Summary of	Bosch Compress 7000iAW 9 OR and IR, Compress 6000 AW-9, Bosch CS7400iAW 7	Reg. No.	011-1W0124

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 9 OR and IR, Compress 6000 AW-9, Bosch CS7400iAW 7		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.35 kg		
Certification Date	18.07.2017		

Model: Bosch CS7000iAW 9 IRMS

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.32 kW	2.84 kW
El input	0.67 kW	1.07 kW
COP	4.93	2.65
Indoor water flow rate	0.59 m³/h	0.31 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	48 dB(A)	48 dB(A)
Sound power level outdoor	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	199 %	143 %
Prated	7.00 kW	6.00 kW
SCOP	5.05	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	5.10 kW
COP Tj = -7°C	3.00	2.23
Pdh Tj = +2°C	4.00 kW	3.10 kW
COP Tj = +2°C	4.86	3.49
Pdh Tj = +7°C	2.70 kW	2.80 kW
COP Tj = +7°C	6.80	4.95
Pdh Tj = 12°C	1.80 kW	3.50 kW
COP Tj = 12°C	9.63	7.73
Pdh Tj = Tbiv	7.30 kW	6.10 kW

COP Tj = Tbiv	2.56	1.84
Pdh Tj = TOL	7.30 kW	6.10 kW
COP Tj = TOL	2.56	1.84
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	31 W	31 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3161 kWh	3585 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	97 %
COP	2.40
Heating up time	02:44 h:min
Standby power input	58.7 W
Reference hot water temperature	55.6 °C
Mixed water at 40°C	284 l

Model: Bosch CS7000iAW 9 IRM

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.32 kW	2.84 kW
El input	0.67 kW	1.07 kW
COP	4.93	2.65
Indoor water flow rate	0.59 m³/h	0.31 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	48 dB(A)	48 dB(A)
Sound power level outdoor	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	199 %	143 %
Prated	7.00 kW	6.00 kW
SCOP	5.05	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	5.10 kW
COP Tj = -7°C	3.00	2.23
Pdh Tj = +2°C	4.00 kW	3.10 kW
COP Tj = +2°C	4.86	3.49
Pdh Tj = +7°C	2.70 kW	2.80 kW
COP Tj = +7°C	6.80	4.95
Pdh Tj = 12°C	1.80 kW	3.50 kW
COP Tj = 12°C	9.63	7.73
Pdh Tj = Tbiv	7.30 kW	6.10 kW

COP Tj = Tbiv	2.56	1.84
Pdh Tj = TOL	7.30 kW	6.10 kW
COP Tj = TOL	2.56	1.84
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	31 W	31 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3161 kWh	3585 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	97 %
COP	2.40
Heating up time	02:44 h:min
Standby power input	58.7 W
Reference hot water temperature	55.6 °C
Mixed water at 40°C	284 l

Model: Bosch CS7000iAW 9 IRB

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.32 kW	2.84 kW
El input	0.67 kW	1.07 kW
COP	4.93	2.65
Indoor water flow rate	0.59 m³/h	0.31 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	48 dB(A)	48 dB(A)
Sound power level outdoor	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	199 %	143 %
Prated	7.00 kW	6.00 kW
SCOP	5.05	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	5.10 kW
COP Tj = -7°C	3.00	2.23
Pdh Tj = +2°C	4.00 kW	3.10 kW
COP Tj = +2°C	4.86	3.49
Pdh Tj = +7°C	2.70 kW	2.80 kW
COP Tj = +7°C	6.80	4.95
Pdh Tj = 12°C	1.80 kW	3.50 kW
COP Tj = 12°C	9.63	7.73
Pdh Tj = Tbiv	7.30 kW	6.10 kW

COP Tj = Tbiv	2.56	1.84
Pdh Tj = TOL	7.30 kW	6.10 kW
COP Tj = TOL	2.65	1.84
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	31 W	31 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3161 kWh	3585 kWh

