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| Summary of | Bosch Compress CS3400iAWS 6,8,10 OR-S | Reg. No. | 011-1W0535 | |
|---------------------|---|--------------------------|------------|--|
| Certificate Holder | | | | |
| Name | Bosch Thermotechnik GmbH | 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 CS3400iAWS 6,8,10 OR-S | | | |
| Heat Pump Type | Outdoor Air/Water | | | |
| Refrigerant | R32 | | | |
| Mass of Refrigerant | 1.3 kg | | | |
| Certification Date | 10.06.2022 | | | |
| Testing basis | European KEYMARK Scheme for Heat Pumps Rev. 9 (as of 2021-03) | | | |



Model: CS3400iAWS 6 ORB-S

| Configure model | | | |
|-------------------------------------|---------------------------------|--|--|
| Model name | CS3400iAWS 6 ORB-S | | |
| 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 | 1x230V 50Hz | |

Heating

| EN 14511-2 | | | |
|-------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 6.16 kW | 5 kW | |
| El input | 1.3 kW | 1.92 kW | |
| СОР | 4.74 | 2.6 | |

| 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 | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| | EN 14825 | |
|-----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 249 % | 164 % |
| Prated | 8 kW | 8 kW |
| SCOP | 6.31 | 4.17 |
| Tbiv | 4 °C | 3 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 5.98 kW | 6.93 kW |
| COP Tj = +2°C | 3.72 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 4.93 kW | 4.92 kW |
| COP Tj = +7°C | 5.45 | 3.37 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.44 kW | 3.15 kW |
| COP Tj = 12°C | 8.29 | 5.59 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |

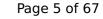




| Pdh Tj = Tbiv | 6.43 kW | 7.28 kW |
|---|----------|----------|
| COP Tj = Tbiv | 4.15 | 2.55 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.98 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.72 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | o w | o w |
| PSB | 11 W | 11 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 2.02 kW | 1.07 kW |
| Annual energy consumption Qhe | 1694 kWh | 2563 kWh |
| | | |

Colder Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 45 dB(A) | 45 dB(A) | |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) | |





| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 153 % | 106 % |
| Prated | 6 kW | 6 kW |
| SCOP | 3.89 | 2.72 |
| Tbiv | -12 °C | -13 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 3.72 kW | 3.57 kW |
| COP Tj = -7°C | 3.43 | 2.28 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.31 kW | 2.06 kW |
| COP Tj = +2°C | 4.83 | 3.44 |
| Cdh Tj = +2 °C | 0.98 | 0.98 |
| Pdh Tj = +7°C | 2.89 kW | 2.6 kW |
| $COP Tj = +7^{\circ}C$ | 6.27 | 4.47 |
| Cdh Tj = +7 °C | 0.98 | 0.98 |
| Pdh Tj = 12°C | 3.43 kW | 3.22 kW |
| COP Tj = 12°C | 8.11 | 6.04 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 4.34 kW | 4.36 kW |
| COP Tj = Tbiv | 2.74 | 1.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.11 kW | 3.46 kW |
| | | |





| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.05 | 1.33 |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | o w | 0 W |
| PSB | 11 W | 11 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 6 kW | 6 kW |
| Annual energy consumption Qhe | 3800 kWh | 5439 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 3.81 | 3.89 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.43 | 1.5 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

Average Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 45 dB(A) | 45 dB(A) | |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) | |





| This information was gener | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 182 % | 122 % |
| Prated | 6 kW | 6 kW |
| SCOP | 4.63 | 3.11 |
| Tbiv | -6 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7° C | 4.76 kW | 5.10 kW |
| $COP Tj = -7^{\circ}C$ | 2.88 | 1.86 |
| Cdh Tj = -7 °C | 0.99 | 1 |
| Pdh Tj = $+2$ °C | 3.16 kW | 3.10 kW |
| COP Tj = +2°C | 4.69 | 3.12 |
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = $+7$ °C | 2.86 kW | 2.51 kW |
| $COP Tj = +7^{\circ}C$ | 6.04 | 4.00 |
| Cdh Tj = $+7$ °C | 0.98 | 0.98 |
| Pdh Tj = 12°C | 3.46 kW | 3.22 kW |
| COP Tj = 12°C | 8.16 | 5.83 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 4.69 kW | 5.10 kW |
| COP Tj = Tbiv | 2.94 | 1.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh | 4.46 kW | 2.65 kW |
| | | |



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| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.67 | 1.40 |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | o w | o w |
| PSB | 11 W | 11 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 1.54 kW | 3.35 kW |
| Annual energy consumption Qhe | 2678 kWh | 3981 kWh |



