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This information was generated by the HP KEYMARK database on 22 Jun 2022

Login

| Summary of | Bosch Compress 7000iAW 17 OR and IR, Compress 6000 AW-17, Bosch CS7001iAW 17 | Reg. No. | 011- 1W0126 | |
|------------------------|---|-------------|----------------|--|
| Certificate Hole | der | | | |
| Name | Bosch Thermotechnik GmbH | | | |
| Address | Junkersstraße 20 - 24 | Zip | 73249 | |
| City | Wernau | Country | Germany | |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | | |
| Subtype title | Bosch Compress 7000iAW 17 OR and IR, Compress 6000 AW-17, Bosch CS7001iAW 17 | | | |
| Heat Pump Type | Outdoor Air/Water | | | |
| Refrigerant | R410A | | | |
| Mass of Refrigerant | 4 kg | | | |
| Certification Date | 18.07.2017 | | | |
| Testing basis | HP KEYMARK certification scheme rules rev. 8 | | | |
| | | | | |

Model: Bosch CS7000iAW 17 IRMS-T

| Configure model | | | |
|--------------------------------------|---------------------------------|--|--|
| Model name Bosch CS7000iAW 17 IRMS-T | | | |
| Application | Heating + DHW + low temp | | |
| Units | Indoor + Outdoor | | |
| Climate Zone | Colder Climate + Warmer Climate | | |
| Reversibility | Yes | | |
| Cooling mode application (optional) | n/a | | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

| EN 14511-2 | | | |
|-------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 5.08 kW | 4.10 kW | |
| El input | 1.04 kW | 1.63 kW | |
| СОР | 4.90 | 2.51 | |

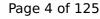
| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

Warmer Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 51 dB(A) | 51 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

| EN 14825 | | | |
|---|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| η_{s} | 242 % | 166 % | |
| Prated | 13.44 kW | 12.41 kW | |
| SCOP | 6.12 | 4.23 | |
| Tbiv | 2 °C | 2 °C | |
| TOL | 2 °C | 2 °C | |
| Pdh Tj = +2°C | 13.44 kW | 12.41 kW | |
| $COPTj = +2^{\circ}C$ | 2.86 | 2.21 | |
| Pdh Tj = +7°C | 8.54 kW | 8.58 kW | |
| $COP Tj = +7^{\circ}C$ | 5.31 | 3.64 | |
| Pdh Tj = 12°C | 4.07 kW | 5.86 kW | |
| COP Tj = 12°C | 7.94 | 5.48 | |
| Pdh Tj = Tbiv | 13.44 kW | 12.41 kW | |
| COP Tj = Tbiv | 2.86 | 2.21 | |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.44 kW | 12.41 kW | |





| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.86 | 2.21 |
|---|-------------|-------------|
| WTOL | 60 °C | 60 °C |
| Poff | 22 W | 22 W |
| PTO | 23 W | 23 W |
| PSB | 22 W | 22 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2931 kWh | 3916 kWh |

Colder Climate

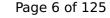
| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 51 dB(A) | 51 dB(A) | |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) | |

| EN 14825 | | | |
|----------------------|------------|--|--|
| emperature Medium to | emperature | | |
| 123 % | | | |
| kW 9.40 kW | | | |
| 3.16 | | | |
| | 3.16 | | |





| | <u> </u> | NK database on 22 juli 202. |
|---|-------------|-----------------------------|
| Tbiv | -17 °C | -17 °C |
| TOL | -18 °C | -17 °C |
| Pdh Tj = -7°C | 6.09 kW | 5.63 kW |
| COP Tj = -7°C | 3.68 | 2.71 |
| Pdh Tj = $+2$ °C | 3.66 kW | 4.40 kW |
| $COPTj = +2^{\circ}C$ | 5.48 | 3.89 |
| Pdh Tj = $+7^{\circ}$ C | 2.70 kW | 5.06 kW |
| COP Tj = +7°C | 6.48 | 4.75 |
| Pdh Tj = 12°C | 6.23 kW | 5.98 kW |
| COP Tj = 12°C | 7.42 | 5.99 |
| Pdh Tj = Tbiv | 8.29 kW | 8.23 kW |
| COP Tj = Tbiv | 2.52 | 1.80 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.64 kW | 8.23 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41 | 1.80 |
| WTOL | 60 °C | 60 °C |
| Poff | 22 W | 22 W |
| РТО | 23 W | 23 W |
| PSB | 22 W | 22 W |
| РСК | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 10.00 kW | 9.40 kW |
| | | |





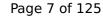
| This information was generated by the HP KEYMARK database on 22 Jun 2022 | | | | |
|--|----------|----------|--|--|
| ual energy consumption Qhe | 5697 kWh | 7343 kWh | | |
| Tj = -15°C (if TOL<-20°C) | 8.01 | 2.01 | | |

Annua Pdh T COP Tj = -15°C (if TOL<-20°C) 2.72 2.01

Average Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 51 dB(A) | 51 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

| EN 14825 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 194 % | 140 % |
| Prated | 12.13 kW | 10.00 kW |
| SCOP | 4.92 | 3.56 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.89 kW | 8.44 kW |
| COP Tj = -7°C | 2.98 | 2.25 |
| Pdh Tj = $+2$ °C | 6.78 kW | 5.45 kW |
| $COP Tj = +2^{\circ}C$ | 4.91 | 3.56 |





| Pdh Tj = +7°C | 4.05 kW | 4.98 kW |
|---|-------------|-------------|
| COP Tj = +7°C | 6.33 | 4.44 |
| Pdh Tj = 12°C | 3.00 kW | 5.93 kW |
| COP Tj = 12°C | 7.60 | 5.76 |
| Pdh Tj = Tbiv | 12.13 kW | 10.00 kW |
| COP Tj = Tbiv | 2.56 | 1.88 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.13 kW | 10.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.56 | 1.88 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 22 W | 22 W |
| РТО | 23 W | 23 W |
| PSB | 22 W | 22 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5090 kWh | 5794 kWh |

Domestic Hot Water (DHW)

Warmer Climate



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

Colder Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 77 % | |
| СОР | 1.78 | |
| Heating up time | 02:51 h:min | |
| Standby power input | 92.0 W | |
| Reference hot water temperature | 52.3 °C | |
| Mixed water at 40°C | 260 I | |

Average Climate



| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 89 % | |
| СОР | 2.08 | |
| Heating up time | 02:27 h:min | |
| Standby power input | 67.0 W | |
| Reference hot water temperature | 51.8 °C | |
| Mixed water at 40°C | 259 I | |

Model: Bosch CS7000iAW 17 IRM-T

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Bosch CS7000iAW 17 IRM-T | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |

Heating

| EN 14511-2 | | | |
|------------------------------------|---------|---------|--|
| Low temperature Medium temperature | | | |
| Heat output | 5.08 kW | 4.10 kW | |
| El input | 1.04 kW | 1.63 kW | |
| СОР | 4.90 | 2.51 | |

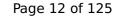
| EN 14511-4 | | |
|--|--------|--|
| Shutting off the heat transfer medium flow | passed | |
| Complete power supply failure | passed | |
| Defrost test | passed | |
| Starting and operating test | passed | |

Warmer Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 51 dB(A) | 51 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

| EN 14825 | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 242 % | 166 % |
| Prated | 13.44 kW | 12.41 kW |
| SCOP | 6.12 | 4.23 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = $+2$ °C | 13.44 kW | 12.41 kW |
| $COPTj = +2^{\circ}C$ | 2.86 | 2.21 |
| Pdh Tj = $+7$ °C | 8.54 kW | 8.58 kW |
| $COPTj = +7^{\circ}C$ | 5.31 | 3.64 |
| Pdh Tj = 12°C | 4.07 kW | 5.86 kW |
| COP Tj = 12°C | 7.94 | 5.48 |
| Pdh Tj = Tbiv | 13.44 kW | 12.41 kW |
| COP Tj = Tbiv | 2.86 | 2.21 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.44 kW | 12.41 kW |



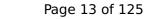


| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.86 | 2.21 |
|---|-------------|-------------|
| WTOL | 60 °C | 60 °C |
| Poff | 22 W | 22 W |
| РТО | 23 W | 23 W |
| PSB | 22 W | 22 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2931 kWh | 3916 kWh |

Colder Climate

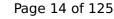
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 51 dB(A) | 51 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

| EN 14825 | | |
|----------------------|------------|--|
| emperature Medium to | emperature | |
| 123 % | | |
| kW 9.40 kW | | |
| 3.16 | | |
| | 3.16 | |





| ine memanen nas gener | | int database on 22 jan 2022 |
|---|-------------|-----------------------------|
| Tbiv | -17 °C | -17 °C |
| TOL | -18 °C | -17 °C |
| Pdh Tj = -7°C | 6.09 kW | 5.63 kW |
| $COPTj = -7^{\circ}C$ | 3.68 | 2.71 |
| Pdh Tj = $+2$ °C | 3.66 kW | 4.40 kW |
| COP Tj = +2°C | 5.48 | 3.89 |
| Pdh Tj = $+7^{\circ}$ C | 2.70 kW | 5.06 kW |
| COP Tj = +7°C | 6.48 | 4.75 |
| Pdh Tj = 12°C | 6.23 kW | 5.98 kW |
| COP Tj = 12°C | 7.42 | 5.99 |
| Pdh Tj = Tbiv | 8.29 kW | 8.23 kW |
| COP Tj = Tbiv | 2.52 | 1.80 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.64 kW | 8.23 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41 | 1.80 |
| WTOL | 60 °C | 60 °C |
| Poff | 22 W | 22 W |
| РТО | 23 W | 23 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 10.00 kW | 9.40 kW |
| | | |