Model: Bosch CS7000iAW 9 IRE

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.32 kW	2.84 kW
El input	0.67 kW	1.07 kW
COP	4.93	2.65
Indoor water flow rate	0.59 m³/h	0.31 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	48 dB(A)	48 dB(A)
Sound power level outdoor	36 dB(A)	36 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	199 %	143 %
Prated	7.00 kW	6.00 kW
SCOP	5.05	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	5.10 kW
COP Tj = -7°C	3.00	2.23
Pdh Tj = +2°C	4.00 kW	3.10 kW
COP Tj = +2°C	4.86	3.49
Pdh Tj = +7°C	2.70 kW	2.80 kW
COP Tj = +7°C	6.80	4.95
Pdh Tj = 12°C	1.80 kW	3.50 kW
COP Tj = 12°C	9.63	7.73
Pdh Tj = Tbiv	7.30 kW	6.10 kW

COP Tj = Tbiv	2.56	1.84
Pdh Tj = TOL	7.30 kW	6.10 kW
COP Tj = TOL	2.56	1.84
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	31 W	31 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3161 kWh	3585 kWh

Model: Bosch CS7000iAW 9 ORMS

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.32 kW	2.84 kW
El input	0.67 kW	1.07 kW
COP	4.93	2.65
Indoor water flow rate	0.59 m³/h	0.31 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	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	199 %	143 %
Prated	7.00 kW	6.00 kW
SCOP	5.05	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	5.10 kW
COP Tj = -7°C	3.00	2.23
Pdh Tj = +2°C	4.00 kW	3.10 kW
COP Tj = +2°C	4.86	3.49
Pdh Tj = +7°C	2.70 kW	2.80 kW
COP Tj = +7°C	6.80	4.95
Pdh Tj = 12°C	1.80 kW	3.50 kW
COP Tj = 12°C	9.63	7.73
Pdh Tj = Tbiv	7.30 kW	6.10 kW

COP Tj = Tbiv	2.56	1.84
Pdh Tj = TOL	7.30 kW	6.10 kW
COP Tj = TOL	2.56	1.84
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	31 W	31 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3161 kWh	3585 kWh

Warmer Climate

Colder Climate

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	97 %
Heating up time	02:44 h:min
Standby power input	58.7 W
Reference hot water temperature	55.6 °C
Mixed water at 40°C	284 l
COP	2.40

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	110 %
COP	2.75
Heating up time	02:44 h:min
Standby power input	58.7 W
Reference hot water temperature	55.6 °C
Mixed water at 40°C	284 l

Colder Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	87 %
COP	2.18
Heating up time	02:44 h:min
Standby power input	58.7 W
Reference hot water temperature	55.6 °C
Mixed water at 40°C	284 l

Model: Bosch CS7000iAW 9 ORM

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.32 kW	2.84 kW
El input	0.67 kW	1.07 kW
COP	4.93	2.65
Indoor water flow rate	0.59 m³/h	0.31 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	56 dB(A)	56 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	199 %	143 %
Prated	7.00 kW	6.00 kW
SCOP	5.05	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	5.10 kW
COP Tj = -7°C	3.00	2.23
Pdh Tj = +2°C	4.00 kW	3.10 kW
COP Tj = +2°C	4.86	3.49
Pdh Tj = +7°C	2.70 kW	2.80 kW
COP Tj = +7°C	6.80	4.95
Pdh Tj = 12°C	1.80 kW	3.50 kW
COP Tj = 12°C	9.63	7.73
Pdh Tj = Tbiv	7.30 kW	6.10 kW

COP Tj = Tbiv	2.56	1.84
Pdh Tj = TOL	7.30 kW	6.10 kW
COP Tj = TOL	2.56	1.84
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	31 W	31 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3161 kWh	3585 kWh

Warmer Climate

Colder Climate

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	97 %
Heating up time	02:44 h:min
Standby power input	58.7 W
Reference hot water temperature	55.6 °C
Mixed water at 40°C	284 l
COP	2.40

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	110 %
COP	2.75
Heating up time	02:44 h:min
Standby power input	58.7 W
Reference hot water temperature	55.6 °C
Mixed water at 40°C	284 l

Colder Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	87 %
COP	2.18
Heating up time	02:44 h:min
Standby power input	58.7 W
Reference hot water temperature	55.6 °C
Mixed water at 40°C	284 l

