

Subtype Bosch Compress 7000iAW 13 OR and IR, Compress 6000 AW-13/s, Bosch CS7001iAW 13

Certificate Holder	Bosch Thermotechnik GmbH
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Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Bosch Compress 7000iAW 13 OR and IR, Compress 6000 AW-13/s, Bosch CS7001iAW 13
Registration number	011-1W0125
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	3.3 kg
Certification Date	18.07.2017
Testing basis	HP KEYMARK certification scheme rules rev. 11

Model Bosch CS7000iAW 13 IRMS-T

Model name	Bosch CS7000iAW 13 IRMS-T
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	91 %
COP	2.11
Heating up time	02:15 h:min
Standby power input	71.0 W
Reference hot water temperature	52.2 °C
Mixed water at 40°C	255 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	75 %
COP	1.73
Heating up time	02:37 h:min
Standby power input	94.0 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	257 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency η_{DHW}	102 %
COP	2.35
Heating up time	01:51 h:min
Standby power input	69.0 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	252 l

Model Bosch CS7000iAW 13 IRM-T

Model name	Bosch CS7000iAW 13 IRM-T
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	92 %
COP	2.15
Heating up time	02:12 h:min
Standby power input	68.0 W
Reference hot water temperature	53.2 °C
Mixed water at 40°C	265 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	76 %
COP	1.77
Heating up time	02:34 h:min
Standby power input	83.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	269 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency η_{DHW}	111 %
COP	2.55
Heating up time	01:49 h:min
Standby power input	66.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	266 l

Model Bosch CS7000iAW 13 IRB-T		
Model name	Bosch CS7000iAW 13 IRB-T	
Application	Heating (medium temp)	
Units	Indoor, Outdoor	
Climate zone (for heating)	Warmer Climate, Colder Climate	
Heat Source	Outdoor Air	
Reversibility	Yes	
Cooling mode application (optional)	n/a	
Any additional heat sources	n/a	
General data		
Power supply	3x400V 50Hz	
Off-peak product	No	
Outdoor Air/Water		
EN 14511-4 Heating		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	
EN 12102-1 Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)
EN 14825 Average Climate		
	Low temperature	Medium temperature
ηs	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.14 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = +7°C	3.54 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW
COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 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	4558 kWh	5389 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
η_s	148 %	113 %
Prated	9.05 kW	9.15 kW
SCOP	3.78	2.90
Tbiv	-17 °C	-16 °C
TOL	-18 °C	-17 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	2.70
Cdh Tj = -7 °C		
Pdh Tj = +2°C	5.40 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Cdh Tj = +2 °C		
Pdh Tj = +7°C	2.77 kW	5.19 kW
COP Tj = +7°C	6.35	4.86
Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	5.90
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	7.39 kW	7.71 kW
COP Tj = Tbiv	2.11	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.18 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C

Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	9.05 kW	9.15 kW
Annual energy consumption Qhe	5895 kWh	7769 kWh
Pdh Tj = -15°C (if TOL	7.80	1.92
COP Tj = -15°C (if TOL	2.61	1.92
Cdh Tj = -15 °C		

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	249 %	163 %
Prated	10.87 kW	11.43 kW
SCOP	6.29	4.15
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.87 kW	11.43 kW
COP Tj = +2°C	3.04	2.17
Pdh Tj = +7°C	7.30 kW	7.90 kW
COP Tj = +7°C	5.37	3.45
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	10.87 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.87 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 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	2308 kWh	3681 kWh

Model Bosch CS7000iAW 13 IRE-T

Model name	Bosch CS7000iAW 13 IRE-T
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.14 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = +7°C	3.54 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW
COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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	4558 kWh	5389 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	148 %	113 %
Prated	9.05 kW	9.15 kW
SCOP	3.78	2.90
Tbiv	-17 °C	-16 °C
TOL	-18 °C	-17 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	2.70
Pdh Tj = +2°C	5.40 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Pdh Tj = +7°C	2.77 kW	5.19 kW
COP Tj = +7°C	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	5.90
Pdh Tj = Tbiv	7.39 kW	7.71 kW
COP Tj = Tbiv	2.11	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.18 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	9.05 kW	9.15 kW
Annual energy consumption Q _{he}	5895 kWh	7769 kWh
P _{dh} T _j = -15°C (if TOL	7.80	1.92
COP T _j = -15°C (if TOL	2.61	1.92

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
η _s	249 %	163 %
Prated	10.87 kW	11.43 kW
SCOP	6.29	4.15
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2°C	10.87 kW	11.43 kW
COP T _j = +2°C	3.04	2.17
P _{dh} T _j = +7°C	7.30 kW	7.90 kW
COP T _j = +7°C	5.37	3.45
P _{dh} T _j = 12°C	3.13 kW	6.01 kW
COP T _j = 12°C	8.25	5.56
P _{dh} T _j = T _{biv}	10.87 kW	11.43 kW
COP T _j = T _{biv}	3.04	2.17
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	10.87 kW	11.43 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	3.04	2.17
WTOL	60 °C	60 °C
P _{off}	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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 Q _{he}	2308 kWh	3681 kWh