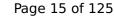


| Annual energy consumption Qhe | 5697 kWh | 7343 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 8.01 | 2.01 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.72 | 2.01 |

Average Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 51 dB(A) | 51 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

| EN 14825 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{S} | 194 % | 140 % |
| Prated | 12.13 kW | 10.00 kW |
| SCOP | 4.92 | 3.56 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.89 kW | 8.44 kW |
| COP Tj = -7°C | 2.98 | 2.25 |
| Pdh Tj = $+2$ °C | 6.78 kW | 5.45 kW |
| $COP Tj = +2^{\circ}C$ | 4.91 | 3.56 |
| | | |





| | • | |
|---|-------------|-------------|
| Pdh Tj = $+7^{\circ}$ C | 4.05 kW | 4.98 kW |
| COP Tj = +7°C | 6.33 | 4.44 |
| Pdh Tj = 12°C | 3.00 kW | 5.93 kW |
| COP Tj = 12°C | 7.60 | 5.76 |
| Pdh Tj = Tbiv | 12.13 kW | 10.00 kW |
| COP Tj = Tbiv | 2.56 | 1.88 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.13 kW | 10.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.56 | 1.88 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 22 W | 22 W |
| РТО | 23 W | 23 W |
| PSB | 22 W | 22 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 | 5090 kWh | 5794 kWh |
| | | |

Domestic Hot Water (DHW)

Warmer Climate

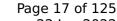


| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency ηDHW | 107 % |
| СОР | 2.49 |
| Heating up time | 01:57 h:min |
| Standby power input | 59.0 W |
| Reference hot water temperature | 52.8 °C |
| Mixed water at 40°C | 266 I |

Colder Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency ηDHW | 78 % |
| СОР | 1.82 |
| Heating up time | 02:48 h:min |
| Standby power input | 81.0 W |
| Reference hot water temperature | 53.5 °C |
| Mixed water at 40°C | 272 |

Average Climate





| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency ηDHW | 91 % |
| СОР | 2.12 |
| Heating up time | 02:24 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 269 I |



Model: Bosch CS7000iAW 17 IRB-T

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Bosch CS7000iAW 17 IRB-T | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

COP

| EN 14511-2 | | | |
|------------------------------------|---------|---------|--|
| Low temperature Medium temperature | | | |
| Heat output | 5.08 kW | 4.10 kW | |
| El input | 1.04 kW | 1.63 kW | |
| | | | |

2.51

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

Warmer Climate

4.90

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 51 dB(A) | 51 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

| EN 14825 | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 242 % | 166 % |
| Prated | 13.44 kW | 12.41 kW |
| SCOP | 6.12 | 4.23 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = $+2$ °C | 13.44 kW | 12.41 kW |
| $COP Tj = +2^{\circ}C$ | 2.86 | 2.21 |
| Pdh Tj = $+7^{\circ}$ C | 8.54 kW | 8.58 kW |
| $COP Tj = +7^{\circ}C$ | 5.31 | 3.64 |
| Pdh Tj = 12°C | 4.07 kW | 5.86 kW |
| COP Tj = 12°C | 7.94 | 5.48 |
| Pdh Tj = Tbiv | 13.44 kW | 12.41 kW |
| COP Tj = Tbiv | 2.86 | 2.21 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.44 kW | 12.41 kW |



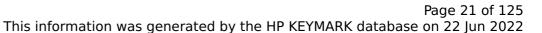


| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.86 | 2.21 |
|---|----------|----------|
| WTOL | 60 °C | 60 °C |
| Poff | 22 W | 22 W |
| РТО | 23 W | 23 W |
| PSB | 22 W | 22 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2931 kWh | 3916 kWh |

Colder Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 51 dB(A) | 51 dB(A) | |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) | |

| EN 14825 | | |
|-----------------|----------------------------------|--|
| Low temperature | Medium temperature | |
| 170 % | 123 % | |
| 10.00 kW | 9.40 kW | |
| 4.33 | 3.16 | |
| | Low temperature 170 % 10.00 kW | |





| Tbiv | -17 °C | -17 °C |
|---|---------|---------|
| TOL | -18 °C | -17 °C |
| Pdh Tj = -7°C | 6.09 kW | 5.63 kW |
| COP Tj = -7°C | 3.68 | 2.71 |
| Pdh Tj = $+2^{\circ}$ C | 3.66 kW | 4.40 kW |
| COP Tj = +2°C | 5.48 | 3.89 |
| Pdh Tj = $+7^{\circ}$ C | 2.70 kW | 5.06 kW |
| $COPTj = +7^{\circ}C$ | 6.48 | 4.75 |
| Pdh Tj = 12°C | 6.23 kW | 5.98 kW |
| COP Tj = 12°C | 7.42 | 5.99 |
| Pdh Tj = Tbiv | 8.29 kW | 8.23 kW |
| COP Tj = Tbiv | 2.52 | 1.80 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.64 kW | 8.23 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41 | 1.80 |
| WTOL | 60 °C | 60 °C |
| Poff | 22 W | 22 W |
| РТО | 23 W | 23 W |
| PSB | 22 W | 22 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |





| Annual energy consumption Qhe | 5697 kWh | 7343 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 8.01 | 2.01 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.72 | 2.01 |

Average Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 51 dB(A) | 51 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

| EN 14825 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{S} | 194 % | 140 % |
| Prated | 12.13 kW | 10.00 kW |
| SCOP | 4.92 | 3.56 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.89 kW | 8.44 kW |
| COP Tj = -7°C | 2.98 | 2.25 |
| Pdh Tj = $+2$ °C | 6.78 kW | 5.45 kW |
| $COP Tj = +2^{\circ}C$ | 4.91 | 3.56 |
| | | |



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| Pdh Tj = +7°C | 4.05 kW | 4.98 kW |
|---|----------|----------|
| $COP Tj = +7^{\circ}C$ | 6.33 | 4.44 |
| Pdh Tj = 12°C | 3.00 kW | 5.93 kW |
| COP Tj = 12°C | 7.60 | 5.76 |
| Pdh Tj = Tbiv | 12.13 kW | 10.00 kW |
| COP Tj = Tbiv | 2.56 | 1.88 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.13 kW | 10.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.56 | 1.88 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 22 W | 22 W |
| РТО | 23 W | 23 W |
| PSB | 22 W | 22 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5090 kWh | 5794 kWh |

Model: Bosch CS7000iAW 17 IRE-T

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Bosch CS7000iAW 17 IRE-T | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 5.08 kW | 4.10 kW |
| El input | 1.04 kW | 1.63 kW |
| СОР | 4.90 | 2.51 |

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

Warmer Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 51 dB(A) | 51 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

| EN 14825 | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 242 % | 166 % |
| Prated | 13.44 kW | 12.41 kW |
| SCOP | 6.12 | 4.23 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = $+2$ °C | 13.44 kW | 12.41 kW |
| $COPTj = +2^{\circ}C$ | 2.86 | 2.21 |
| Pdh Tj = $+7$ °C | 8.54 kW | 8.58 kW |
| $COPTj = +7^{\circ}C$ | 5.31 | 3.64 |
| Pdh Tj = 12°C | 4.07 kW | 5.86 kW |
| COP Tj = 12°C | 7.94 | 5.48 |
| Pdh Tj = Tbiv | 13.44 kW | 12.41 kW |
| COP Tj = Tbiv | 2.86 | 2.21 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.44 kW | 12.41 kW |



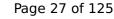


| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.86 | 2.21 |
|---|-------------|-------------|
| WTOL | 60 °C | 60 °C |
| Poff | 22 W | 22 W |
| РТО | 23 W | 23 W |
| PSB | 22 W | 22 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2931 kWh | 3916 kWh |

Colder Climate

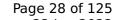
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 51 dB(A) | 51 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

| EN 14825 | | |
|-----------------|----------------------------------|--|
| Low temperature | Medium temperature | |
| 170 % | 123 % | |
| 10.00 kW | 9.40 kW | |
| 4.33 | 3.16 | |
| | Low temperature 170 % 10.00 kW | |





| | | riik database on 22 jan 202 |
|---|-------------|-----------------------------|
| Tbiv | -17 °C | -17 °C |
| TOL | -18 °C | -17 °C |
| Pdh Tj = -7°C | 6.09 kW | 5.63 kW |
| $COP Tj = -7^{\circ}C$ | 3.68 | 2.71 |
| Pdh Tj = $+2$ °C | 3.66 kW | 4.40 kW |
| COP Tj = +2°C | 5.48 | 3.89 |
| Pdh Tj = $+7^{\circ}$ C | 2.70 kW | 5.06 kW |
| $COPTj = +7^{\circ}C$ | 6.48 | 4.75 |
| Pdh Tj = 12°C | 6.23 kW | 5.98 kW |
| COP Tj = 12°C | 7.42 | 5.99 |
| Pdh Tj = Tbiv | 8.29 kW | 8.23 kW |
| COP Tj = Tbiv | 2.52 | 1.80 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.64 kW | 8.23 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41 | 1.80 |
| WTOL | 60 °C | 60 °C |
| Poff | 22 W | 22 W |
| РТО | 23 W | 23 W |
| PSB | 22 W | 22 W |
| РСК | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 10.00 kW | 9.40 kW |
| | | • |





| Annual energy consumption Qhe | 5697 kWh | 7343 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 8.01 | 2.01 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.72 | 2.01 |

Average Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 51 dB(A) | 51 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

| EN 14825 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{S} | 194 % | 140 % |
| Prated | 12.13 kW | 10.00 kW |
| SCOP | 4.92 | 3.56 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.89 kW | 8.44 kW |
| COP Tj = -7°C | 2.98 | 2.25 |
| Pdh Tj = $+2$ °C | 6.78 kW | 5.45 kW |
| $COP Tj = +2^{\circ}C$ | 4.91 | 3.56 |
| | | |