Model: CS3400iAWS 6 ORE-S

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | CS3400iAWS 6 ORE-S | |
| 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 | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 6.16 kW | 5 kW |
| El input | 1.3 kW | 1.92 kW |
| COP | 4.74 | 2.6 |

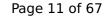
| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| | |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

Warmer Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 | | |
|-------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 249 % | 164 % |
| Prated | 8 kW | 8 kW |
| SCOP | 6.31 | 4.17 |
| Tbiv | 4 °C | 3 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 5.98 kW | 6.93 kW |
| COP Tj = +2°C | 3.72 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
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| $COP Tj = +7^{\circ}C$ | 5.45 | 3.37 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.44 kW | 3.15 kW |
| COP Tj = 12°C | 8.29 | 5.59 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |

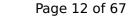




| Pdh Tj = Tbiv | 6.43 kW | 7.28 kW |
|---|-------------|-------------|
| COP Tj = Tbiv | 4.15 | 2.55 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.98 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.72 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | o w | o w |
| PSB | 11 W | 11 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.02 kW | 1.07 kW |
| Annual energy consumption Qhe | 1694 kWh | 2563 kWh |
| | | |

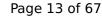
Colder Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |





| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 153 % | 106 % |
| Prated | 6 kW | 6 kW |
| SCOP | 3.89 | 2.72 |
| Tbiv | -12 °C | -13 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 3.72 kW | 3.57 kW |
| COP Tj = -7°C | 3.43 | 2.28 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.31 kW | 2.06 kW |
| COP Tj = +2°C | 4.83 | 3.44 |
| Cdh Tj = +2 °C | 0.98 | 0.98 |
| Pdh Tj = +7°C | 2.89 kW | 2.6 kW |
| $COP Tj = +7^{\circ}C$ | 6.27 | 4.47 |
| Cdh Tj = +7 °C | 0.98 | 0.98 |
| Pdh Tj = 12°C | 3.43 kW | 3.22 kW |
| COP Tj = 12°C | 8.11 | 6.04 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 4.34 kW | 4.36 kW |
| COP Tj = Tbiv | 2.74 | 1.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.11 kW | 3.46 kW |
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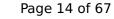


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|----------------------|---------------------|------------------|----------------|

| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.05 | 1.33 |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 6 kW | 6 kW |
| Annual energy consumption Qhe | 3800 kWh | 5439 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 3.81 | 3.89 |
| COP Tj = -15 °C (if TOL< -20 °C) | 2.43 | 1.5 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

Average Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |





| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 182 % | 122 % |
| Prated | 6 kW | 6 kW |
| SCOP | 4.63 | 3.11 |
| Tbiv | -6 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.76 kW | 5.10 kW |
| COP Tj = -7°C | 2.88 | 1.86 |
| Cdh Tj = -7 °C | 0.99 | 1 |
| Pdh Tj = +2°C | 3.16 kW | 3.10 kW |
| COP Tj = +2°C | 4.69 | 3.12 |
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = +7°C | 2.86 kW | 2.51 kW |
| $COP Tj = +7^{\circ}C$ | 6.04 | 4.00 |
| Cdh Tj = +7 °C | 0.98 | 0.98 |
| Pdh Tj = 12°C | 3.46 kW | 3.22 kW |
| COP Tj = 12°C | 8.16 | 5.83 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 4.69 kW | 5.10 kW |
| COP Tj = Tbiv | 2.94 | 1.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.46 kW | 2.65 kW |



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| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.67 | 1.40 |
|---|-------------|-------------|
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| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | o w | o w |
| PSB | 11 W | 11 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.54 kW | 3.35 kW |
| Annual energy consumption Qhe | 2678 kWh | 3981 kWh |



Model: CS3400iAWS 6 ORM-S

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | CS3400iAWS 6 ORM-S | |
| 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 1x230V 50Hz | | |