Model Bosch CS7000iAW 13 ORMS-T

Model name	Bosch CS7000iAW 13 ORMS-T
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	91 %
COP	2.11
Heating up time	02:15 h:min
Standby power input	71.0 W
Reference hot water temperature	52.2 °C
Mixed water at 40°C	255 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	75 %
COP	1.73
Heating up time	02:37 h:min
Standby power input	94.0 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	257 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency η_{DHW}	102 %
COP	2.35
Heating up time	01:51 h:min
Standby power input	69.0 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	252 l

Model Bosch CS7000iAW 13 ORM-T

Model name	Bosch CS7000iAW 13 ORM-T
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	92 %
COP	2.15
Heating up time	02:12 h:min
Standby power input	68.0 W
Reference hot water temperature	53.2 °C
Mixed water at 40°C	265 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	76 %
COP	1.77
Heating up time	02:34 h:min
Standby power input	83.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	269 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency η_{DHW}	111 %
COP	2.55
Heating up time	01:48 h:min
Standby power input	66.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	266 l

Model Bosch CS7000iAW 13 ORB-T

Model name	Bosch CS7000iAW 13 ORB-T
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = +7°C	3.68 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW
COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 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	4562 kWh	5389 kWh

EN 12102-1 | Colder Climate

	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 | Colder Climate

	Low temperature	Medium temperature
η_s	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	2.70
Cdh Tj = -7 °C		
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Cdh Tj = +2 °C		
Pdh Tj = +7°C	5.48 kW	5.19 kW
COP Tj = +7°C	6.35	4.86
Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C

Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL	8.25	1.92
COP Tj = -15°C (if TOL	2.61	1.92
Cdh Tj = -15 °C		

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	249 %	167 %
Prated	11.80 kW	11.43 kW
SCOP	6.30	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.80 kW	11.43 kW
COP Tj = +2°C	3.04	2.17
Pdh Tj = +7°C	7.62 kW	7.90 kW
COP Tj = +7°C	5.37	3.61
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	11.80 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 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	2504 kWh	3603 kWh

Model Bosch CS7000iAW 13 ORE-T

Model name	Bosch CS7000iAW 13 ORE-T
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = +7°C	3.68 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW
COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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	4562 kWh	5389 kWh

EN 12102-1 | Colder Climate

	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 | Colder Climate

	Low temperature	Medium temperature
ηs	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	2.70
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Pdh Tj = +7°C	5.48 kW	5.19 kW
COP Tj = +7°C	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Q _{he}	6039 kWh	7456 kWh
P _{dh} T _j = -15°C (if TOL	8.25	1.92
COP T _j = -15°C (if TOL	2.61	1.92

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
η _s	249 %	167 %
Prated	11.80 kW	11.43 kW
SCOP	6.30	4.24
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2°C	11.80 kW	11.43 kW
COP T _j = +2°C	3.04	2.17
P _{dh} T _j = +7°C	7.62 kW	7.90 kW
COP T _j = +7°C	5.37	3.61
P _{dh} T _j = 12°C	3.13 kW	6.01 kW
COP T _j = 12°C	8.25	5.56
P _{dh} T _j = T _{biv}	11.80 kW	11.43 kW
COP T _j = T _{biv}	3.04	2.17
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	11.80 kW	11.43 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	3.04	2.17
WTOL	60 °C	60 °C
P _{off}	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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 Q _{he}	2504 kWh	3603 kWh

Model Bosch CS7000iAW 13 ORMS-S

Model name	Bosch CS7000iAW 13 ORMS-S
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	89 %
COP	2.09
Heating up time	02:21 h:min
Standby power input	63.0 W
Reference hot water temperature	51.9 °C
Mixed water at 40°C	256 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	80 %
COP	1.87
Heating up time	02:43 h:min
Standby power input	84.0 W
Reference hot water temperature	52.3 °C
Mixed water at 40°C	258 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency η_{DHW}	100 %
COP	2.32
Heating up time	01:48 h:min
Standby power input	57.0 W
Reference hot water temperature	51.6 °C
Mixed water at 40°C	253 l

Model Bosch CS7000iAW 13 ORM-S

Model name	Bosch CS7000iAW 13 ORM-S
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	91 %
COP	2.13
Heating up time	02:18 h:min
Standby power input	60.0 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	266 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	82 %
COP	1.91
Heating up time	02:41 h:min
Standby power input	74.0 W
Reference hot water temperature	53.5 °C
Mixed water at 40°C	270 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency η_{DHW}	108 %
COP	2.52
Heating up time	01:46 h:min
Standby power input	55.0 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	267 l

Model Bosch CS7000iAW 13 ORB-S

Model name	Bosch CS7000iAW 13 ORB-S
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	186 %	139 %
Prated	10.40 kW	8.60 kW
SCOP	4.73	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.07 kW	7.72 kW
COP Tj = -7°C	2.88	2.28
Pdh Tj = +2°C	5.93 kW	4.45 kW
COP Tj = +2°C	4.65	3.53
Pdh Tj = +7°C	3.75 kW	5.21 kW
COP Tj = +7°C	6.29	4.41
Pdh Tj = 12°C	3.11 kW	6.23 kW
COP Tj = 12°C	7.25	5.75
Pdh Tj = Tbiv	10.45 kW	8.59 kW
COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.45 kW	8.59 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 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	4540 kWh	5008 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
Tbiv	-17 °C	-15 °C
TOL	-20 °C	-17 °C
Pdh Tj = -7°C	6.24 kW	6.49 kW
COP Tj = -7°C	3.56	2.65
Cdh Tj = -7 °C		
Pdh Tj = +2°C	3.66 kW	4.49 kW
COP Tj = +2°C	5.14	3.88
Cdh Tj = +2 °C		
Pdh Tj = +7°C	2.82 kW	5.35 kW
COP Tj = +7°C	6.30	4.87
Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.06 kW	6.32 kW
COP Tj = 12°C	6.86	6.09
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	8.60 kW	8.70 kW
COP Tj = Tbiv	2.24	1.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C

Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL	8.38	1.83
COP Tj = -15°C (if TOL	2.44	1.83
Cdh Tj = -15 °C		

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	228 %	166 %
Prated	12.10 kW	10.00 kW
SCOP	5.78	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.20 kW	10.02 kW
COP Tj = +2°C	2.73	2.18
Pdh Tj = +7°C	7.77 kW	6.46 kW
COP Tj = +7°C	4.99	3.73
Pdh Tj = 12°C	3.46 kW	6.17 kW
COP Tj = 12°C	7.51	5.41
Pdh Tj = Tbiv	12.20 kW	10.02 kW
COP Tj = Tbiv	2.73	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 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	2796 kWh	3154 kWh

Model Bosch CS7000iAW 13 ORE-S

Model name	Bosch CS7000iAW 13 ORE-S
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	186 %	139 %
Prated	10.40 kW	8.60 kW
SCOP	4.73	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.07 kW	7.72 kW
COP Tj = -7°C	2.88	2.28
Pdh Tj = +2°C	5.93 kW	4.45 kW
COP Tj = +2°C	4.65	3.53
Pdh Tj = +7°C	3.75 kW	5.21 kW
COP Tj = +7°C	6.29	4.41
Pdh Tj = 12°C	3.11 kW	6.23 kW
COP Tj = 12°C	7.25	5.75
Pdh Tj = Tbiv	10.45 kW	8.59 kW
COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.45 kW	8.59 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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	4540 kWh	5008 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
Tbiv	-17 °C	-15 °C
TOL	-20 °C	-17 °C
Pdh Tj = -7°C	6.24 kW	6.49 kW
COP Tj = -7°C	3.56	2.65
Pdh Tj = +2°C	3.66 kW	4.49 kW
COP Tj = +2°C	5.14	3.88
Pdh Tj = +7°C	2.82 kW	5.35 kW
COP Tj = +7°C	6.30	4.87
Pdh Tj = 12°C	3.06 kW	6.32 kW
COP Tj = 12°C	6.86	6.09
Pdh Tj = Tbiv	8.60 kW	8.70 kW
COP Tj = Tbiv	2.24	1.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Q_{he}	5762 kWh	8402 kWh
$P_{dh} T_j = -15^{\circ}\text{C}$ (if TOL	8.38	1.83
$COP T_j = -15^{\circ}\text{C}$ (if TOL	2.44	1.83

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
η_s	228 %	166 %
Prated	12.10 kW	10.00 kW
SCOP	5.78	4.24
T_{biv}	2 °C	2 °C
TOL	2 °C	2 °C
$P_{dh} T_j = +2^{\circ}\text{C}$	12.20 kW	10.02 kW
$COP T_j = +2^{\circ}\text{C}$	2.73	2.18
$P_{dh} T_j = +7^{\circ}\text{C}$	7.77 kW	6.46 kW
$COP T_j = +7^{\circ}\text{C}$	4.99	3.73
$P_{dh} T_j = 12^{\circ}\text{C}$	3.46 kW	6.17 kW
$COP T_j = 12^{\circ}\text{C}$	7.51	5.41
$P_{dh} T_j = T_{biv}$	12.20 kW	10.02 kW
$COP T_j = T_{biv}$	2.73	2.18
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	12.20 kW	10.02 kW
$COP T_j = TOL$ or $COP T_j = T_{designh}$ if $TOL < T_{designh}$	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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 Q_{he}	2796 kWh	3154 kWh

Model Bosch Compress 6000 AW-13 AWB

Model name	Bosch Compress 6000 AW-13 AWB
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = +7°C	3.68 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW
COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 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	4562 kWh	5389 kWh

EN 12102-1 | Colder Climate

	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 | Colder Climate

	Low temperature	Medium temperature
ηs	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	2.70
Cdh Tj = -7 °C		
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Cdh Tj = +2 °C		
Pdh Tj = +7°C	5.48 kW	5.19 kW
COP Tj = +7°C	6.35	4.86
Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C

Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL	8.25	1.92
COP Tj = -15°C (if TOL	2.61	1.92
Cdh Tj = -15 °C		

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	249 %	167 %
Prated	11.80 kW	11.43 kW
SCOP	6.30	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.80 kW	11.43 kW
COP Tj = +2°C	3.04	2.17
Pdh Tj = +7°C	7.62 kW	7.90 kW
COP Tj = +7°C	5.37	3.61
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	11.80 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 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	2504 kWh	3603 kWh