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| Pdh Tj = +7°C | 4.05 kW | 4.98 kW |
|---|-------------|-------------|
| $COP Tj = +7^{\circ}C$ | 6.33 | 4.44 |
| Pdh Tj = 12°C | 3.00 kW | 5.93 kW |
| COP Tj = 12°C | 7.60 | 5.76 |
| Pdh Tj = Tbiv | 12.13 kW | 10.00 kW |
| COP Tj = Tbiv | 2.56 | 1.88 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.13 kW | 10.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.56 | 1.88 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 22 W | 22 W |
| РТО | 23 W | 23 W |
| PSB | 22 W | 22 W |
| РСК | 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 | 5090 kWh | 5794 kWh |

Model: Bosch CS7000iAW 17 ORMS-T

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Bosch CS7000iAW 17 ORMS-T | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

COP

| EN 14511-2 | | |
|------------------------------------|---------|---------|
| Low temperature Medium temperature | | |
| Heat output | 5.63 kW | 4.48 kW |
| El input | 1.16 kW | 1.63 kW |
| | | |

2.75

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

Warmer Climate

4.87



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

| EN 14825 | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 242 % | 170 % |
| Prated | 14.30 kW | 12.50 kW |
| SCOP | 6.13 | 4.34 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = $+2$ °C | 14.59 kW | 12.49 kW |
| $COPTj = +2^{\circ}C$ | 2.85 | 2.18 |
| Pdh Tj = $+7$ °C | 8.92 kW | 8.08 kW |
| $COPTj = +7^{\circ}C$ | 5.37 | 3.81 |
| Pdh Tj = 12°C | 4.16 kW | 5.99 kW |
| COP Tj = 12°C | 8.00 | 5.61 |
| Pdh Tj = Tbiv | 14.59 kW | 12.49 kW |
| COP Tj = Tbiv | 2.85 | 2.18 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 14.59 kW | 12.49 kW |





| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.85 | 2.18 |
|---|-------------|-------------|
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3115 kWh | 3852 kWh |

Colder Climate

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

| EN 14825 | | |
|------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 161 % | 123 % |
| Prated | 10.00 kW | 9.10 kW |
| SCOP | 4.11 | 3.15 |
| | | |





| This information was generated by the HP KEYMARK database on 22 jun 202. | | | |
|--|-------------|-------------|--|
| Tbiv | -19 °C | -17 °C | |
| TOL | -20 °C | -18 °C | |
| Pdh Tj = -7°C | 6.20 kW | 5.60 kW | |
| COP Tj = -7°C | 3.71 | 2.68 | |
| Pdh Tj = +2°C | 4.91 kW | 4.40 kW | |
| COP Tj = +2°C | 4.64 | 3.86 | |
| Pdh Tj = +7°C | 5.34 kW | 5.07 kW | |
| COP Tj = +7°C | 6.14 | 4.76 | |
| Pdh Tj = 12°C | 6.28 kW | 6.00 kW | |
| COP Tj = 12°C | 7.41 | 6.23 | |
| Pdh Tj = Tbiv | 9.25 kW | 7.90 kW | |
| COP Tj = Tbiv | 2.21 | 1.75 | |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 7.47 kW | |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 | |
| WTOL | 60 °C | 60 °C | |
| Poff | 24 W | 24 W | |
| РТО | 41 W | 41 W | |
| PSB | 24 W | 24 W | |
| PCK | 11 W | 11 W | |
| Supplementary Heater: Type of energy input | Electricity | Electricity | |
| Supplementary Heater: PSUP | 10.00 kW | 9.10 kW | |
| | | I | |





| Annual energy consumption Qhe | 6000 kWh | 7117 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 7.92 | 1.96 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.66 | 1.96 |

Average Climate

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

| EN 14825 | | |
|------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{S} | 191 % | 141 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.84 | 3.61 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7 °C | 11.36 kW | 9.51 kW |
| COP Tj = -7°C | 2.87 | 2.25 |
| Pdh Tj = $+2$ °C | 6.84 kW | 5.60 kW |
| COP Tj = +2°C | 4.84 | 3.64 |
| | | |





| | | - |
|---|-------------|-------------|
| Pdh Tj = $+7^{\circ}$ C | 4.21 kW | 5.07 kW |
| COP Tj = +7°C | 6.41 | 4.49 |
| Pdh Tj = 12°C | 3.03 kW | 6.01 kW |
| COP Tj = 12°C | 7.31 | 5.79 |
| Pdh Tj = Tbiv | 12.26 kW | 10.11 kW |
| COP Tj = Tbiv | 2.43 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.26 kW | 10.11 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.43 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5117 kWh | 5721 kWh |
| /aar anargy aanaampaan am | | |

Domestic Hot Water (DHW)

Warmer Climate

252 I



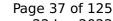
This information was generated by the HP KEYMARK database on 22 Jun 2022 EN 16147 Declared load profile 99 % Efficiency ηDHW COP 2.30 01:59 h:min Heating up time Standby power input 61.0 W 51.4 °C Reference hot water temperature

Colder Climate

Mixed water at 40°C

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 77 % | |
| СОР | 1.78 | |
| Heating up time | 02:51 h:min | |
| Standby power input | 92.0 W | |
| Reference hot water temperature | 52.3 °C | |
| Mixed water at 40°C | 260 I | |

Average Climate





| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 89 % | |
| СОР | 2.08 | |
| Heating up time | 02:27 h:min | |
| Standby power input | 67.0 W | |
| Reference hot water temperature | 51.8 °C | |
| Mixed water at 40°C | 259 I | |

Model: Bosch CS7000iAW 17 ORM-T

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Bosch CS7000iAW 17 ORM-T | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

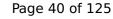
| EN 14511-2 | | | |
|------------------------------------|---------|---------|--|
| Low temperature Medium temperature | | | |
| Heat output | 5.63 kW | 4.48 kW | |
| El input | 1.16 kW | 1.63 kW | |
| СОР | 4.87 | 2.75 | |

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



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

| EN 14825 | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 242 % | 170 % |
| Prated | 14.30 kW | 12.50 kW |
| SCOP | 6.13 | 4.34 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = $+2$ °C | 14.59 kW | 12.49 kW |
| $COPTj = +2^{\circ}C$ | 2.85 | 2.18 |
| Pdh Tj = $+7$ °C | 8.92 kW | 8.08 kW |
| $COPTj = +7^{\circ}C$ | 5.37 | 3.81 |
| Pdh Tj = 12°C | 4.16 kW | 5.99 kW |
| COP Tj = 12°C | 8.00 | 5.61 |
| Pdh Tj = Tbiv | 14.59 kW | 12.49 kW |
| COP Tj = Tbiv | 2.85 | 2.18 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 14.59 kW | 12.49 kW |





| 2.18 |
|-------------|
| 60.06 |
| 60 °C |
| 24 W |
| 41 W |
| 24 W |
| 11 W |
| Electricity |
| 0.00 kW |
| 3852 kWh |
| |

Colder Climate

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

| EN 14825 | | |
|------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 161 % | 123 % |
| Prated | 10.00 kW | 9.10 kW |
| SCOP | 4.11 | 3.15 |
| | | |





| This information was generated by the HP KEYMARK database on 22 Jur | | | |
|---|--|--|--|
| -19 °C | -17 °C | | |
| -20 °C | -18 °C | | |
| 6.20 kW | 5.60 kW | | |
| 3.71 | 2.68 | | |
| 4.91 kW | 4.40 kW | | |
| 4.64 | 3.86 | | |
| 5.34 kW | 5.07 kW | | |
| 6.14 | 4.76 | | |
| 6.28 kW | 6.00 kW | | |
| 7.41 | 6.23 | | |
| 9.25 kW | 7.90 kW | | |
| 2.21 | 1.75 | | |
| 9.00 kW | 7.47 kW | | |
| 2.16 | 1.65 | | |
| 60 °C | 60 °C | | |
| 24 W | 24 W | | |
| 41 W | 41 W | | |
| 24 W | 24 W | | |
| 11 W | 11 W | | |
| Electricity | Electricity | | |
| 10.00 kW | 9.10 kW | | |
| | -19 °C -20 °C 6.20 kW 3.71 4.91 kW 4.64 5.34 kW 6.14 6.28 kW 7.41 9.25 kW 2.21 9.00 kW 2.16 60 °C 24 W 41 W 24 W 11 W Electricity | | |





| Annual energy consumption Qhe | 6000 kWh | 7117 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 7.92 | 1.96 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.66 | 1.96 |

Average Climate

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

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 191 % | 141 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.84 | 3.61 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.36 kW | 9.51 kW |
| COP Tj = -7°C | 2.87 | 2.25 |
| Pdh Tj = +2°C | 6.84 kW | 5.60 kW |
| COP Tj = +2°C | 4.84 | 3.64 |
| | | |





| Pdh Tj = +7°C | 4.21 kW | 5.07 kW |
|---|-------------|-------------|
| $COP Tj = +7^{\circ}C$ | 6.41 | 4.49 |
| Pdh Tj = 12°C | 3.03 kW | 6.01 kW |
| COP Tj = 12°C | 7.31 | 5.79 |
| Pdh Tj = Tbiv | 12.26 kW | 10.11 kW |
| COP Tj = Tbiv | 2.43 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.26 kW | 10.11 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.43 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5117 kWh | 5721 kWh |

Domestic Hot Water (DHW)

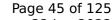


| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 107 % | |
| СОР | 2.49 | |
| Heating up time | 01:57 h:min | |
| Standby power input | 58.5 W | |
| Reference hot water temperature | 52.8 °C | |
| Mixed water at 40°C | 266 I | |