Model: Bosch CS7000iAW 9 ORB

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.32 kW	2.84 kW
El input	0.67 kW	1.07 kW
COP	4.93	2.65
Indoor water flow rate	0.59 m³/h	0.31 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	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	199 %	143 %
Prated	7.00 kW	6.00 kW
SCOP	5.05	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	5.10 kW
COP Tj = -7°C	3.00	2.23
Pdh Tj = +2°C	4.00 kW	3.10 kW
COP Tj = +2°C	4.86	3.49
Pdh Tj = +7°C	2.70 kW	2.80 kW
COP Tj = +7°C	6.80	4.95
Pdh Tj = 12°C	1.80 kW	3.50 kW
COP Tj = 12°C	9.63	7.73
Pdh Tj = Tbiv	7.30 kW	6.10 kW

COP Tj = Tbiv	2.56	1.84
Pdh Tj = TOL	7.30 kW	6.10 kW
COP Tj = TOL	2.56	1.84
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	31 W	31 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3161 kWh	3585 kWh

Model: Bosch CS7000iAW 9 ORE

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.32 kW	2.84 kW
El input	0.67 kW	1.07 kW
COP	4.93	2.65
Indoor water flow rate	0.59 m³/h	0.31 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	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	199 %	143 %
Prated	7.00 kW	6.00 kW
SCOP	5.05	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	5.10 kW
COP Tj = -7°C	3.00	2.23
Pdh Tj = +2°C	4.00 kW	3.10 kW
COP Tj = +2°C	4.86	3.49
Pdh Tj = +7°C	2.70 kW	2.80 kW
COP Tj = +7°C	6.80	4.95
Pdh Tj = 12°C	1.80 kW	3.50 kW
COP Tj = 12°C	9.63	7.73
Pdh Tj = Tbiv	7.30 kW	6.10 kW

COP Tj = Tbiv	2.56	1.84
Pdh Tj = TOL	7.30 kW	6.10 kW
COP Tj = TOL	2.56	1.84
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	31 W	31 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3161 kWh	3585 kWh

Model: Bosch Compress 6000 AW-9 AWB

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.32 kW	2.84 kW
El input	0.67 kW	1.07 kW
COP	4.93	2.65
Indoor water flow rate	0.59 m³/h	0.31 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	199 %	143 %
Prated	7.00 kW	6.00 kW
SCOP	5.05	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	5.10 kW
COP Tj = -7°C	3.00	2.23
Pdh Tj = +2°C	4.00 kW	3.10 kW
COP Tj = +2°C	4.86	3.49
Pdh Tj = +7°C	2.70 kW	2.80 kW
COP Tj = +7°C	6.80	4.95
Pdh Tj = 12°C	1.80 kW	3.50 kW
COP Tj = 12°C	9.63	7.73
Pdh Tj = Tbiv	7.30 kW	6.10 kW
COP Tj = Tbiv	2.56	1.84
Pdh Tj = TOL	7.30 kW	6.10 kW
COP Tj = TOL	2.56	1.84
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	31 W	31 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3161 kWh	3585 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

Model: Bosch Compress 6000 AW-9 AWM

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.32 kW	2.84 kW
El input	0.67 kW	1.07 kW
COP	4.93	2.65
Indoor water flow rate	0.59 m³/h	0.31 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	199 %	143 %
Prated	7.00 kW	6.00 kW
SCOP	5.05	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	5.10 kW
COP Tj = -7°C	3.00	2.23
Pdh Tj = +2°C	4.00 kW	3.10 kW
COP Tj = +2°C	4.86	3.49
Pdh Tj = +7°C	2.70 kW	2.80 kW
COP Tj = +7°C	6.80	4.95
Pdh Tj = 12°C	1.80 kW	3.50 kW
COP Tj = 12°C	9.63	7.73
Pdh Tj = Tbiv	7.30 kW	6.10 kW
COP Tj = Tbiv	2.56	1.84
Pdh Tj = TOL	7.30 kW	6.10 kW
COP Tj = TOL	2.56	1.84
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	31 W	31 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3161 kWh	3585 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	97 %
COP	2.40
Heating up time	02:44 h:min
Standby power input	58.7 W
Reference hot water temperature	55.6 °C
Mixed water at 40°C	284 l