Model Bosch Compress 6000 AW-13 AWM

Model name	Bosch Compress 6000 AW-13 AWM
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	92 %
COP	2.15
Heating up time	02:12 h:min
Standby power input	68.0 W
Reference hot water temperature	53.2 °C
Mixed water at 40°C	265 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	76 %
COP	1.77
Heating up time	02:34 h:min
Standby power input	83.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	269 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency η_{DHW}	111 %
COP	2.55
Heating up time	01:48 h:min
Standby power input	66.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	266 l

Model Bosch Compress 6000 AW-13 AWE

Model name	Bosch Compress 6000 AW-13 AWE
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = +7°C	3.68 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW
COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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	4562 kWh	5389 kWh

EN 12102-1 | Colder Climate

	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 | Colder Climate

	Low temperature	Medium temperature
ηs	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	2.70
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Pdh Tj = +7°C	5.48 kW	5.19 kW
COP Tj = +7°C	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Q _{he}	6039 kWh	7456 kWh
P _{dh} T _j = -15°C (if TOL	8.25	1.92
COP T _j = -15°C (if TOL	2.61	1.92

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
η _s	249 %	167 %
Prated	11.80 kW	11.43 kW
SCOP	6.30	4.24
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2°C	11.80 kW	11.43 kW
COP T _j = +2°C	3.04	2.17
P _{dh} T _j = +7°C	7.62 kW	7.90 kW
COP T _j = +7°C	5.37	3.61
P _{dh} T _j = 12°C	3.13 kW	6.01 kW
COP T _j = 12°C	8.25	5.56
P _{dh} T _j = T _{biv}	11.80 kW	11.43 kW
COP T _j = T _{biv}	3.04	2.17
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	11.80 kW	11.43 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	3.04	2.17
WTOL	60 °C	60 °C
P _{off}	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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 Q _{he}	2504 kWh	3603 kWh

Model Bosch Compress 6000 AW-13 AWMS

Model name	Bosch Compress 6000 AW-13 AWMS
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	91 %
COP	2.11
Heating up time	02:15 h:min
Standby power input	71.0 W
Reference hot water temperature	52.2 °C
Mixed water at 40°C	255 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	75 %
COP	1.73
Heating up time	02:37 h:min
Standby power input	94.0 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	257 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency η_{DHW}	102 %
COP	2.35
Heating up time	01:51 h:min
Standby power input	69.0 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	252 l

Model Bosch Compress 6000 AW-13s AWB

Model name	Bosch Compress 6000 AW-13s AWB
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	186 %	139 %
Prated	10.40 kW	8.60 kW
SCOP	4.73	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.07 kW	7.72 kW
COP Tj = -7°C	2.88	2.28
Pdh Tj = +2°C	5.93 kW	4.45 kW
COP Tj = +2°C	4.65	3.53
Pdh Tj = +7°C	3.75 kW	5.21 kW
COP Tj = +7°C	6.29	4.41
Pdh Tj = 12°C	3.11 kW	6.23 kW
COP Tj = 12°C	7.25	5.75
Pdh Tj = Tbiv	10.45 kW	8.59 kW
COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.45 kW	8.59 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 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	4540 kWh	5008 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
Tbiv	-17 °C	-15 °C
TOL	-20 °C	-17 °C
Pdh Tj = -7°C	6.24 kW	6.49 kW
COP Tj = -7°C	3.56	2.65
Cdh Tj = -7 °C		
Pdh Tj = +2°C	3.66 kW	4.49 kW
COP Tj = +2°C	5.14	3.88
Cdh Tj = +2 °C		
Pdh Tj = +7°C	2.82 kW	5.35 kW
COP Tj = +7°C	6.30	4.87
Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.06 kW	6.32 kW
COP Tj = 12°C	6.86	6.09
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	8.60 kW	8.70 kW
COP Tj = Tbiv	2.24	1.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C

Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Qhe	5762 kWh	8402 kWh
Pdh Tj = -15°C (if TOL	8.38	1.83
COP Tj = -15°C (if TOL	2.44	1.83
Cdh Tj = -15 °C		

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	228 %	166 %
Prated	12.10 kW	10.00 kW
SCOP	5.78	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.20 kW	10.02 kW
COP Tj = +2°C	2.73	2.18
Pdh Tj = +7°C	7.77 kW	6.46 kW
COP Tj = +7°C	4.99	3.73
Pdh Tj = 12°C	3.46 kW	6.17 kW
COP Tj = 12°C	7.51	5.41
Pdh Tj = Tbiv	12.20 kW	10.02 kW
COP Tj = Tbiv	2.73	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 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	2796 kWh	3154 kWh

Model Bosch Compress 6000 AW-13s AWM

Model name	Bosch Compress 6000 AW-13s AWM
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	91 %
COP	2.13
Heating up time	02:18 h:min
Standby power input	60.0 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	266 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	82 %
COP	1.91
Heating up time	02:41 h:min
Standby power input	74.0 W
Reference hot water temperature	53.5 °C
Mixed water at 40°C	270 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency η_{DHW}	108 %
COP	2.52
Heating up time	01:46 h:min
Standby power input	55.0 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	267 l