Colder Climate

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

Average Climate





| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 91 % | |
| СОР | 2.12 | |
| Heating up time | 02:24 h:min | |
| Standby power input | 64.3 W | |
| Reference hot water temperature | 52.9 °C | |
| Mixed water at 40°C | 269 I | |

Model: Bosch CS7000iAW 17 ORB-T

| Configure model | | |
|--|--------------------------|--|
| Model name | Bosch CS7000iAW 17 ORB-T | |
| Application | Heating (medium temp) | |
| Units Indoor + Outdoor | | |
| Climate Zone Colder Climate + Warmer Climate | | |
| Reversibility | Yes | |
| Cooling mode application (optional) n/a | | |

| General Data | | |
|--------------------------|--|--|
| Power supply 3x400V 50Hz | | |

Heating

COP

| EN 14511-2 | | |
|------------------------------------|---------|---------|
| Low temperature Medium temperature | | |
| Heat output | 5.63 kW | 4.48 kW |
| El input | 1.16 kW | 1.63 kW |
| | | |

2.75

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

Warmer Climate

4.87



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

| EN 14825 | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 242 % | 170 % |
| Prated | 14.30 kW | 12.50 kW |
| SCOP | 6.13 | 4.34 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = $+2$ °C | 14.59 kW | 12.49 kW |
| $COPTj = +2^{\circ}C$ | 2.85 | 2.18 |
| Pdh Tj = $+7$ °C | 8.92 kW | 8.08 kW |
| $COPTj = +7^{\circ}C$ | 5.37 | 3.81 |
| Pdh Tj = 12°C | 4.16 kW | 5.99 kW |
| COP Tj = 12°C | 8.00 | 5.61 |
| Pdh Tj = Tbiv | 14.59 kW | 12.49 kW |
| COP Tj = Tbiv | 2.85 | 2.18 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 14.59 kW | 12.49 kW |





| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.85 | 2.18 |
|---|----------|----------|
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3115 kWh | 3852 kWh |

Colder Climate

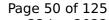
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 41 dB(A) | 41 dB(A) |
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

| EN 14825 | | |
|------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 161 % | 123 % |
| Prated | 10.00 kW | 9.10 kW |
| SCOP | 4.11 | 3.15 |
| | | |





| -17 °C -18 °C 5.60 kW 2.68 4.40 kW 3.86 5.07 kW 4.76 6.00 kW |
|--|
| 5.60 kW 2.68 4.40 kW 3.86 5.07 kW 4.76 6.00 kW |
| 2.68 4.40 kW 3.86 5.07 kW 4.76 6.00 kW |
| 4.40 kW 3.86 5.07 kW 4.76 6.00 kW |
| 3.86 5.07 kW 4.76 6.00 kW |
| 5.07 kW 4.76 6.00 kW |
| 4.76 6.00 kW |
| 6.00 kW |
| |
| 6.23 |
| 1 |
| 7.90 kW |
| 1.75 |
| 7.47 kW |
| 1.65 |
| 60 °C |
| 24 W |
| 41 W |
| 24 W |
| 11 W |
| |
| n/a |
| |





| Annual energy consumption Qhe | 6000 kWh | 7117 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 7.92 | 1.96 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.66 | 1.96 |

Average Climate

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

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 191 % | 141 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.84 | 3.61 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.36 kW | 9.51 kW |
| COP Tj = -7°C | 2.87 | 2.25 |
| Pdh Tj = +2°C | 6.84 kW | 5.60 kW |
| COP Tj = +2°C | 4.84 | 3.64 |
| | | |



| This information was gener | acea by the fit RETHIN | Tik database on 22 juli 202. |
|---|------------------------|------------------------------|
| Pdh Tj = +7°C | 4.21 kW | 5.07 kW |
| $COP Tj = +7^{\circ}C$ | 6.41 | 4.49 |
| Pdh Tj = 12°C | 3.03 kW | 6.01 kW |
| COP Tj = 12°C | 7.31 | 5.79 |
| Pdh Tj = Tbiv | 12.26 kW | 10.11 kW |
| COP Tj = Tbiv | 2.43 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.26 kW | 10.11 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.43 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5117 kWh | 5721 kWh |



Model: Bosch CS7000iAW 17 ORE-T

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Bosch CS7000iAW 17 ORE-T | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 5.63 kW | 4.48 kW |
| El input | 1.16 kW | 1.63 kW |
| COP | 4 87 | 2 75 |

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



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

| EN 14825 | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 242 % | 170 % |
| Prated | 14.30 kW | 12.50 kW |
| SCOP | 6.13 | 4.34 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = $+2$ °C | 14.59 kW | 12.49 kW |
| $COPTj = +2^{\circ}C$ | 2.85 | 2.18 |
| Pdh Tj = $+7$ °C | 8.92 kW | 8.08 kW |
| $COPTj = +7^{\circ}C$ | 5.37 | 3.81 |
| Pdh Tj = 12°C | 4.16 kW | 5.99 kW |
| COP Tj = 12°C | 8.00 | 5.61 |
| Pdh Tj = Tbiv | 14.59 kW | 12.49 kW |
| COP Tj = Tbiv | 2.85 | 2.18 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 14.59 kW | 12.49 kW |





| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.85 | 2.18 |
|---|-------------|-------------|
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3115 kWh | 3852 kWh |

Colder Climate

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

| EN 14825 | | |
|-----------------|----------------------------------|--|
| Low temperature | Medium temperature | |
| 161 % | 123 % | |
| 10.00 kW | 9.10 kW | |
| 4.11 | 3.15 | |
| | Low temperature 161 % 10.00 kW | |





| This information was gener | ated by the HP KETMA | RK database on 22 Jun 202 |
|---|----------------------|---------------------------|
| Tbiv | -19 °C | -17 °C |
| TOL | -20 °C | -18 °C |
| Pdh Tj = -7°C | 6.20 kW | 5.60 kW |
| $COP Tj = -7^{\circ}C$ | 3.71 | 2.68 |
| Pdh Tj = +2°C | 4.91 kW | 4.40 kW |
| COP Tj = +2°C | 4.64 | 3.86 |
| Pdh Tj = $+7^{\circ}$ C | 5.34 kW | 5.07 kW |
| $COPTj = +7^{\circ}C$ | 6.14 | 4.76 |
| Pdh Tj = 12°C | 6.28 kW | 6.00 kW |
| COP Tj = 12°C | 7.41 | 6.23 |
| Pdh Tj = Tbiv | 9.25 kW | 7.90 kW |
| COP Tj = Tbiv | 2.21 | 1.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 7.47 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 10.00 kW | 9.10 kW |
| | | 1 |





| Annual energy consumption Qhe | 6000 kWh | 7117 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 7.92 | 1.96 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.66 | 1.96 |

Average Climate

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

| EN 14825 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 191 % | 141 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.84 | 3.61 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.36 kW | 9.51 kW |
| COP Tj = -7°C | 2.87 | 2.25 |
| Pdh Tj = $+2$ °C | 6.84 kW | 5.60 kW |
| $COP Tj = +2^{\circ}C$ | 4.84 | 3.64 |
| | | |



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| Pdh Tj = $+7^{\circ}$ C | 4.21 kW | 5.07 kW |
|---|-------------|-------------|
| COP Tj = +7°C | 6.41 | 4.49 |
| Pdh Tj = 12°C | 3.03 kW | 6.01 kW |
| COP Tj = 12°C | 7.31 | 5.79 |
| Pdh Tj = Tbiv | 12.26 kW | 10.11 kW |
| COP Tj = Tbiv | 2.43 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.26 kW | 10.11 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.43 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5117 kWh | 5721 kWh |

Model: Bosch Compress 6000 AW-17 AWB

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Bosch Compress 6000 AW-17 AWB | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

| EN 14511-2 | | | |
|-------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 5.63 kW | 4.48 kW | |
| El input | 1.16 kW | 1.63 kW | |
| СОР | 4.87 | 2.75 | |

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



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

| EN 14825 | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 242 % | 170 % |
| Prated | 14.30 kW | 12.50 kW |
| SCOP | 6.13 | 4.34 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = $+2$ °C | 14.59 kW | 12.49 kW |
| $COPTj = +2^{\circ}C$ | 2.85 | 2.18 |
| Pdh Tj = $+7$ °C | 8.92 kW | 8.08 kW |
| $COPTj = +7^{\circ}C$ | 5.37 | 3.81 |
| Pdh Tj = 12°C | 4.16 kW | 5.99 kW |
| COP Tj = 12°C | 8.00 | 5.61 |
| Pdh Tj = Tbiv | 14.59 kW | 12.49 kW |
| COP Tj = Tbiv | 2.85 | 2.18 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 14.59 kW | 12.49 kW |





| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.85 | 2.18 |
|---|----------|----------|
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| PTO | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3115 kWh | 3852 kWh |

Colder Climate

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

| EN 14825 | | |
|-----------------|----------------------------------|--|
| Low temperature | Medium temperature | |
| 161 % | 123 % | |
| 10.00 kW | 9.10 kW | |
| 4.11 | 3.15 | |
| | Low temperature 161 % 10.00 kW | |





| This information was genera | acca by the Hi Kellink | Till database on 22 juli 2022 |
|---|------------------------|-------------------------------|
| Tbiv | -19 °C | -17 °C |
| TOL | -20 °C | -18 °C |
| Pdh Tj = -7°C | 6.20 kW | 5.60 kW |
| $COP Tj = -7^{\circ}C$ | 3.71 | 2.68 |
| Pdh Tj = $+2$ °C | 4.91 kW | 4.40 kW |
| COP Tj = +2°C | 4.64 | 3.86 |
| Pdh Tj = +7°C | 5.34 kW | 5.07 kW |
| COP Tj = +7°C | 6.14 | 4.76 |
| Pdh Tj = 12°C | 6.28 kW | 6.00 kW |
| COP Tj = 12°C | 7.41 | 6.23 |
| Pdh Tj = Tbiv | 9.25 kW | 7.90 kW |
| COP Tj = Tbiv | 2.21 | 1.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 7.47 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| РСК | 11 W | 11 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| | | |





| Annual energy consumption Qhe | 6000 kWh | 7117 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 7.92 | 1.96 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.66 | 1.96 |

