4.22 kW
El input	1.00 kW	1.64 kW
COP	4.82	2.58
Indoor water flow rate	1.05 m³/h	0.46 m³/h

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	35 dB(A)	35 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	197 %	145 %
Prated	11.00 kW	10.00 kW
SCOP	5.00	3.70
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.40 kW	9.00 kW
COP Tj = -7°C	3.01	2.21
Pdh Tj = +2°C	6.50 kW	5.50 kW
COP Tj = +2°C	4.86	3.57
Pdh Tj = +7°C	4.20 kW	5.00 kW
COP Tj = +7°C	6.53	4.88
Pdh Tj = 12°C	3.20 kW	6.10 kW
COP Tj = 12°C	8.93	7.32
Pdh Tj = Tbiv	12.00 kW	10.10 kW

COP Tj = Tbiv	2.51	1.86
Pdh Tj = TOL	12.00 kW	10.10 kW
COP Tj = TOL	2.51	1.86
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W
PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5198 kWh	5869 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	89 %
COP	2.19
Heating up time	02:18 h:min
Standby power input	67.0 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	310 l

Model: Bosch CS7000iAW 17 ORB

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.80 kW	4.22 kW
El input	1.00 kW	1.64 kW
COP	4.82	2.58
Indoor water flow rate	1.05 m³/h	0.46 m³/h

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	35 dB(A)	35 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	197 %	145 %
Prated	11.00 kW	10.00 kW
SCOP	5.00	3.70
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.40 kW	9.00 kW
COP Tj = -7°C	3.01	2.21
Pdh Tj = +2°C	6.50 kW	5.50 kW
COP Tj = +2°C	4.86	3.57
Pdh Tj = +7°C	4.20 kW	5.00 kW
COP Tj = +7°C	6.53	4.88
Pdh Tj = 12°C	3.20 kW	6.10 kW
COP Tj = 12°C	8.93	7.32
Pdh Tj = Tbiv	12.00 kW	10.10 kW

COP Tj = Tbiv	2.51	1.86
Pdh Tj = TOL	12.00 kW	10.10 kW
COP Tj = TOL	2.51	1.86
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W
PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5198 kWh	5869 kWh

Model: Bosch CS7000iAW 17 ORE

General Data	
Power supply	3x400V 50Hz

Heating

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

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.80 kW	4.22 kW
El input	1.00 kW	1.64 kW
COP	4.82	2.58
Indoor water flow rate	1.05 m³/h	0.46 m³/h

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	197 %	145 %
Prated	11.00 kW	10.00 kW
SCOP	5.00	3.70
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.40 kW	9.00 kW
COP Tj = -7°C	3.01	2.21
Pdh Tj = +2°C	6.50 kW	5.50 kW
COP Tj = +2°C	4.86	3.57
Pdh Tj = +7°C	4.20 kW	5.00 kW
COP Tj = +7°C	6.53	4.88
Pdh Tj = 12°C	3.20 kW	6.10 kW
COP Tj = 12°C	8.93	7.32
Pdh Tj = Tbiv	12.00 kW	10.10 kW

COP Tj = Tbiv	2.51	1.86
Pdh Tj = TOL	12.00 kW	10.10 kW
COP Tj = TOL	2.51	1.86
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W
PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5198 kWh	5869 kWh

Model: Bosch Compress 6000 AW-17 AWB

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.80 kW	4.22 kW
El input	1.00 kW	1.64 kW
COP	4.82	2.58
Indoor water flow rate	1.05 m³/h	0.46 m³/h

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	197 %	145 %
Prated	11.00 kW	10.00 kW
SCOP	5.00	3.70
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.40 kW	9.00 kW
COP Tj = -7°C	3.01	2.21
Pdh Tj = +2°C	6.50 kW	5.50 kW
COP Tj = +2°C	4.86	3.57
Pdh Tj = +7°C	4.20 kW	5.00 kW
COP Tj = +7°C	6.53	4.88
Pdh Tj = 12°C	3.20 kW	6.10 kW
COP Tj = 12°C	8.93	7.32
Pdh Tj = Tbiv	12.00 kW	10.10 kW
COP Tj = Tbiv	2.51	1.86
Pdh Tj = TOL	12.00 kW	10.10 kW
COP Tj = TOL	2.51	1.86
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W

PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5198 kWh	5869 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

Model: Bosch Compress 6000 AW-17 AWM

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.80 kW	4.22 kW
El input	1.00 kW	1.64 kW
COP	4.82	2.58
Indoor water flow rate	1.05 m³/h	0.46 m³/h

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	197 %	145 %
Prated	11.00 kW	10.00 kW
SCOP	5.00	3.70
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.40 kW	9.00 kW
COP Tj = -7°C	3.01	2.21
Pdh Tj = +2°C	6.50 kW	5.50 kW
COP Tj = +2°C	4.86	3.57
Pdh Tj = +7°C	4.20 kW	5.00 kW
COP Tj = +7°C	6.53	4.88
Pdh Tj = 12°C	3.20 kW	6.10 kW
COP Tj = 12°C	8.93	7.32
Pdh Tj = Tbiv	12.00 kW	10.10 kW
COP Tj = Tbiv	2.51	1.86
Pdh Tj = TOL	12.00 kW	10.10 kW
COP Tj = TOL	2.51	1.86
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W

PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5198 kWh	5869 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	89 %
COP	2.19
Heating up time	02:18 h:min
Standby power input	67.0 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	310 l

Model: Bosch Compress 6000 AW-17 AWMS

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.80 kW	4.22 kW
El input	1.00 kW	1.64 kW
COP	4.82	2.58
Indoor water flow rate	1.05 m³/h	0.46 m³/h

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	197 %	145 %
Prated	11.00 kW	10.00 kW
SCOP	5.00	3.70
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.40 kW	9.00 kW
COP Tj = -7°C	3.01	2.21
Pdh Tj = +2°C	6.50 kW	5.50 kW
COP Tj = +2°C	4.86	3.57
Pdh Tj = +7°C	4.20 kW	5.00 kW
COP Tj = +7°C	6.53	4.88
Pdh Tj = 12°C	3.20 kW	6.10 kW
COP Tj = 12°C	8.93	7.32
Pdh Tj = Tbiv	12.00 kW	10.10 kW
COP Tj = Tbiv	2.51	1.86
Pdh Tj = TOL	12.00 kW	10.10 kW
COP Tj = TOL	2.51	1.86
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W

PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5198 kWh	5869 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	89 %
COP	2.19
Heating up time	02:18 h:min
Standby power input	67.0 W
Reference hot water temperature	52.8 °C
Mixed water at 40°C	310 l

Model: Bosch Compress 6000 AW-17 AWE

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.80 kW	4.22 kW
El input	1.00 kW	1.64 kW
COP	4.82	2.58
Indoor water flow rate	1.05 m³/h	0.46 m³/h

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	197 %	145 %
Prated	11.00 kW	10.00 kW
SCOP	5.00	3.70
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.40 kW	9.00 kW
COP Tj = -7°C	3.01	2.21
Pdh Tj = +2°C	6.50 kW	5.50 kW
COP Tj = +2°C	4.86	3.57
Pdh Tj = +7°C	4.20 kW	5.00 kW
COP Tj = +7°C	6.53	4.88
Pdh Tj = 12°C	3.20 kW	6.10 kW
COP Tj = 12°C	8.93	7.32
Pdh Tj = Tbiv	12.00 kW	10.10 kW
COP Tj = Tbiv	2.51	1.86
Pdh Tj = TOL	12.00 kW	10.10 kW
COP Tj = TOL	2.51	1.86
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	35 W	35 W
PTO	21 W	21 W

PSB	35 W	35 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5198 kWh	5869 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

Model: Bosch CS7001iAW 17 ORMS-T

General Data	
Power supply	3x400V 50Hz

Heating

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

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.63 kW	4.32 kW
El input	1.16 kW	1.63 kW
COP	4.87	2.64
Indoor water flow rate	0.26 m³/h	0.13 m³/h

Warmer Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	244 %	171 %
Prated	14.30 kW	12.50 kW
SCOP	6.17	4.36
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	14.59 kW	12.49 kW
COP Tj = +2°C	2.85	2.18
Pdh Tj = +7°C	8.92 kW	8.08 kW
COP Tj = +7°C	5.37	3.81
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	8.00	5.61
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL	14.59 kW	12.49 kW

COP Tj = TOL	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	17 W	17 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	3097 kWh	3833 kWh

Colder Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	161 %	123 %
Prated	10.00 kW	9.10 kW
SCOP	4.11	3.15

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

Annual energy consumption Qhe	5997 kWh	7114 kWh

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	191 %	142 %
Prated	12.00 kW	10.00 kW
SCOP	4.85	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.36 kW	9.51 kW
COP Tj = -7°C	2.87	2.25
Pdh Tj = +2°C	6.84 kW	5.60 kW
COP Tj = +2°C	4.84	3.64
Pdh Tj = +7°C	4.21 kW	5.07 kW
COP Tj = +7°C	6.41	4.49

Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW
COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL	12.26 kW	10.11 kW
COP Tj = TOL	2.43	1.90
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	17 W	17 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	5113 kWh	5716 kWh

Domestic Hot Water (DHW)

Warmer Climate

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

Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	77 %
COP	1.78
Standby power input	91.7 W
Mixed water at 40°C	258 l
Heating up time	02:51 h:min
Reference hot water temperature	52.3 °C

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	89 %
COP	2.08
Heating up time	02:27 h:min
Standby power input	67.1 W
Reference hot water temperature	51.8 °C
Mixed water at 40°C	259 l

Model: Bosch CS7001iAW 17 ORM-T

General Data	
Power supply	3x400V 50Hz

Heating

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

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.63 kW	4.32 kW
El input	1.16 kW	1.63 kW
COP	4.87	2.64
Indoor water flow rate	0.26 m³/h	0.13 m³/h