Model Bosch Compress 6000 AW-13s AWMS

Model name	Bosch Compress 6000 AW-13s AWMS
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	89 %
COP	2.09
Heating up time	02:21 h:min
Standby power input	63.0 W
Reference hot water temperature	51.9 °C
Mixed water at 40°C	256 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	80 %
COP	1.87
Heating up time	02:43 h:min
Standby power input	84.0 W
Reference hot water temperature	52.3 °C
Mixed water at 40°C	258 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency η_{DHW}	100 %
COP	2.32
Heating up time	01:48 h:min
Standby power input	57.0 W
Reference hot water temperature	51.6 °C
Mixed water at 40°C	253 l

Model Bosch Compress 6000 AW-13s AWE

Model name	Bosch Compress 6000 AW-13s AWE
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	186 %	139 %
Prated	10.40 kW	8.60 kW
SCOP	4.73	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.07 kW	7.72 kW
COP Tj = -7°C	2.88	2.28
Pdh Tj = +2°C	5.93 kW	4.45 kW
COP Tj = +2°C	4.65	3.53
Pdh Tj = +7°C	3.75 kW	5.21 kW
COP Tj = +7°C	6.29	4.41
Pdh Tj = 12°C	3.11 kW	6.23 kW
COP Tj = 12°C	7.25	5.75
Pdh Tj = Tbiv	10.45 kW	8.59 kW
COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.45 kW	8.59 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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	4540 kWh	5008 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
Tbiv	-17 °C	-15 °C
TOL	-20 °C	-17 °C
Pdh Tj = -7°C	6.24 kW	6.49 kW
COP Tj = -7°C	3.56	2.65
Pdh Tj = +2°C	3.66 kW	4.49 kW
COP Tj = +2°C	5.14	3.88
Pdh Tj = +7°C	2.82 kW	5.35 kW
COP Tj = +7°C	6.30	4.87
Pdh Tj = 12°C	3.06 kW	6.32 kW
COP Tj = 12°C	6.86	6.09
Pdh Tj = Tbiv	8.60 kW	8.70 kW
COP Tj = Tbiv	2.24	1.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Q _{he}	5762 kWh	8402 kWh
P _{dh} T _j = -15°C (if TOL	8.38	1.83
COP T _j = -15°C (if TOL	2.44	1.83

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
η _s	228 %	166 %
Prated	12.10 kW	10.00 kW
SCOP	5.78	4.24
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2°C	12.20 kW	10.02 kW
COP T _j = +2°C	2.73	2.18
P _{dh} T _j = +7°C	7.77 kW	6.46 kW
COP T _j = +7°C	4.99	3.73
P _{dh} T _j = 12°C	3.46 kW	6.17 kW
COP T _j = 12°C	7.51	5.41
P _{dh} T _j = T _{biv}	12.20 kW	10.02 kW
COP T _j = T _{biv}	2.73	2.18
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	12.20 kW	10.02 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	2.73	2.18
WTOL	60 °C	60 °C
P _{off}	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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 Q _{he}	2796 kWh	3154 kWh

Model Bosch CS7001iAW 13 ORMS-T

Model name	Bosch CS7001iAW 13 ORMS-T
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	91 %
COP	2.11
Heating up time	02:15 h:min
Standby power input	71.0 W
Reference hot water temperature	52.2 °C
Mixed water at 40°C	255 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	75 %
COP	1.73
Heating up time	02:37 h:min
Standby power input	94.0 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	257 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency η_{DHW}	102 %
COP	2.35
Heating up time	01:51 h:min
Standby power input	69.0 W
Reference hot water temperature	51.3 °C
Mixed water at 40°C	252 l

Model Bosch CS7001iAW 13 ORM-T

Model name	Bosch CS7001iAW 13 ORM-T
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	92 %
COP	2.15
Heating up time	02:12 h:min
Standby power input	68.0 W
Reference hot water temperature	53.2 °C
Mixed water at 40°C	265 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	76 %
COP	1.77
Heating up time	02:34 h:min
Standby power input	83.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	269 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency η_{DHW}	111 %
COP	2.55
Heating up time	01:48 h:min
Standby power input	66.0 W
Reference hot water temperature	52.7 °C
Mixed water at 40°C	266 l

Model Bosch CS7001iAW 13 ORB-T

Model name	Bosch CS7001iAW 13 ORB-T
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = +7°C	3.68 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW
COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 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	4562 kWh	5389 kWh

EN 12102-1 | Colder Climate

	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 | Colder Climate

	Low temperature	Medium temperature
ηs	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	2.70
Cdh Tj = -7 °C		
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Cdh Tj = +2 °C		
Pdh Tj = +7°C	5.48 kW	5.19 kW
COP Tj = +7°C	6.35	4.86
Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C

Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Qhe	6039 kWh	7456 kWh
Pdh Tj = -15°C (if TOL	8.25	1.92
COP Tj = -15°C (if TOL	2.61	1.92
Cdh Tj = -15 °C		

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	249 %	167 %
Prated	11.80 kW	11.43 kW
SCOP	6.30	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.80 kW	11.43 kW
COP Tj = +2°C	3.04	2.17
Pdh Tj = +7°C	7.62 kW	7.90 kW
COP Tj = +7°C	5.37	3.61
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	8.25	5.56
Pdh Tj = Tbiv	11.80 kW	11.43 kW
COP Tj = Tbiv	3.04	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.04	2.17
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 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	2504 kWh	3603 kWh