Model: Bosch Compress 6000 AW-9 AWMS

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.32 kW	2.84 kW
El input	0.67 kW	1.07 kW
COP	4.93	2.65
Indoor water flow rate	0.59 m³/h	0.31 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	199 %	143 %
Prated	7.00 kW	6.00 kW
SCOP	5.05	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	5.10 kW
COP Tj = -7°C	3.00	2.23
Pdh Tj = +2°C	4.00 kW	3.10 kW
COP Tj = +2°C	4.86	3.49
Pdh Tj = +7°C	2.70 kW	2.80 kW
COP Tj = +7°C	6.80	4.95
Pdh Tj = 12°C	1.80 kW	3.50 kW
COP Tj = 12°C	9.63	7.73
Pdh Tj = Tbiv	7.30 kW	6.10 kW
COP Tj = Tbiv	2.56	1.84
Pdh Tj = TOL	7.30 kW	6.10 kW
COP Tj = TOL	2.56	1.84
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	31 W	31 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3161 kWh	3585 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	97 %
COP	2.40
Heating up time	02:44 h:min
Standby power input	58.7 W
Reference hot water temperature	55.6 °C
Mixed water at 40°C	284 l

Model: Bosch Compress 6000 AW-9 AWE

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.32 kW	2.84 kW
El input	0.67 kW	1.07 kW
COP	4.93	2.65
Indoor water flow rate	0.59 m³/h	0.31 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	199 %	143 %
Prated	7.00 kW	6.00 kW
SCOP	5.05	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.30 kW	5.10 kW
COP Tj = -7°C	3.00	2.23
Pdh Tj = +2°C	4.00 kW	3.10 kW
COP Tj = +2°C	4.86	3.49
Pdh Tj = +7°C	2.70 kW	2.80 kW
COP Tj = +7°C	6.80	4.95
Pdh Tj = 12°C	1.80 kW	3.50 kW
COP Tj = 12°C	9.63	7.73
Pdh Tj = Tbiv	7.30 kW	6.10 kW
COP Tj = Tbiv	2.56	1.84
Pdh Tj = TOL	7.30 kW	6.10 kW
COP Tj = TOL	2.56	1.84
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	31 W	31 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3161 kWh	3585 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

Model: Bosch CS7400iAW 7 ORB

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2			
	Low temperature	**Medium temperature**	**+7°C/+12°C**
Heat output	4.01 kW	2.60 kW	
El input	0.80 kW	0.91 kW	
COP	5.01	2.84	
Indoor water flow rate	0.69 m³/h	0.28 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**	**+7°C/+12°C**
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**	**+7°C/+12°C**
η_s	198 %	140 %	
Prated	6.20 kW	5.91 kW	
SCOP	5.02	3.58	
Tbiv	-10 °C	-10 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	5.54 kW	5.21 kW	
COP Tj = -7°C	3.16	2.27	
Cdh			
Pdh Tj = +2°C	3.31 kW	3.27 kW	
COP Tj = +2°C	4.86	3.56	
Cdh			
Pdh Tj = +7°C	2.04 kW	2.84 kW	
COP Tj = +7°C	6.72	4.49	
Cdh			

Pdh Tj = 12°C	1.72 kW	3.34 kW
COP Tj = 12°C	7.96	5.98
Cdh		
Pdh Tj = Tbiv	6.20 kW	5.91 kW
COP Tj = Tbiv	2.72	1.93
Pdh Tj = TOL	6.20 kW	5.91 kW
COP Tj = TOL	2.72	1.93
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	33 W	33 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2550 kWh	3410 kWh

Colder Climate

EN 14825			
	Low temperature	**Medium temperature**	**+7°C/+12°C**
η_s	168 %	123 %	
Prated	5.72 kW	5.48 kW	