Average Climate

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

| EN 14825 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 191 % | 141 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.84 | 3.61 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.36 kW | 9.51 kW |
| COP Tj = -7°C | 2.87 | 2.25 |
| Pdh Tj = $+2$ °C | 6.84 kW | 5.60 kW |
| $COP Tj = +2^{\circ}C$ | 4.84 | 3.64 |
| | | |



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| Pdh Tj = +7°C | 4.21 kW | 5.07 kW |
|---|----------|----------|
| $COP Tj = +7^{\circ}C$ | 6.41 | 4.49 |
| Pdh Tj = 12°C | 3.03 kW | 6.01 kW |
| COP Tj = 12°C | 7.31 | 5.79 |
| Pdh Tj = Tbiv | 12.26 kW | 10.11 kW |
| COP Tj = Tbiv | 2.43 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.26 kW | 10.11 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.43 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5117 kWh | 5721 kWh |

Model: Bosch Compress 6000 AW-17 AWM

| Configure model | | |
|--|---------------------------------|--|
| Model name Bosch Compress 6000 AW-17 AWM | | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

| EN 14511-2 | | | |
|------------------------------------|---------|---------|--|
| Low temperature Medium temperature | | | |
| Heat output | 5.63 kW | 4.48 kW | |
| El input | 1.16 kW | 1.63 kW | |
| СОР | 4.87 | 2.75 | |

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



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

| EN 14825 | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 242 % | 170 % |
| Prated | 14.30 kW | 12.50 kW |
| SCOP | 6.13 | 4.34 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 14.59 kW | 12.49 kW |
| COP Tj = +2°C | 2.85 | 2.18 |
| Pdh Tj = +7°C | 8.92 kW | 8.08 kW |
| $COP Tj = +7^{\circ}C$ | 5.37 | 3.81 |
| Pdh Tj = 12°C | 4.16 kW | 5.99 kW |
| COP Tj = 12°C | 8.00 | 5.61 |
| Pdh Tj = Tbiv | 14.59 kW | 12.49 kW |
| COP Tj = Tbiv | 2.85 | 2.18 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh | 14.59 kW | 12.49 kW |



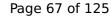


| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.85 | 2.18 |
|---|-------------|-------------|
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| PTO | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3115 kWh | 3852 kWh |

Colder Climate

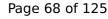
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 26 dB(A) | 26 dB(A) |
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

| EN 14825 | | |
|-----------------|----------------------------------|--|
| Low temperature | Medium temperature | |
| 161 % | 123 % | |
| 10.00 kW | 9.10 kW | |
| 4.11 | 3.15 | |
| | Low temperature 161 % 10.00 kW | |





| This information was general | ated by the HI KETMA | NK database on 22 Juli 2022 |
|---|----------------------|-----------------------------|
| Tbiv | -19 °C | -17 °C |
| TOL | -20 °C | -18 °C |
| Pdh Tj = -7°C | 6.20 kW | 5.60 kW |
| $COP Tj = -7^{\circ}C$ | 3.71 | 2.68 |
| Pdh Tj = $+2$ °C | 4.91 kW | 4.40 kW |
| COP Tj = +2°C | 4.64 | 3.86 |
| Pdh Tj = $+7^{\circ}$ C | 5.34 kW | 5.07 kW |
| $COP Tj = +7^{\circ}C$ | 6.14 | 4.76 |
| Pdh Tj = 12°C | 6.28 kW | 6.00 kW |
| COP Tj = 12°C | 7.41 | 6.23 |
| Pdh Tj = Tbiv | 9.25 kW | 7.90 kW |
| COP Tj = Tbiv | 2.21 | 1.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 7.47 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| РСК | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 10.00 kW | 9.10 kW |
| | | |





| Annual energy consumption Qhe | 6000 kWh | 7117 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 7.92 | 1.96 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.66 | 1.96 |

Average Climate

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

| EN 14825 | | |
|------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 191 % | 141 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.84 | 3.61 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.36 kW | 9.51 kW |
| COP Tj = -7°C | 2.87 | 2.25 |
| Pdh Tj = $+2$ °C | 6.84 kW | 5.60 kW |
| COP Tj = +2°C | 4.84 | 3.64 |
| | | |





| | • | |
|---|-------------|-------------|
| Pdh Tj = $+7^{\circ}$ C | 4.21 kW | 5.07 kW |
| $COP Tj = +7^{\circ}C$ | 6.41 | 4.49 |
| Pdh Tj = 12°C | 3.03 kW | 6.01 kW |
| COP Tj = 12°C | 7.31 | 5.79 |
| Pdh Tj = Tbiv | 12.26 kW | 10.11 kW |
| COP Tj = Tbiv | 2.43 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.26 kW | 10.11 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.43 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5117 kWh | 5721 kWh |
| | | |

Domestic Hot Water (DHW)

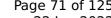


| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 107 % | |
| СОР | 2.49 | |
| Heating up time | 01:57 h:min | |
| Standby power input | 58.5 W | |
| Reference hot water temperature | 52.8 °C | |
| Mixed water at 40°C | 266 I | |

Colder Climate

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

Average Climate





$$\operatorname{\textit{Page}}\ 71$$ of 125 This information was generated by the HP KEYMARK database on 22 Jun 2022

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 91 % | |
| СОР | 2.12 | |
| Heating up time | 02:24 h:min | |
| Standby power input | 64.3 W | |
| Reference hot water temperature | 52.9 °C | |
| Mixed water at 40°C | 269 I | |



Model: Bosch Compress 6000 AW-17 AWMS

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Bosch Compress 6000 AW-17 AWMS | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 5.63 kW | 4.48 kW |
| El input | 1.16 kW | 1.63 kW |
| СОР | 4.87 | 2.75 |

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



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

| EN 14825 | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 242 % | 170 % |
| Prated | 14.30 kW | 12.50 kW |
| SCOP | 6.13 | 4.34 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 14.59 kW | 12.49 kW |
| COP Tj = +2°C | 2.85 | 2.18 |
| Pdh Tj = $+7^{\circ}$ C | 8.92 kW | 8.08 kW |
| $COPTj = +7^{\circ}C$ | 5.37 | 3.81 |
| Pdh Tj = 12°C | 4.16 kW | 5.99 kW |
| COP Tj = 12°C | 8.00 | 5.61 |
| Pdh Tj = Tbiv | 14.59 kW | 12.49 kW |
| COP Tj = Tbiv | 2.85 | 2.18 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh | 14.59 kW | 12.49 kW |



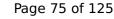


| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.85 | 2.18 |
|---|-------------|-------------|
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3115 kWh | 3852 kWh |

Colder Climate

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

| EN 14825 | | |
|-----------------|----------------------------------|--|
| Low temperature | Medium temperature | |
| 161 % | 123 % | |
| 10.00 kW | 9.10 kW | |
| 4.11 | 3.15 | |
| | Low temperature 161 % 10.00 kW | |





| 3 | , | int database on 22 jan 202 |
|---|-------------|----------------------------|
| Tbiv | -19 °C | -17 °C |
| TOL | -20 °C | -18 °C |
| Pdh Tj = -7°C | 6.20 kW | 5.60 kW |
| $COPTj = -7^{\circ}C$ | 3.71 | 2.68 |
| Pdh Tj = $+2$ °C | 4.91 kW | 4.40 kW |
| COP Tj = +2°C | 4.64 | 3.86 |
| Pdh Tj = $+7^{\circ}$ C | 5.34 kW | 5.07 kW |
| $COP Tj = +7^{\circ}C$ | 6.14 | 4.76 |
| Pdh Tj = 12°C | 6.28 kW | 6.00 kW |
| COP Tj = 12°C | 7.41 | 6.23 |
| Pdh Tj = Tbiv | 9.25 kW | 7.90 kW |
| COP Tj = Tbiv | 2.21 | 1.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 7.47 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 10.00 kW | 9.10 kW |
| | · | |





| Annual energy consumption Qhe | 6000 kWh | 7117 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 7.92 | 1.96 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.66 | 1.96 |

Average Climate

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

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{S} | 191 % | 141 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.84 | 3.61 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.36 kW | 9.51 kW |
| COP Tj = -7°C | 2.87 | 2.25 |
| Pdh Tj = +2°C | 6.84 kW | 5.60 kW |
| COP Tj = +2°C | 4.84 | 3.64 |
| | | |





| | | · · · · · · · · · · · · · · · · · · · |
|---|-------------|---------------------------------------|
| Pdh Tj = $+7^{\circ}$ C | 4.21 kW | 5.07 kW |
| COP Tj = +7°C | 6.41 | 4.49 |
| Pdh Tj = 12°C | 3.03 kW | 6.01 kW |
| COP Tj = 12°C | 7.31 | 5.79 |
| Pdh Tj = Tbiv | 12.26 kW | 10.11 kW |
| COP Tj = Tbiv | 2.43 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.26 kW | 10.11 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.43 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| PTO | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5117 kWh | 5721 kWh |
| | | |

Domestic Hot Water (DHW)

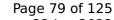


| EN 16147 | | |
|---------------------------------|-------------|--|
| | | |
| Declared load profile | L | |
| Efficiency ηDHW | 99 % | |
| СОР | 2.30 | |
| Heating up time | 01:59 h:min | |
| Standby power input | 61.0 W | |
| Reference hot water temperature | 51.4 °C | |
| Mixed water at 40°C | 252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