Model Bosch CS7001iAW 13 ORE-T

Model name	Bosch CS7001iAW 13 ORE-T
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	140 %
Prated	9.97 kW	9.33 kW
SCOP	4.52	3.58
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
COP Tj = -7°C	2.95	2.21
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	4.04	3.58
Pdh Tj = +7°C	3.68 kW	5.12 kW
COP Tj = +7°C	6.71	4.54
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.94	5.66
Pdh Tj = Tbiv	9.97 kW	9.33 kW
COP Tj = Tbiv	2.59	1.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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	4562 kWh	5389 kWh

EN 12102-1 | Colder Climate

	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 | Colder Climate

	Low temperature	Medium temperature
ηs	152 %	114 %
Prated	9.49 kW	8.87 kW
SCOP	3.87	2.93
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.61	2.70
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	4.12	3.23
Pdh Tj = +7°C	5.48 kW	5.19 kW
COP Tj = +7°C	6.35	4.86
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.59	6.14
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.36	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.16	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	9.49 kW	8.87 kW
Annual energy consumption Q _{he}	6039 kWh	7456 kWh
P _{dh} T _j = -15°C (if TOL	8.25	1.92
COP T _j = -15°C (if TOL	2.61	1.92

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
η _s	249 %	167 %
Prated	11.80 kW	11.43 kW
SCOP	6.30	4.24
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2°C	11.80 kW	11.43 kW
COP T _j = +2°C	3.04	2.17
P _{dh} T _j = +7°C	7.62 kW	7.90 kW
COP T _j = +7°C	5.37	3.61
P _{dh} T _j = 12°C	3.13 kW	6.01 kW
COP T _j = 12°C	8.25	5.56
P _{dh} T _j = T _{biv}	11.80 kW	11.43 kW
COP T _j = T _{biv}	3.04	2.17
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	11.80 kW	11.43 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	3.04	2.17
WTOL	60 °C	60 °C
P _{off}	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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 Q _{he}	2504 kWh	3603 kWh

Model Bosch CS7001iAW 13 ORM-S

Model name	Bosch CS7001iAW 13 ORM-S
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	91 %
COP	2.13
Heating up time	02:18 h:min
Standby power input	60.0 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	266 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	82 %
COP	1.91
Heating up time	02:41 h:min
Standby power input	74.0 W
Reference hot water temperature	53.5 °C
Mixed water at 40°C	270 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency η_{DHW}	108 %
COP	2.52
Heating up time	01:46 h:min
Standby power input	55.0 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	267 l

Model Bosch CS7001iAW 13 ORMS-S

Model name	Bosch CS7001iAW 13 ORMS-S
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	89 %
COP	2.09
Heating up time	02:21 h:min
Standby power input	63.0 W
Reference hot water temperature	51.9 °C
Mixed water at 40°C	256 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	80 %
COP	1.87
Heating up time	02:43 h:min
Standby power input	84.0 W
Reference hot water temperature	52.3 °C
Mixed water at 40°C	258 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency η_{DHW}	100 %
COP	2.32
Heating up time	01:48 h:min
Standby power input	57.0 W
Reference hot water temperature	51.6 °C
Mixed water at 40°C	253 l

Model Bosch CS7001iAW 13 ORE-S

Model name	Bosch CS7001iAW 13 ORE-S
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	186 %	139 %
Prated	10.40 kW	8.60 kW
SCOP	4.73	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.07 kW	7.72 kW
COP Tj = -7°C	2.88	2.28
Pdh Tj = +2°C	5.93 kW	4.45 kW
COP Tj = +2°C	4.65	3.53
Pdh Tj = +7°C	3.75 kW	5.21 kW
COP Tj = +7°C	6.29	4.41
Pdh Tj = 12°C	3.11 kW	6.23 kW
COP Tj = 12°C	7.25	5.75
Pdh Tj = Tbiv	10.45 kW	8.59 kW
COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.45 kW	8.59 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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	4540 kWh	5008 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
Tbiv	-17 °C	-15 °C
TOL	-20 °C	-17 °C
Pdh Tj = -7°C	6.24 kW	6.49 kW
COP Tj = -7°C	3.56	2.65
Pdh Tj = +2°C	3.66 kW	4.49 kW
COP Tj = +2°C	5.14	3.88
Pdh Tj = +7°C	2.82 kW	5.35 kW
COP Tj = +7°C	6.30	4.87
Pdh Tj = 12°C	3.06 kW	6.32 kW
COP Tj = 12°C	6.86	6.09
Pdh Tj = Tbiv	8.60 kW	8.70 kW
COP Tj = Tbiv	2.24	1.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Qhe	5762 kWh	8402 kWh

Pdh Tj = -15°C (if TOL	8.38	1.83
COP Tj = -15°C (if TOL	2.44	1.83

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	228 %	166 %
Prated	12.10 kW	10.00 kW
SCOP	5.78	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.20 kW	10.02 kW
COP Tj = +2°C	2.73	2.18
Pdh Tj = +7°C	7.77 kW	6.46 kW
COP Tj = +7°C	4.99	3.73
Pdh Tj = 12°C	3.46 kW	6.17 kW
COP Tj = 12°C	7.51	5.41
Pdh Tj = Tbiv	12.20 kW	10.02 kW
COP Tj = Tbiv	2.73	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.20 kW	10.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	2.18
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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	2796 kWh	3154 kWh