SCOP	4.28	3.15
Tbiv	-17 °C	-17 °C
TOL	-18 °C	-18 °C
Pdh Tj = -7°C	3.26 kW	3.47 kW
COP Tj = -7°C	3.63	2.66
Cdh		
Pdh Tj = +2°C	2.28 kW	2.42 kW
COP Tj = +2°C	5.41	3.86
Cdh		
Pdh Tj = +7°C	1.53 kW	2.83 kW
COP Tj = +7°C	6.76	4.70
Cdh		
Pdh Tj = 12°C	1.68 kW	3.31 kW
COP Tj = 12°C	7.17	6.19
Cdh		
Pdh Tj = Tbiv	4.96 kW	4.76 kW
COP Tj = Tbiv	2.44	1.82
Pdh Tj = TOL	4.84 kW	4.62 kW
COP Tj = TOL	2.39	1.76
WTOL	60 °C	60 °C
Poff	17 W	17 W

PTO	33 W	33 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3289 kWh	4286 kWh
Pdh Tj = -15°C (if TOL<-20°C)		
COP Tj = -15°C (if TOL<-20°C)		
Cdh		

EN 12102-1			
	Low temperature	**Medium temperature**	**+7°C/+12°C**
Sound power level indoor	29 dB(A)	29 dB(A)	
Sound power level outdoor	50 dB(A)	50 dB(A)	

Warmer Climate

EN 14825			
	Low temperature	**Medium temperature**	**+7°C/+12°C**
η_s	244 %	165 %	
Prated	7.29 kW	7.25 kW	
SCOP	6.17	4.19	

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.29 kW	7.25 kW
COP Tj = +2°C	3.06	2.19
Pdh Tj = +7°C	4.69 kW	4.78 kW
COP Tj = +7°C	5.56	3.76
Pdh Tj = 12°C	3.64 kW	3.26 kW
COP Tj = 12°C	8.01	5.28
Pdh Tj = Tbiv	7.29 kW	7.25 kW
COP Tj = Tbiv	3.06	2.19
Pdh Tj = TOL	7.29 kW	7.25 kW
COP Tj = TOL	3.06	2.19
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	33 W	33 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1578 kWh	2312 kWh

EN 12102-1			
	Low temperature	**Medium temperature**	**+7°C/+12°C**
Sound power level indoor	29 dB(A)	29 dB(A)	
Sound power level outdoor	50 dB(A)	50 dB(A)	

Model: Bosch CS7400iAW 7 ORMS

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.01 kW	2.60 kW
El input	0.80 kW	0.91 kW
COP	5.01	2.84
Indoor water flow rate	0.69 m³/h	0.28 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	25 dB(A)	25 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	198 %	140 %
Prated	6.20 kW	5.91 kW
SCOP	5.02	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.54 kW	5.21 kW
COP Tj = -7°C	3.16	2.27
Cdh		
Pdh Tj = +2°C	3.31 kW	3.27 kW
COP Tj = +2°C	4.86	3.56
Cdh		
Pdh Tj = +7°C	2.04 kW	2.84 kW
COP Tj = +7°C	6.72	4.49
Cdh		

Pdh Tj = 12°C	1.72 kW	3.34 kW
COP Tj = 12°C	7.96	5.98
Cdh		
Pdh Tj = Tbiv	6.20 kW	5.91 kW
COP Tj = Tbiv	2.72	1.93
Pdh Tj = TOL	6.20 kW	5.91 kW
COP Tj = TOL	2.72	1.93
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	33 W	33 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2550 kWh	3410 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 %	123 %
Prated	5.72 kW	5.48 kW
SCOP	4.28	3.15
Tbiv	-17 °C	-17 °C
TOL	-18 °C	-18 °C
Pdh Tj = -7°C	3.26 kW	3.47 kW
COP Tj = -7°C	3.63	2.66
Cdh		
Pdh Tj = +2°C	2.28 kW	2.42 kW
COP Tj = +2°C	5.41	3.86
Cdh		
Pdh Tj = +7°C	1.53 kW	2.83 kW
COP Tj = +7°C	6.76	4.70
Cdh		
Pdh Tj = 12°C	1.68 kW	3.31 kW
COP Tj = 12°C	7.17	6.19
Cdh		
Pdh Tj = Tbiv	4.96 kW	4.76 kW
COP Tj = Tbiv	2.44	1.82