Warmer Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	244 %	171 %
Prated	14.30 kW	12.50 kW
SCOP	6.17	4.36
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	14.59 kW	12.49 kW
COP Tj = +2°C	2.85	2.18
Pdh Tj = +7°C	8.92 kW	8.08 kW
COP Tj = +7°C	5.37	3.81
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	8.00	5.61
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL	14.59 kW	12.49 kW

COP Tj = TOL	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	17 W	17 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	3097 kWh	3833 kWh

Colder Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	161 %	123 %
Prated	10.00 kW	9.10 kW
SCOP	4.11	3.15

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

Annual energy consumption Qhe	5997 kWh	7114 kWh

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	191 %	142 %
Prated	12.00 kW	10.00 kW
SCOP	4.85	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.36 kW	9.51 kW
COP Tj = -7°C	2.87	2.25
Pdh Tj = +2°C	6.84 kW	5.60 kW
COP Tj = +2°C	4.84	3.64
Pdh Tj = +7°C	4.21 kW	5.07 kW
COP Tj = +7°C	6.41	4.49

Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW
COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL	12.26 kW	10.11 kW
COP Tj = TOL	2.43	1.90
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	17 W	17 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	5113 kWh	5716 kWh

Domestic Hot Water (DHW)

Warmer Climate

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

Colder Climate

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

Average Climate

EN 16147

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

Model: Bosch CS7001iAW 17 ORB-T

General Data	
Power supply	3x400V 50Hz

Heating

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

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.63 kW	4.32 kW
El input	1.16 kW	1.63 kW
COP	4.87	2.64
Indoor water flow rate	0.26 m³/h	0.13 m³/h

Warmer Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	244 %	171 %
Prated	14.30 kW	12.50 kW
SCOP	6.17	4.36
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	14.59 kW	12.49 kW
COP Tj = +2°C	2.85	2.18
Pdh Tj = +7°C	8.92 kW	8.08 kW
COP Tj = +7°C	5.37	3.81
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	8.00	5.61
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL	14.59 kW	12.49 kW

COP Tj = TOL	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	17 W	17 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	3097 kWh	3833 kWh

Colder Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	161 %	123 %
Prated	10.00 kW	9.10 kW
SCOP	4.11	3.15

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

Annual energy consumption Qhe	5997 kWh	7114 kWh

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	191 %	142 %
Prated	12.00 kW	10.00 kW
SCOP	4.85	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.36 kW	9.51 kW
COP Tj = -7°C	2.87	2.25
Pdh Tj = +2°C	6.84 kW	5.60 kW
COP Tj = +2°C	4.84	3.64
Pdh Tj = +7°C	4.21 kW	5.07 kW
COP Tj = +7°C	6.41	4.49

Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW
COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL	12.26 kW	10.11 kW
COP Tj = TOL	2.43	1.90
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	17 W	17 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	5113 kWh	5716 kWh

Model: Bosch CS7001iAW 17 ORE-T

General Data	
Power supply	3x400V 50Hz

Heating

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

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.63 kW	4.32 kW
El input	1.16 kW	1.63 kW
COP	4.87	2.64
Indoor water flow rate	0.26 m³/h	0.13 m³/h

Warmer Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	244 %	171 %
Prated	14.30 kW	12.50 kW
SCOP	6.17	4.36
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	14.59 kW	12.49 kW
COP Tj = +2°C	2.85	2.18
Pdh Tj = +7°C	8.92 kW	8.08 kW
COP Tj = +7°C	5.37	3.81
Pdh Tj = 12°C	4.16 kW	5.99 kW
COP Tj = 12°C	8.00	5.61
Pdh Tj = Tbiv	14.59 kW	12.49 kW
COP Tj = Tbiv	2.85	2.18
Pdh Tj = TOL	14.59 kW	12.49 kW

COP Tj = TOL	2.85	2.18
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	17 W	17 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	3097 kWh	3833 kWh

Colder Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	161 %	123 %
Prated	10.00 kW	9.10 kW
SCOP	4.11	3.15

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

Annual energy consumption Qhe	5997 kWh	7114 kWh

Average Climate

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

EN 14825		
	Low temperature	**Medium temperature**
η_s	191 %	142 %
Prated	12.00 kW	10.00 kW
SCOP	4.85	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.36 kW	9.51 kW
COP Tj = -7°C	2.87	2.25
Pdh Tj = +2°C	6.84 kW	5.60 kW
COP Tj = +2°C	4.84	3.64
Pdh Tj = +7°C	4.21 kW	5.07 kW
COP Tj = +7°C	6.41	4.49

Pdh Tj = 12°C	3.03 kW	6.01 kW
COP Tj = 12°C	7.31	5.79
Pdh Tj = Tbiv	12.26 kW	10.11 kW
COP Tj = Tbiv	2.43	1.90
Pdh Tj = TOL	12.26 kW	10.11 kW
COP Tj = TOL	2.43	1.90
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	17 W	17 W
PSB	24 W	24 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	5113 kWh	5716 kWh