Model Bosch CS7001iAW 13 ORB-S

Model name	Bosch CS7001iAW 13 ORB-S
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	186 %	139 %
Prated	10.40 kW	8.60 kW
SCOP	4.73	3.55
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.07 kW	7.72 kW
COP Tj = -7°C	2.88	2.28
Pdh Tj = +2°C	5.93 kW	4.45 kW
COP Tj = +2°C	4.65	3.53
Pdh Tj = +7°C	3.75 kW	5.21 kW
COP Tj = +7°C	6.29	4.41
Pdh Tj = 12°C	3.11 kW	6.23 kW
COP Tj = 12°C	7.25	5.75
Pdh Tj = Tbiv	10.45 kW	8.59 kW
COP Tj = Tbiv	2.51	1.89
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.45 kW	8.59 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.89
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 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	4540 kWh	5008 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	165 %	121 %
Prated	9.80 kW	10.60 kW
SCOP	4.19	3.11
Tbiv	-17 °C	-15 °C
TOL	-20 °C	-17 °C
Pdh Tj = -7°C	6.24 kW	6.49 kW
COP Tj = -7°C	3.56	2.65
Cdh Tj = -7 °C		
Pdh Tj = +2°C	3.66 kW	4.49 kW
COP Tj = +2°C	5.14	3.88
Cdh Tj = +2 °C		
Pdh Tj = +7°C	2.82 kW	5.35 kW
COP Tj = +7°C	6.30	4.87
Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.06 kW	6.32 kW
COP Tj = 12°C	6.86	6.09
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	8.60 kW	8.70 kW
COP Tj = Tbiv	2.24	1.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW	8.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W

PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	9.80 kW	10.60 kW
Annual energy consumption Q _{he}	5762 kWh	8402 kWh
P _{dh} T _j = -15°C (if TOL	8.38	1.83
COP T _j = -15°C (if TOL	2.44	1.83
C _{dh} T _j = -15 °C		

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
η _s	228 %	166 %
Prated	12.10 kW	10.00 kW
SCOP	5.78	4.24
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _{dh} T _j = +2°C	12.20 kW	10.02 kW
COP T _j = +2°C	2.73	2.18
P _{dh} T _j = +7°C	7.77 kW	6.46 kW
COP T _j = +7°C	4.99	3.73
P _{dh} T _j = 12°C	3.46 kW	6.17 kW
COP T _j = 12°C	7.51	5.41
P _{dh} T _j = T _{biv}	12.20 kW	10.02 kW
COP T _j = T _{biv}	2.73	2.18
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	12.20 kW	10.02 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	2.73	2.18
WTOL	60 °C	60 °C
P _{off}	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 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 Q _{he}	2796 kWh	3154 kWh

Model Bosch CS7001iAW 13 ORMB-T

Model name	Bosch CS7001iAW 13 ORMB-T
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	170 %	137 %
Prated	9.97 kW	9.26 kW
SCOP	4.31	3.49
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.53 kW	8.41 kW
COP Tj = -7°C	2.89	2.18
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	3.88	3.50
Pdh Tj = +7°C	3.68 kW	5.12 kW
COP Tj = +7°C	6.30	4.42
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.35	5.51
Pdh Tj = Tbiv	9.97 kW	9.33 kW
COP Tj = Tbiv	2.54	1.82
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.82
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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	4776 kWh	5484 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
η_s	145 %	112 %
Prated	9.49 kW	8.88 kW
SCOP	3.71	2.87
Tbiv	-17 °C	-17 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.49	2.65
Pdh Tj = +2°C	7.25 kW	6.86 kW
COP Tj = +2°C	3.95	3.16
Pdh Tj = +7°C	5.48 kW	5.19 kW
COP Tj = +7°C	6.00	4.71
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.04	5.92
Pdh Tj = Tbiv	8.25 kW	7.71 kW
COP Tj = Tbiv	2.30	1.70
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.11	1.67
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.49 kW	8.88 kW
Annual energy consumption Qhe	6307 kWh	7636 kWh

Pdh Tj = -15°C (if TOL	7.80	7.29
COP Tj = -15°C (if TOL	2.54	1.90

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	233 %	161 %
Prated	11.80 kW	11.43 kW
SCOP	5.90	4.10
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.80 kW	11.43 kW
COP Tj = +2°C	2.98	2.14
Pdh Tj = +7°C	7.62 kW	7.90 kW
COP Tj = +7°C	5.11	3.54
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	7.61	5.38
Pdh Tj = Tbiv	11.80 kW	11.43 kW
COP Tj = Tbiv	2.98	2.14
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.98	2.14
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 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	2673 kWh	3720 kWh