Pdh Tj = TOL	4.84 kW	4.62 kW
COP Tj = TOL	2.39	1.76
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	33 W	33 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3289 kWh	4286 kWh
Pdh Tj = -15°C (if TOL<-20°C)		
COP Tj = -15°C (if TOL<-20°C)		
Cdh		

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**
η_s	244 %	165 %
Prated	7.29 kW	7.25 kW
SCOP	6.17	4.19
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.29 kW	7.25 kW
COP Tj = +2°C	3.06	2.19
Pdh Tj = +7°C	4.69 kW	4.78 kW
COP Tj = +7°C	5.56	3.76
Pdh Tj = 12°C	3.64 kW	3.26 kW
COP Tj = 12°C	8.01	5.28
Pdh Tj = Tbiv	7.29 kW	7.25 kW
COP Tj = Tbiv	3.06	2.19
Pdh Tj = TOL	7.29 kW	7.25 kW
COP Tj = TOL	3.06	2.19
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	33 W	33 W
PSB	17 W	17 W
PCK	0 W	0 W

Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	1578 kWh	2312 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	101 %
COP	2.37
Heating up time	02:11 h:min
Standby power input	51.0 W
Reference hot water temperature	52.0 °C
Mixed water at 40°C	259 l

Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	84 %
COP	2.00
Heating up time	02:48 h:min
Standby power input	58.0 W
Reference hot water temperature	51.8 °C
Mixed water at 40°C	252 l

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	112 %
COP	2.64
Heating up time	01:52 h:min
Standby power input	47.0 W
Reference hot water temperature	51.6 °C
Mixed water at 40°C	254 l

Model: Bosch CS7400iAW 7 ORM

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.01 kW	2.60 kW
El input	0.80 kW	0.91 kW
COP	5.01	2.84
Indoor water flow rate	0.69 m³/h	0.28 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	25 dB(A)	25 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	198 %	140 %
Prated	6.20 kW	5.91 kW
SCOP	5.02	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.54 kW	5.21 kW
COP Tj = -7°C	3.16	2.27
Cdh		
Pdh Tj = +2°C	3.31 kW	3.27 kW
COP Tj = +2°C	4.86	3.56
Cdh		
Pdh Tj = +7°C	2.04 kW	2.84 kW
COP Tj = +7°C	6.72	4.49
Cdh		

Pdh Tj = 12°C	1.72 kW	3.34 kW
COP Tj = 12°C	7.96	5.98
Cdh		
Pdh Tj = Tbiv	6.20 kW	5.91 kW
COP Tj = Tbiv	2.72	1.93
Pdh Tj = TOL	6.20 kW	5.91 kW
COP Tj = TOL	2.72	1.93
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	33 W	33 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2550 kWh	3410 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 %	123 %
Prated	5.72 kW	5.48 kW
SCOP	4.28	3.15
Tbiv	-17 °C	-17 °C
TOL	-18 °C	-18 °C
Pdh Tj = -7°C	3.26 kW	3.47 kW
COP Tj = -7°C	3.63	2.66
Cdh		
Pdh Tj = +2°C	2.28 kW	2.42 kW
COP Tj = +2°C	5.41	3.86
Cdh		
Pdh Tj = +7°C	1.53 kW	2.83 kW
COP Tj = +7°C	6.76	4.70
Cdh		
Pdh Tj = 12°C	1.68 kW	3.31 kW
COP Tj = 12°C	7.17	6.19
Cdh		
Pdh Tj = Tbiv	4.96 kW	4.76 kW
COP Tj = Tbiv	2.44	1.82

Pdh Tj = TOL	4.84 kW	4.62 kW
COP Tj = TOL	2.39	1.76
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	33 W	33 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3289 kWh	4286 kWh
Pdh Tj = -15°C (if TOL<-20°C)		
COP Tj = -15°C (if TOL<-20°C)		
Cdh		