Colder Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 77 % | |
| СОР | 1.78 | |
| Heating up time | 02:51 h:min | |
| Standby power input | 92.0 W | |
| Reference hot water temperature | 52.3 °C | |
| Mixed water at 40°C | 260 I | |

Average Climate





| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 89 % | |
| СОР | 2.08 | |
| Heating up time | 02:27 h:min | |
| Standby power input | 67.0 W | |
| Reference hot water temperature | 51.8 °C | |
| Mixed water at 40°C | 259 l | |

Model: Bosch Compress 6000 AW-17 AWE

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Bosch Compress 6000 AW-17 AWE | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

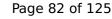
| EN 14511-2 | | | |
|-------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 5.63 kW | 4.48 kW | |
| El input | 1.16 kW | 1.63 kW | |
| СОР | 4.87 | 2.75 | |

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



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

| EN 14825 | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 242 % | 170 % |
| Prated | 14.30 kW | 12.50 kW |
| SCOP | 6.13 | 4.34 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 14.59 kW | 12.49 kW |
| COP Tj = +2°C | 2.85 | 2.18 |
| Pdh Tj = $+7^{\circ}$ C | 8.92 kW | 8.08 kW |
| $COPTj = +7^{\circ}C$ | 5.37 | 3.81 |
| Pdh Tj = 12°C | 4.16 kW | 5.99 kW |
| COP Tj = 12°C | 8.00 | 5.61 |
| Pdh Tj = Tbiv | 14.59 kW | 12.49 kW |
| COP Tj = Tbiv | 2.85 | 2.18 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 14.59 kW | 12.49 kW |



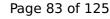


| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.85 | 2.18 |
|---|-------------|-------------|
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3115 kWh | 3852 kWh |

Colder Climate

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

| EN 14825 | | |
|-----------------|----------------------------------|--|
| Low temperature | Medium temperature | |
| 161 % | 123 % | |
| 10.00 kW | 9.10 kW | |
| 4.11 | 3.15 | |
| | Low temperature 161 % 10.00 kW | |





| 3 | , | int database on 22 jan 202 |
|---|-------------|----------------------------|
| Tbiv | -19 °C | -17 °C |
| TOL | -20 °C | -18 °C |
| Pdh Tj = -7°C | 6.20 kW | 5.60 kW |
| $COPTj = -7^{\circ}C$ | 3.71 | 2.68 |
| Pdh Tj = $+2$ °C | 4.91 kW | 4.40 kW |
| COP Tj = +2°C | 4.64 | 3.86 |
| Pdh Tj = $+7^{\circ}$ C | 5.34 kW | 5.07 kW |
| $COP Tj = +7^{\circ}C$ | 6.14 | 4.76 |
| Pdh Tj = 12°C | 6.28 kW | 6.00 kW |
| COP Tj = 12°C | 7.41 | 6.23 |
| Pdh Tj = Tbiv | 9.25 kW | 7.90 kW |
| COP Tj = Tbiv | 2.21 | 1.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 7.47 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 10.00 kW | 9.10 kW |
| | · | |





| Annual energy consumption Qhe | 6000 kWh | 7117 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 7.92 | 1.96 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.66 | 1.96 |

Average Climate

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

| EN 14825 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 191 % | 141 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.84 | 3.61 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.36 kW | 9.51 kW |
| COP Tj = -7°C | 2.87 | 2.25 |
| Pdh Tj = $+2$ °C | 6.84 kW | 5.60 kW |
| $COP Tj = +2^{\circ}C$ | 4.84 | 3.64 |
| | | |



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| Pdh Tj = +7°C | 4.21 kW | 5.07 kW |
|---|-------------|-------------|
| COP Tj = +7°C | 6.41 | 4.49 |
| Pdh Tj = 12°C | 3.03 kW | 6.01 kW |
| COP Tj = 12°C | 7.31 | 5.79 |
| Pdh Tj = Tbiv | 12.26 kW | 10.11 kW |
| COP Tj = Tbiv | 2.43 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.26 kW | 10.11 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.43 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5117 kWh | 5721 kWh |

Model: Bosch CS7001iAW 17 ORMS-T

| Configure model | | |
|--------------------------------------|---------------------------------|--|
| Model name Bosch CS7001iAW 17 ORMS-T | | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 5.63 kW | 4.48 kW |
| El input | 1.16 kW | 1.63 kW |
| СОР | 4.87 | 2.75 |

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



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

| EN 14825 | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 242 % | 170 % |
| Prated | 14.30 kW | 12.50 kW |
| SCOP | 6.13 | 4.34 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 14.59 kW | 12.49 kW |
| COP Tj = +2°C | 2.85 | 2.18 |
| Pdh Tj = $+7^{\circ}$ C | 8.92 kW | 8.08 kW |
| $COP Tj = +7^{\circ}C$ | 5.37 | 3.81 |
| Pdh Tj = 12°C | 4.16 kW | 5.99 kW |
| COP Tj = 12°C | 8.00 | 5.61 |
| Pdh Tj = Tbiv | 14.59 kW | 12.49 kW |
| COP Tj = Tbiv | 2.85 | 2.18 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 14.59 kW | 12.49 kW |



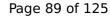


| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.85 | 2.18 |
|---|-------------|-------------|
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3115 kWh | 3852 kWh |

Colder Climate

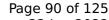
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 26 dB(A) | 26 dB(A) |
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

| EN 14825 | | |
|-----------------|----------------------------------|--|
| Low temperature | Medium temperature | |
| 161 % | 123 % | |
| 10.00 kW | 9.10 kW | |
| 4.11 | 3.15 | |
| | Low temperature 161 % 10.00 kW | |





| This information was gener | ated by the HP KETMA | RK database on 22 Jun 202 |
|---|----------------------|---------------------------|
| Tbiv | -19 °C | -17 °C |
| TOL | -20 °C | -18 °C |
| Pdh Tj = -7°C | 6.20 kW | 5.60 kW |
| $COP Tj = -7^{\circ}C$ | 3.71 | 2.68 |
| Pdh Tj = +2°C | 4.91 kW | 4.40 kW |
| COP Tj = +2°C | 4.64 | 3.86 |
| Pdh Tj = $+7^{\circ}$ C | 5.34 kW | 5.07 kW |
| $COPTj = +7^{\circ}C$ | 6.14 | 4.76 |
| Pdh Tj = 12°C | 6.28 kW | 6.00 kW |
| COP Tj = 12°C | 7.41 | 6.23 |
| Pdh Tj = Tbiv | 9.25 kW | 7.90 kW |
| COP Tj = Tbiv | 2.21 | 1.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 7.47 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 10.00 kW | 9.10 kW |
| | | 1 |



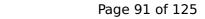


| Annual energy consumption Qhe | 6000 kWh | 7117 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 7.92 | 1.96 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.66 | 1.96 |

Average Climate

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

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{S} | 191 % | 141 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.84 | 3.61 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.36 kW | 9.51 kW |
| COP Tj = -7°C | 2.87 | 2.25 |
| Pdh Tj = +2°C | 6.84 kW | 5.60 kW |
| COP Tj = +2°C | 4.84 | 3.64 |
| | | |





| | | · · · · · · · · · · · · · · · · · · · |
|---|-------------|---------------------------------------|
| Pdh Tj = +7°C | 4.21 kW | 5.07 kW |
| $COP Tj = +7^{\circ}C$ | 6.41 | 4.49 |
| Pdh Tj = 12°C | 3.03 kW | 6.01 kW |
| COP Tj = 12°C | 7.31 | 5.79 |
| Pdh Tj = Tbiv | 12.26 kW | 10.11 kW |
| COP Tj = Tbiv | 2.43 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.26 kW | 10.11 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.43 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5117 kWh | 5721 kWh |
| | | |

Domestic Hot Water (DHW)

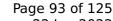


| EN 16147 | | |
|---------------------------------|-------------|--|
| | | |
| Declared load profile | L | |
| Efficiency ηDHW | 99 % | |
| СОР | 2.30 | |
| Heating up time | 01:59 h:min | |
| Standby power input | 61.0 W | |
| Reference hot water temperature | 51.4 °C | |
| Mixed water at 40°C | 252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

Colder Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 77 % | |
| СОР | 1.78 | |
| Heating up time | 02:51 h:min | |
| Standby power input | 92.0 W | |
| Reference hot water temperature | 52.3 °C | |
| Mixed water at 40°C | 260 I | |

Average Climate





| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 89 % | |
| СОР | 2.08 | |
| Heating up time | 02:27 h:min | |
| Standby power input | 67.0 W | |
| Reference hot water temperature | 51.8 °C | |
| Mixed water at 40°C | 259 I | |

Model: Bosch CS7001iAW 17 ORM-T

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Bosch CS7001iAW 17 ORM-T | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 5.63 kW | 4.48 kW |
| El input | 1.16 kW | 1.63 kW |
| СОР | 4.87 | 2.75 |

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



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

| EN 14825 | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 242 % | 170 % |
| Prated | 14.30 kW | 12.50 kW |
| SCOP | 6.13 | 4.34 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = $+2$ °C | 14.59 kW | 12.49 kW |
| $COPTj = +2^{\circ}C$ | 2.85 | 2.18 |
| Pdh Tj = $+7$ °C | 8.92 kW | 8.08 kW |
| $COPTj = +7^{\circ}C$ | 5.37 | 3.81 |
| Pdh Tj = 12°C | 4.16 kW | 5.99 kW |
| COP Tj = 12°C | 8.00 | 5.61 |
| Pdh Tj = Tbiv | 14.59 kW | 12.49 kW |
| COP Tj = Tbiv | 2.85 | 2.18 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 14.59 kW | 12.49 kW |