Model Bosch CS7000iAW 13 IRMB-T

Model name	Bosch CS7000iAW 13 IRMB-T
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	170 %	136 %
Prated	9.97 kW	9.33 kW
SCOP	4.32	3.48
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.14 kW	8.41 kW
COP Tj = -7°C	2.88	2.18
Pdh Tj = +2°C	5.48 kW	4.74 kW
COP Tj = +2°C	3.89	3.50
Pdh Tj = +7°C	3.54 kW	5.12 kW
COP Tj = +7°C	6.30	4.41
Pdh Tj = 12°C	3.11 kW	6.10 kW
COP Tj = 12°C	7.35	5.47
Pdh Tj = Tbiv	9.97 kW	9.33 kW
COP Tj = Tbiv	2.54	1.82
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.97 kW	9.33 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.82
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4766 kWh	5534 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
η_s	143 %	111 %
Prated	9.05 kW	9.15 kW
SCOP	3.64	2.84
Tbiv	-17 °C	-16 °C
TOL	-18 °C	-17 °C
Pdh Tj = -7°C	5.98 kW	5.62 kW
COP Tj = -7°C	3.49	2.66
Pdh Tj = +2°C	5.40 kW	6.86 kW
COP Tj = +2°C	3.97	3.17
Pdh Tj = +7°C	2.77 kW	5.19 kW
COP Tj = +7°C	5.95	4.72
Pdh Tj = 12°C	3.07 kW	6.14 kW
COP Tj = 12°C	7.04	5.70
Pdh Tj = Tbiv	7.39 kW	7.71 kW
COP Tj = Tbiv	2.07	1.70
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.18 kW	6.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.12	1.67
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.05 kW	9.15 kW
Annual energy consumption Qhe	6132 kWh	7938 kWh

Pdh Tj = -15°C (if TOL	7.80	7.29
COP Tj = -15°C (if TOL	2.54	1.90

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	37 dB(A)	37 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	233 %	158 %
Prated	10.87 kW	11.43 kW
SCOP	5.89	4.02
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	10.87 kW	11.43 kW
COP Tj = +2°C	2.98	2.14
Pdh Tj = +7°C	7.30 kW	7.90 kW
COP Tj = +7°C	5.10	3.38
Pdh Tj = 12°C	3.13 kW	6.01 kW
COP Tj = 12°C	7.61	5.38
Pdh Tj = Tbiv	10.87 kW	11.43 kW
COP Tj = Tbiv	2.98	2.14
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.87 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.98	2.14
WTOL	60 °C	60 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	12 W	12 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2466 kWh	3799 kWh

Model Bosch CS7001i AW 13 O TH

Model name	Bosch CS7001i AW 13 O TH
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	24 dB(A)	24 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	194 %	136 %
Prated	10.00 kW	9.30 kW
SCOP	4.92	3.47
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.31 kW	8.39 kW
COP Tj = -7°C	3.00	2.15
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.17 kW	4.65 kW
COP Tj = +2°C	4.88	3.48
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.70 kW	5.06 kW
COP Tj = +7°C	6.56	4.46
Cdh Tj = +7 °C	1.000	0.980
Pdh Tj = 12°C	3.22 kW	6.05 kW
COP Tj = 12°C	8.28	5.81
Cdh Tj = +12 °C	0.930	0.970
Pdh Tj = Tbiv	10.23 kW	8.39 kW
COP Tj = Tbiv	2.60	2.15

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.23 kW	6.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.89
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	27 W	27 W
PSB	26 W	26 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	Gas
Supplementary Heater: PSUP	0.00 kW	2.97 kW
Annual energy consumption Qhe	4198 kWh	5535 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	24 dB(A)	24 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	168 %	119 %
Prated	9.50 kW	8.90 kW
SCOP	4.16	3.05
Tbiv	-17 °C	-12 °C
TOL	-20 °C	-18 °C
Pdh Tj = -7°C	5.79 kW	5.78 kW
COP Tj = -7°C	3.72	2.68
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.50 kW	3.83 kW
COP Tj = +2°C	4.89	3.28
Cdh Tj = +2 °C	1.000	0.980
Pdh Tj = +7°C	2.77 kW	5.23 kW
COP Tj = +7°C	7.49	4.71
Cdh Tj = +7 °C	0.930	0.980
Pdh Tj = 12°C	3.20 kW	6.11 kW
COP Tj = 12°C	8.18	6.04
Cdh Tj = +12 °C	0.930	0.970
Pdh Tj = Tbiv	8.55 kW	6.42 kW
COP Tj = Tbiv	2.25	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.86 kW	5.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.86

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh

WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	27 W	27 W
PSB	26 W	26 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	9.50 kW	8.90 kW
Annual energy consumption Qhe	5487 kWh	7194 kWh
Pdh Tj = -15°C (if TOL	8.31	
COP Tj = -15°C (if TOL	2.46	
Cdh Tj = -15 °C		

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	24 dB(A)	24 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	237 %	161 %
Prated	11.80 kW	11.40 kW
SCOP	6.00	4.11
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.80 kW	11.43 kW
COP Tj = +2°C	2.97	2.08
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	7.71 kW	7.96 kW
COP Tj = +7°C	5.04	3.53
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	3.21 kW	5.96 kW
COP Tj = 12°C	8.31	5.57
Cdh Tj = +12 °C	1.000	0.970
Pdh Tj = Tbiv	11.80 kW	11.43 kW
COP Tj = Tbiv	2.97	2.08
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.80 kW	11.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.97	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	27 W	27 W

PSB	26 W	26 W
PCK	0 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 Q _{he}	2628 kWh	3705 kWh