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**
η_s	244 %	165 %
Prated	7.29 kW	7.25 kW
SCOP	6.17	4.19
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.29 kW	7.25 kW
COP Tj = +2°C	3.06	2.19
Pdh Tj = +7°C	4.69 kW	4.78 kW
COP Tj = +7°C	5.56	3.76
Pdh Tj = 12°C	3.64 kW	3.26 kW
COP Tj = 12°C	8.01	5.28
Pdh Tj = Tbiv	7.29 kW	7.25 kW
COP Tj = Tbiv	3.06	2.19
Pdh Tj = TOL	7.29 kW	7.25 kW
COP Tj = TOL	3.06	2.19
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	33 W	33 W
PSB	17 W	17 W
PCK	0 W	0 W

Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	1578 kWh	2312 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	103 %
COP	2.42
Heating up time	02:26 h:min
Standby power input	49.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	269 l

Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	88 %
COP	2.08
Heating up time	02:51 h:min
Standby power input	57.0 W
Reference hot water temperature	53.2 °C
Mixed water at 40°C	272 l

Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	122 %
COP	2.86
Heating up time	01:55 h:min
Standby power input	45.0 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	268 l

Model: Bosch CS7400iAW 7 ORE

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.01 kW	2.60 kW
El input	0.80 kW	0.91 kW
COP	5.01	2.84
Indoor water flow rate	0.69 m³/h	0.28 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	29 dB(A)	29 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	198 %	140 %
Prated	6.20 kW	5.91 kW
SCOP	5.02	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.54 kW	5.21 kW
COP Tj = -7°C	3.16	2.27
Cdh		
Pdh Tj = +2°C	3.31 kW	3.27 kW
COP Tj = +2°C	4.86	3.56
Cdh		
Pdh Tj = +7°C	2.04 kW	2.84 kW
COP Tj = +7°C	6.72	4.49
Cdh		

Pdh Tj = 12°C	1.72 kW	3.34 kW
COP Tj = 12°C	7.96	5.98
Cdh		
Pdh Tj = Tbiv	6.20 kW	5.91 kW
COP Tj = Tbiv	2.72	1.93
Pdh Tj = TOL	6.20 kW	5.91 kW
COP Tj = TOL	2.72	1.93
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	33 W	33 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2550 kWh	3410 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 %	123 %
Prated	5.72 kW	5.48 kW
SCOP	4.28	3.15
Tbiv	-17 °C	-17 °C
TOL	-18 °C	-18 °C
Pdh Tj = -7°C	3.26 kW	3.47 kW
COP Tj = -7°C	3.63	2.66
Cdh		
Pdh Tj = +2°C	2.28 kW	2.42 kW
COP Tj = +2°C	5.41	3.86
Cdh		
Pdh Tj = +7°C	1.53 kW	2.83 kW
COP Tj = +7°C	6.76	4.70
Cdh		
Pdh Tj = 12°C	1.68 kW	3.31 kW
COP Tj = 12°C	7.17	6.19
Cdh		
Pdh Tj = Tbiv	4.96 kW	4.76 kW
COP Tj = Tbiv	2.44	1.82

Pdh Tj = TOL	4.84 kW	4.62 kW
COP Tj = TOL	2.39	1.76
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	33 W	33 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3289 kWh	4286 kWh
Pdh Tj = -15°C (if TOL<-20°C)		
COP Tj = -15°C (if TOL<-20°C)		
Cdh		

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	244 %	165 %
Prated	7.29 kW	7.25 kW
SCOP	6.17	4.19
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.29 kW	7.25 kW
COP Tj = +2°C	3.06	2.19
Pdh Tj = +7°C	4.69 kW	4.78 kW
COP Tj = +7°C	5.56	3.76
Pdh Tj = 12°C	3.64 kW	3.26 kW
COP Tj = 12°C	8.01	5.28
Pdh Tj = Tbiv	7.29 kW	7.25 kW
COP Tj = Tbiv	3.06	2.19
Pdh Tj = TOL	7.29 kW	7.25 kW
COP Tj = TOL	3.06	2.19
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	33 W	33 W
PSB	17 W	17 W
PCK	0 W	0 W

Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1578 kWh	2312 kWh