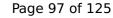


| 2.18 |
|-------------|
| 60.06 |
| 60 °C |
| 24 W |
| 41 W |
| 24 W |
| 11 W |
| Electricity |
| 0.00 kW |
| 3852 kWh |
| |

Colder Climate

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

| EN 14825 | | |
|-----------------|----------------------------------|--|
| Low temperature | Medium temperature | |
| 161 % | 123 % | |
| 10.00 kW | 9.10 kW | |
| 4.11 | 3.15 | |
| | Low temperature 161 % 10.00 kW | |





| This information was gener | ated by the HP KETMA | RK database on 22 Jun 202 |
|---|----------------------|---------------------------|
| Tbiv | -19 °C | -17 °C |
| TOL | -20 °C | -18 °C |
| Pdh Tj = -7°C | 6.20 kW | 5.60 kW |
| $COP Tj = -7^{\circ}C$ | 3.71 | 2.68 |
| Pdh Tj = +2°C | 4.91 kW | 4.40 kW |
| COP Tj = +2°C | 4.64 | 3.86 |
| Pdh Tj = $+7^{\circ}$ C | 5.34 kW | 5.07 kW |
| $COPTj = +7^{\circ}C$ | 6.14 | 4.76 |
| Pdh Tj = 12°C | 6.28 kW | 6.00 kW |
| COP Tj = 12°C | 7.41 | 6.23 |
| Pdh Tj = Tbiv | 9.25 kW | 7.90 kW |
| COP Tj = Tbiv | 2.21 | 1.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 7.47 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| PTO | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 10.00 kW | 9.10 kW |
| | | 1 |



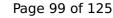


| Annual energy consumption Qhe | 6000 kWh | 7117 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 7.92 | 1.96 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.66 | 1.96 |

Average Climate

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

| EN 14825 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 191 % | 141 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.84 | 3.61 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.36 kW | 9.51 kW |
| COP Tj = -7°C | 2.87 | 2.25 |
| Pdh Tj = $+2$ °C | 6.84 kW | 5.60 kW |
| $COP Tj = +2^{\circ}C$ | 4.84 | 3.64 |
| | | |





| | <u> </u> | |
|---|-------------|-------------|
| Pdh Tj = $+7^{\circ}$ C | 4.21 kW | 5.07 kW |
| $COP Tj = +7^{\circ}C$ | 6.41 | 4.49 |
| Pdh Tj = 12°C | 3.03 kW | 6.01 kW |
| COP Tj = 12°C | 7.31 | 5.79 |
| Pdh Tj = Tbiv | 12.26 kW | 10.11 kW |
| COP Tj = Tbiv | 2.43 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.26 kW | 10.11 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.43 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5117 kWh | 5721 kWh |
| | | |

Domestic Hot Water (DHW)

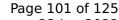


| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 107 % | |
| СОР | 2.49 | |
| Heating up time | 01:57 h:min | |
| Standby power input | 58.5 W | |
| Reference hot water temperature | 52.8 °C | |
| Mixed water at 40°C | 266 I | |

Colder Climate

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

Average Climate





| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 91 % | |
| СОР | 2.12 | |
| Heating up time | 02:24 h:min | |
| Standby power input | 64.3 W | |
| Reference hot water temperature | 52.9 °C | |
| Mixed water at 40°C | 269 I | |

Model: Bosch CS7001iAW 17 ORB-T

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Bosch CS7001iAW 17 ORB-T | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------------------|--|--|
| Power supply 3x400V 50Hz | | |

Heating

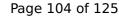
| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 5.63 kW | 4.48 kW |
| El input | 1.16 kW | 1.63 kW |
| СОР | 4.87 | 2.75 |

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



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

| EN 14825 | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 242 % | 170 % |
| Prated | 14.30 kW | 12.50 kW |
| SCOP | 6.13 | 4.34 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = $+2$ °C | 14.59 kW | 12.49 kW |
| $COPTj = +2^{\circ}C$ | 2.85 | 2.18 |
| Pdh Tj = $+7$ °C | 8.92 kW | 8.08 kW |
| $COPTj = +7^{\circ}C$ | 5.37 | 3.81 |
| Pdh Tj = 12°C | 4.16 kW | 5.99 kW |
| COP Tj = 12°C | 8.00 | 5.61 |
| Pdh Tj = Tbiv | 14.59 kW | 12.49 kW |
| COP Tj = Tbiv | 2.85 | 2.18 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 14.59 kW | 12.49 kW |



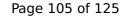


| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.85 | 2.18 |
|---|----------|----------|
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3115 kWh | 3852 kWh |

Colder Climate

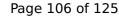
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 41 dB(A) | 41 dB(A) |
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

| EN 14825 | | |
|------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 161 % | 123 % |
| Prated | 10.00 kW | 9.10 kW |
| SCOP | 4.11 | 3.15 |
| | | |





| This information was genera | acca by the Hi Kellink | THE database on 22 july 2022 |
|---|------------------------|------------------------------|
| Tbiv | -19 °C | -17 °C |
| TOL | -20 °C | -18 °C |
| Pdh Tj = -7°C | 6.20 kW | 5.60 kW |
| $COP Tj = -7^{\circ}C$ | 3.71 | 2.68 |
| Pdh Tj = $+2$ °C | 4.91 kW | 4.40 kW |
| COP Tj = +2°C | 4.64 | 3.86 |
| Pdh Tj = +7°C | 5.34 kW | 5.07 kW |
| COP Tj = +7°C | 6.14 | 4.76 |
| Pdh Tj = 12°C | 6.28 kW | 6.00 kW |
| COP Tj = 12°C | 7.41 | 6.23 |
| Pdh Tj = Tbiv | 9.25 kW | 7.90 kW |
| COP Tj = Tbiv | 2.21 | 1.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 7.47 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| РСК | 11 W | 11 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| | | |





| Annual energy consumption Qhe | 6000 kWh | 7117 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 7.92 | 1.96 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.66 | 1.96 |

Average Climate

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

| EN 14825 | | |
|------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 191 % | 141 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.84 | 3.61 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.36 kW | 9.51 kW |
| COP Tj = -7°C | 2.87 | 2.25 |
| Pdh Tj = $+2$ °C | 6.84 kW | 5.60 kW |
| COP Tj = +2°C | 4.84 | 3.64 |
| | | |



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| Pdh Tj = +7°C | 4.21 kW | 5.07 kW |
|---|----------|----------|
| $COP Tj = +7^{\circ}C$ | 6.41 | 4.49 |
| Pdh Tj = 12°C | 3.03 kW | 6.01 kW |
| COP Tj = 12°C | 7.31 | 5.79 |
| Pdh Tj = Tbiv | 12.26 kW | 10.11 kW |
| COP Tj = Tbiv | 2.43 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.26 kW | 10.11 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.43 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5117 kWh | 5721 kWh |

Model: Bosch CS7001iAW 17 ORE-T

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Bosch CS7001iAW 17 ORE-T | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

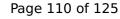
Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 5.63 kW | 4.48 kW |
| El input | 1.16 kW | 1.63 kW |
| СОР | 4.87 | 2.75 |

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

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

| EN 14825 | | | |
|---|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| η_{s} | 242 % | 170 % | |
| Prated | 14.30 kW | 12.50 kW | |
| SCOP | 6.13 | 4.34 | |
| Tbiv | 2 °C | 2 °C | |
| TOL | 2 °C | 2 °C | |
| Pdh Tj = $+2$ °C | 14.59 kW | 12.49 kW | |
| $COPTj = +2^{\circ}C$ | 2.85 | 2.18 | |
| Pdh Tj = $+7$ °C | 8.92 kW | 8.08 kW | |
| $COPTj = +7^{\circ}C$ | 5.37 | 3.81 | |
| Pdh Tj = 12°C | 4.16 kW | 5.99 kW | |
| COP Tj = 12°C | 8.00 | 5.61 | |
| Pdh Tj = Tbiv | 14.59 kW | 12.49 kW | |
| COP Tj = Tbiv | 2.85 | 2.18 | |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 14.59 kW | 12.49 kW | |



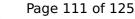


| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.85 | 2.18 |
|---|-------------|-------------|
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| PTO | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3115 kWh | 3852 kWh |

Colder Climate

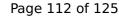
| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 41 dB(A) | 41 dB(A) | |
| Sound power level outdoor | 53 dB(A) | 53 dB(A) | |

| EN 14825 | | |
|-----------------|----------------------------------|--|
| Low temperature | Medium temperature | |
| 161 % | 123 % | |
| 10.00 kW | 9.10 kW | |
| 4.11 | 3.15 | |
| | Low temperature 161 % 10.00 kW | |





| 3 | , | int database on 22 jan 202 |
|---|-------------|----------------------------|
| Tbiv | -19 °C | -17 °C |
| TOL | -20 °C | -18 °C |
| Pdh Tj = -7°C | 6.20 kW | 5.60 kW |
| $COPTj = -7^{\circ}C$ | 3.71 | 2.68 |
| Pdh Tj = $+2$ °C | 4.91 kW | 4.40 kW |
| COP Tj = +2°C | 4.64 | 3.86 |
| Pdh Tj = $+7^{\circ}$ C | 5.34 kW | 5.07 kW |
| $COP Tj = +7^{\circ}C$ | 6.14 | 4.76 |
| Pdh Tj = 12°C | 6.28 kW | 6.00 kW |
| COP Tj = 12°C | 7.41 | 6.23 |
| Pdh Tj = Tbiv | 9.25 kW | 7.90 kW |
| COP Tj = Tbiv | 2.21 | 1.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 7.47 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 10.00 kW | 9.10 kW |
| | · | |





| Annual energy consumption Qhe | 6000 kWh | 7117 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 7.92 | 1.96 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.66 | 1.96 |

