This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	Bosch CS7000iAW 5 OR, Compress 6000 AW-5	Reg. No.	011-1W0122
Certificate Holder			
Name	Bosch Thermotechnik GmbH		
Address	Junkersstraße 20 - 24	Zip	73249
City	Wernau	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	Danish Technological Institute		
Subtype title	Bosch CS7000iAW 5 OR, Compress 6000 AW-5		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1.7 kg		

Model: Bosch CS7000iAW 5 ORMS

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	2.03 kW	1.63 kW
El input	0.45 kW	0.62 kW
COP	4.55	2.62
Indoor water flow rate	0.35 m³/h	0.18 m³/h

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	197 %	139 %
Prated	4.00 kW	4.00 kW
SCOP	5.00	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.90 kW	3.50 kW
COP Tj = -7°C	3.07	2.12
Pdh Tj = +2°C	2.30 kW	2.20 kW
COP Tj = +2°C	4.98	3.32
Pdh Tj = +7°C	1.50 kW	2.20 kW
COP Tj = +7°C	6.54	4.90
Pdh Tj = 12°C	1.40 kW	2.70 kW
COP Tj = 12°C	9.41	7.71
Pdh Tj = Tbiv	4.30 kW	4.00 kW

COP Tj = Tbiv	2.70	1.81
Pdh Tj = TOL	4.30 kW	4.00 kW
COP Tj = TOL	2.70	1.81
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1887 kWh	2466 kWh

Warmer Climate

Colder Climate

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	97 %
COP	2.43
Heating up time	03:22 h:min
Standby power input	51.7 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	284 l

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	110 %
COP	2.75

Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	87 %
COP	2.18

Model: Bosch CS7000iAW 5 ORM

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	2.03 kW	1.63 kW
El input	0.45 kW	0.62 kW
COP	4.55	2.62
Indoor water flow rate	0.35 m³/h	0.18 m³/h

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	197 %	139 %
Prated	4.00 kW	4.00 kW
SCOP	5.00	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.90 kW	3.50 kW
COP Tj = -7°C	3.07	2.12
Pdh Tj = +2°C	2.30 kW	2.20 kW
COP Tj = +2°C	4.98	3.32
Pdh Tj = +7°C	1.50 kW	2.20 kW
COP Tj = +7°C	6.54	4.90
Pdh Tj = 12°C	1.40 kW	2.70 kW
COP Tj = 12°C	9.41	7.71
Pdh Tj = Tbiv	4.30 kW	4.00 kW

COP Tj = Tbiv	2.70	1.81
Pdh Tj = TOL	4.30 kW	4.00 kW
COP Tj = TOL	2.70	1.81
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1887 kWh	2466 kWh

Warmer Climate

Colder Climate

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	97 %
COP	2.43
Heating up time	03:22 h:min
Standby power input	51.7 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	284 l

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	110 %
COP	2.75

Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	87 %
COP	2.18

Model: Bosch CS7000iAW 5 ORB

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	2.03 kW	1.63 kW
El input	0.45 kW	0.62 kW
COP	4.55	2.62
Indoor water flow rate	0.35 m³/h	0.18 m³/h

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	197 %	139 %
Prated	4.00 kW	4.00 kW
SCOP	5.00	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.90 kW	3.50 kW
COP Tj = -7°C	3.07	2.12
Pdh Tj = +2°C	2.30 kW	2.20 kW
COP Tj = +2°C	4.98	3.32
Pdh Tj = +7°C	1.50 kW	2.20 kW
COP Tj = +7°C	6.54	4.90
Pdh Tj = 12°C	1.40 kW	2.70 kW
COP Tj = 12°C	9.41	7.71
Pdh Tj = Tbiv	4.30 kW	4.00 kW

COP Tj = Tbiv	2.70	1.81
Pdh Tj = TOL	4.30 kW	4.00 kW
COP Tj = TOL	2.70	1.81
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1887 kWh	2466 kWh

Warmer Climate

Colder Climate

Model: Bosch CS7000iAW 5 ORE

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	2.03 kW	1.63 kW
El input	0.45 kW	0.62 kW
COP	4.55	2.62
Indoor water flow rate	0.35 m³/h	0.18 m³/h

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	197 %	139 %
Prated	4.00 kW	4.00 kW
SCOP	5.00	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.90 kW	3.50 kW
COP Tj = -7°C	3.07	2.12
Pdh Tj = +2°C	2.30 kW	2.20 kW
COP Tj = +2°C	4.98	3.32
Pdh Tj = +7°C	1.50 kW	2.20 kW
COP Tj = +7°C	6.54	4.90
Pdh Tj = 12°C	1.40 kW	2.70 kW
COP Tj = 12°C	9.41	7.71
Pdh Tj = Tbiv	4.30 kW	4.00 kW