Average Climate

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

| EN 14825 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 191 % | 141 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.84 | 3.61 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.36 kW | 9.51 kW |
| COP Tj = -7°C | 2.87 | 2.25 |
| Pdh Tj = +2°C | 6.84 kW | 5.60 kW |
| $COP Tj = +2^{\circ}C$ | 4.84 | 3.64 |



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| Pdh Tj = $+7^{\circ}$ C | 4.21 kW | 5.07 kW |
|---|-------------|-------------|
| COP Tj = +7°C | 6.41 | 4.49 |
| Pdh Tj = 12°C | 3.03 kW | 6.01 kW |
| COP Tj = 12°C | 7.31 | 5.79 |
| Pdh Tj = Tbiv | 12.26 kW | 10.11 kW |
| COP Tj = Tbiv | 2.43 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.26 kW | 10.11 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.43 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5117 kWh | 5721 kWh |



Model: Bosch CS7001iAW 17 ORMB-T

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Bosch CS7001iAW 17 ORMB-T | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

| EN 14511-2 | | | | |
|------------------------------------|---------|---------|--|--|
| Low temperature Medium temperature | | | | |
| Heat output | 5.63 kW | 4.32 kW | | |
| El input | 1.21 kW | 1.66 kW | | |
| СОР | 4.66 | 2.60 | | |

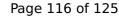
| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

Warmer Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | 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 | | | |
|---|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| η_{S} | 229 % | 166 % | |
| Prated | 14.30 kW | 12.50 kW | |
| SCOP | 5.79 | 4.22 | |
| Tbiv | 2 °C | 2 °C | |
| TOL | 2 °C | 2 °C | |
| Pdh Tj = +2°C | 14.59 kW | 12.49 kW | |
| $COP Tj = +2^{\circ}C$ | 2.81 | 2.15 | |
| Pdh Tj = $+7^{\circ}$ C | 8.92 kW | 8.08 kW | |
| $COPTj = +7^{\circ}C$ | 5.10 | 3.73 | |
| Pdh Tj = 12°C | 4.16 kW | 5.99 kW | |
| COP Tj = 12°C | 7.44 | 5.42 | |
| Pdh Tj = Tbiv | 14.59 kW | 12.49 kW | |
| COP Tj = Tbiv | 2.81 | 2.15 | |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 14.59 kW | 12.49 kW | |



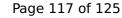


| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.81 | 2.15 |
|---|-------------|-------------|
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3299 kWh | 3959 kWh |

Colder Climate

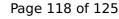
| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 49 dB(A) | 49 dB(A) | |
| Sound power level outdoor | 53 dB(A) | 53 dB(A) | |

| EN 14825 | | |
|-----------------|----------------------------------|--|
| Low temperature | Medium temperature | |
| 155 % | 120 % | |
| 10.00 kW | 9.10 kW | |
| 3.94 | 3.08 | |
| | Low temperature 155 % 10.00 kW | |





| This information was genera | | , |
|---|-------------|-------------|
| Tbiv | -19 °C | -17 °C |
| TOL | -20 °C | -18 °C |
| Pdh Tj = -7°C | 6.20 kW | 5.60 kW |
| COP Tj = -7°C | 3.59 | 2.64 |
| Pdh Tj = $+2$ °C | 4.91 kW | 4.40 kW |
| $COPTj = +2^{\circ}C$ | 4.43 | 3.76 |
| Pdh Tj = $+7^{\circ}$ C | 5.34 kW | 5.07 kW |
| COP Tj = +7°C | 5.81 | 4.60 |
| Pdh Tj = 12°C | 6.28 kW | 6.00 kW |
| COP Tj = 12°C | 6.92 | 6.03 |
| Pdh Tj = Tbiv | 9.25 kW | 7.90 kW |
| COP Tj = Tbiv | 2.17 | 1.73 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 7.47 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.12 | 1.63 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| РТО | 41 W | 41 W |
| PSB | 24 W | 24 W |
| РСК | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 10.00 kW | 9.10 kW |
| | | |





| Annual energy consumption Qhe | 6251 kWh | 7274 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 7.92 | 7.13 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.59 | 1.94 |

Average Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | 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 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 183 % | 138 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.64 | 3.52 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.36 kW | 9.51 kW |
| COP Tj = -7°C | 2.82 | 2.22 |
| Pdh Tj = $+2$ °C | 6.84 kW | 5.60 kW |
| $COP Tj = +2^{\circ}C$ | 4.64 | 3.56 |
| | | |



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| Pdh Tj = +7°C | 4.21 kW | 5.07 kW |
|---|-------------|-------------|
| COP Tj = +7°C | 6.02 | 4.36 |
| Pdh Tj = 12°C | 3.03 kW | 6.01 kW |
| COP Tj = 12°C | 6.87 | 5.58 |
| Pdh Tj = Tbiv | 12.26 kW | 10.11 kW |
| COP Tj = Tbiv | 2.40 | 1.88 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.26 kW | 10.11 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.40 | 1.88 |
| WTOL | 60 °C | 60 °C |
| Poff | 24 W | 24 W |
| PTO | 41 W | 41 W |
| PSB | 24 W | 24 W |
| PCK | 11 W | 11 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5346 kWh | 5861 kWh |



Model: Bosch CS7000iAW 17 IRMB-T

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Bosch CS7000iAW 17 IRMB-T | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

| EN 14511-2 | | | | |
|------------------------------------|---------|---------|--|--|
| Low temperature Medium temperature | | | | |
| Heat output | 5.08 kW | 4.10 kW | | |
| El input | 1.09 kW | 1.68 kW | | |
| СОР | 4.68 | 2.45 | | |

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

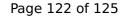
Warmer Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 51 dB(A) | 51 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

CEN heat pump KEYMARK

| EN 14825 | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 228 % | 162 % |
| Prated | 13.44 kW | 12.41 kW |
| SCOP | 5.78 | 4.12 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 13.44 kW | 12.41 kW |
| COP Tj = +2°C | 2.82 | 2.17 |
| Pdh Tj = +7°C | 8.54 kW | 8.58 kW |
| $COPTj = +7^{\circ}C$ | 5.05 | 3.56 |
| Pdh Tj = 12°C | 4.07 kW | 5.86 kW |
| COP Tj = 12°C | 7.38 | 5.30 |
| Pdh Tj = Tbiv | 13.44 kW | 12.41 kW |
| COP Tj = Tbiv | 2.82 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.44 kW | 12.41 kW |





| 2.82 | 2.17 |
|-------------|--|
| 60 °C | 60 °C |
| 22 W | 22 W |
| 23 W | 23 W |
| 22 W | 22 W |
| 0 W | o w |
| Electricity | Electricity |
| 0.00 kW | 0.00 kW |
| 3105 kWh | 4025 kWh |
| | 60 °C 22 W 23 W 22 W 0 W Electricity 0.00 kW |

Colder Climate

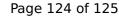
| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 51 dB(A) | 51 dB(A) | |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) | |

| Low temperature | Medium temperature |
|-----------------|--------------------|
| 163 % | 120.0/ |
| 103 70 | 120 % |
| 10.00 kW | 9.40 kW |
| 4.15 | 3.09 |
| _ | |





| 5 | , | int database on 22 juil 202 |
|---|-------------|-----------------------------|
| Tbiv | -17 °C | -17 °C |
| TOL | -18 °C | -17 °C |
| Pdh Tj = -7°C | 6.09 kW | 5.63 kW |
| $COP Tj = -7^{\circ}C$ | 3.56 | 2.66 |
| Pdh Tj = $+2$ °C | 3.66 kW | 4.40 kW |
| COP Tj = +2°C | 5.20 | 3.79 |
| Pdh Tj = $+7^{\circ}$ C | 2.70 kW | 5.06 kW |
| COP Tj = +7°C | 6.06 | 4.61 |
| Pdh Tj = 12°C | 6.23 kW | 5.98 kW |
| COP Tj = 12°C | 6.94 | 5.78 |
| Pdh Tj = Tbiv | 8.29 kW | 8.23 kW |
| COP Tj = Tbiv | 2.46 | 1.78 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.64 kW | 8.23 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.35 | 1.78 |
| WTOL | 60 °C | 60 °C |
| Poff | 22 W | 22 W |
| РТО | 23 W | 23 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 10.00 kW | 9.40 kW |
| | | |





| Annual energy consumption Qhe | 5947 kWh | 7507 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 8.01 | 7.48 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.65 | 1.99 |

Average Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 51 dB(A) | 51 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

| EN 14825 | | | |
|---------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| η_{S} | 185 % | 136 % | |
| Prated | 12.13 kW | 10.00 kW | |
| SCOP | 4.70 | 3.48 | |
| Tbiv | -10 °C | -10 °C | |
| TOL | -10 °C | -10 °C | |
| Pdh Tj = -7°C | 10.89 kW | 8.44 kW | |
| COP Tj = -7°C | 2.92 | 2.22 | |
| Pdh Tj = +2°C | 6.78 kW | 5.45 kW | |
| COP Tj = +2°C | 4.69 | 3.48 | |
| | | | |



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| Pdh Tj = +7°C | 4.05 kW | 4.98 kW |
|---|-------------|-------------|
| $COP Tj = +7^{\circ}C$ | 5.96 | 4.32 |
| Pdh Tj = 12°C | 3.00 kW | 5.93 kW |
| COP Tj = 12°C | 7.04 | 5.57 |
| Pdh Tj = Tbiv | 12.13 kW | 10.00 kW |
| COP Tj = Tbiv | 2.52 | 1.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.13 kW | 10.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.52 | 1.86 |
| WTOL | 60 °C | 60 °C |
| Poff | 22 W | 22 W |
| РТО | 23 W | 23 W |
| PSB | 22 W | 22 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5335 kWh | 5935 kWh |