COP Tj = Tbiv	2.70	1.81
Pdh Tj = TOL	4.30 kW	4.00 kW
COP Tj = TOL	2.70	1.81
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1887 kWh	2466 kWh

Warmer Climate

Colder Climate

Model: Bosch Compress 6000 AW-5 AWE

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	2.03 kW	1.63 kW
El input	0.45 kW	0.62 kW
COP	4.55	2.62
Indoor water flow rate	0.35 m³/h	0.18 m³/h

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	197 %	139 %
Prated	4.00 kW	4.00 kW
SCOP	5.00	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.90 kW	3.50 kW
COP Tj = -7°C	3.07	2.12
Pdh Tj = +2°C	2.30 kW	2.20 kW
COP Tj = +2°C	4.98	3.32
Pdh Tj = +7°C	1.50 kW	2.20 kW
COP Tj = +7°C	6.54	4.90
Pdh Tj = 12°C	1.40 kW	2.70 kW
COP Tj = 12°C	9.41	7.71
Pdh Tj = Tbiv	4.30 kW	4.00 kW

COP Tj = Tbiv	2.70	1.81
Pdh Tj = TOL	4.30 kW	4.00 kW
COP Tj = TOL	2.70	1.81
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1887 kWh	2466 kWh

Model: Bosch Compress 6000 AW-5 AWB

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	2.03 kW	1.63 kW
El input	0.45 kW	0.62 kW
COP	4.55	2.62
Indoor water flow rate	0.35 m³/h	0.18 m³/h

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	197 %	139 %
Prated	4.00 kW	4.00 kW
SCOP	5.00	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.90 kW	3.50 kW
COP Tj = -7°C	3.07	2.12
Pdh Tj = +2°C	2.30 kW	2.20 kW
COP Tj = +2°C	4.98	3.32
Pdh Tj = +7°C	1.50 kW	2.20 kW
COP Tj = +7°C	6.54	4.90
Pdh Tj = 12°C	1.40 kW	2.70 kW
COP Tj = 12°C	9.41	7.71
Pdh Tj = Tbiv	4.30 kW	4.00 kW

COP Tj = Tbiv	2.70	1.81
Pdh Tj = TOL	4.30 kW	4.00 kW
COP Tj = TOL	2.70	1.81
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1887 kWh	2466 kWh

Model: Bosch Compress 6000 AW-5 AWM

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	2.03 kW	1.63 kW
El input	0.45 kW	0.62 kW
COP	4.55	2.62
Indoor water flow rate	0.35 m³/h	0.18 m³/h

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	197 %	139 %
Prated	4.00 kW	4.00 kW
SCOP	5.00	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.90 kW	3.50 kW
COP Tj = -7°C	3.07	2.12
Pdh Tj = +2°C	2.30 kW	2.20 kW
COP Tj = +2°C	4.98	3.32
Pdh Tj = +7°C	1.50 kW	2.20 kW
COP Tj = +7°C	6.54	4.90
Pdh Tj = 12°C	1.40 kW	2.70 kW
COP Tj = 12°C	9.41	7.71
Pdh Tj = Tbiv	4.30 kW	4.00 kW

COP Tj = Tbiv	2.70	1.81
Pdh Tj = TOL	4.30 kW	4.00 kW
COP Tj = TOL	2.70	1.81
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1887 kWh	2466 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	97 %
COP	2.43
Heating up time	03:22 h:min
Standby power input	51.7 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	284 l

Model: Bosch Compress 6000 AW-5 AWMS

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	2.03 kW	1.63 kW
El input	0.45 kW	0.62 kW
COP	4.55	2.62
Indoor water flow rate	0.35 m³/h	0.18 m³/h

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost 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	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	197 %	139 %
Prated	4.00 kW	4.00 kW
SCOP	5.00	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.90 kW	3.50 kW
COP Tj = -7°C	3.07	2.12
Pdh Tj = +2°C	2.30 kW	2.20 kW
COP Tj = +2°C	4.98	3.32
Pdh Tj = +7°C	1.50 kW	2.20 kW
COP Tj = +7°C	6.54	4.90
Pdh Tj = 12°C	1.40 kW	2.70 kW
COP Tj = 12°C	9.41	7.71
Pdh Tj = Tbiv	4.30 kW	4.00 kW

COP Tj = Tbiv	2.70	1.81
Pdh Tj = TOL	4.30 kW	4.00 kW
COP Tj = TOL	2.70	1.81
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1887 kWh	2466 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	97 %
COP	2.43
Heating up time	03:22 h:min
Standby power input	51.7 W
Reference hot water temperature	55.5 °C
Mixed water at 40°C	284 l