Heating

| EN 14511-2 | | |
|------------------------------------|---------|---------|
| Low temperature Medium temperature | | |
| Heat output | 6.16 kW | 5 kW |
| El input | 1.3 kW | 1.92 kW |
| СОР | 4.74 | 2.6 |

| 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 | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 | | |
|-------------------------|-----------------|--------------------|
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| η_{s} | 249 % | 164 % |
| Prated | 8 kW | 8 kW |
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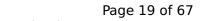




| Pdh Tj = Tbiv | 6.43 kW | 7.28 kW |
|---|-------------|-------------|
| COP Tj = Tbiv | 4.15 | 2.55 |
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| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | o w | 0 W |
| PSB | 11 W | 11 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.02 kW | 1.07 kW |
| Annual energy consumption Qhe | 1694 kWh | 2563 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
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| | Low temperature | Medium temperature |
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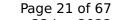




| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.05 | 1.33 |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | o w | 0 W |
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| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 6 kW | 6 kW |
| Annual energy consumption Qhe | 3800 kWh | 5439 kWh |
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| COP Tj = -15°C (if TOL $<$ -20°C) | 2.43 | 1.5 |
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Average Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |





| This information was gener | Low temperature | Medium temperature |
|---|-----------------|--------------------|
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| Prated | 6 kW | 6 kW |
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| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.67 | 1.40 |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | o w | o w |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.54 kW | 3.35 kW |
| | | |

2678 kWh

3981 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe

Warmer Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 150 % | |
| СОР | 3.62 | |
| Heating up time | 02:53 h:min | |
| Standby power input | 35.1 W | |
| Reference hot water temperature | 53.8 °C | |
| Mixed water at 40°C | 275 I | |



Colder Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 105 % | |
| СОР | 2.54 | |
| Heating up time | 02:47 h:min | |
| Standby power input | 43.6 W | |
| Reference hot water temperature | 53.6 °C | |
| Mixed water at 40°C | 273 I | |

Average Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 124 % | |
| COP | 2.99 | |
| | | |
| Heating up time | 02:33 h:min | |
| Standby power input | 41.5 W | |
| Reference hot water temperature | 53.8 °C | |
| Mixed water at 40°C | 274 | |



Model: CS3400iAWS 8 ORB-S

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | CS3400iAWS 8 ORB-S | |
| 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 | 1x230V 50Hz | |

Heating

| EN 14511-2 | | | |
|-------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 8.02 kW | 6.78 kW | |
| El input | 1.71 kW | 2.52 kW | |
| СОР | 4.7 | 2.69 | |

| 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 | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 | | |
|-----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 252 % | 166 % |
| Prated | 9 kW | 9 kW |
| SCOP | 6.39 | 4.23 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.35 kW | 6.93 kW |
| COP Tj = +2°C | 3.47 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 5.63 kW | 5.98 kW |
| COP Tj = +7°C | 5.43 | 3.4 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.46 kW | 3.17 kW |
| COP Tj = 12°C | 8.46 | 5.77 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |

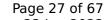




| | <u> </u> | |
|---|----------|----------|
| Pdh Tj = Tbiv | 7.88 kW | 7.65 kW |
| COP Tj = Tbiv | 3.88 | 2.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.35 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.47 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | o w | 0 W |
| PSB | 11 W | 11 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 1.65 kW | 2.07 kW |
| Annual energy consumption Qhe | 1883 kWh | 2846 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |





| This information was gener | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 153 % | 107 % |
| Prated | 7 kW | 7 kW |
| SCOP | 3.9 | 2.75 |
| Tbiv | -14 °C | -11 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 4.42 kW | 4.29 kW |
| $COPTj = -7^{\circ}C$ | 3.24 | 2.27 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.58 kW | 2.71 kW |
| COP Tj = +2°C | 4.92 | 3.62 |
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = +7°C | 2.86 kW | 2.63 kW |
| $COPTj = +7^{\circ}C$ | 6.31 | 4.58 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.44 kW | 3.23 kW |
| COP Tj = 12°C | 8.2 | 6.1 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 5.4 kW | 4.84 kW |
| COP Tj = Tbiv | 2.4 | 1.85 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.89 kW | 3.46 kW |
| | | |

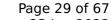




| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.84 | 1.33 |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 7 kW | 7 kW |
| Annual energy consumption Qhe | 4422 kWh | 6273 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 5.23 | 3.89 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.34 | 1.5 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

Average Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 45 dB(A) | 45 dB(A) | |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) | |





| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 185 % | 126 % |
| Prated | 8 kW | 7 kW |
| SCOP | 4.71 | 3.22 |
| Tbiv | -5 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.08 kW | 5.10 kW |
| COP Tj = -7°C | 2.82 | 1.86 |
| Cdh Tj = -7 °C | 0.99 | 1 |
| Pdh Tj = +2°C | 4.39 kW | 3.87 kW |
| COP Tj = +2°C | 4.82 | 3.24 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 2.85 kW | 2.60 kW |
| $COPTj = +7^{\circ}C$ | 6.33 | 4.41 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.46 kW | 3.18 kW |
| COP Tj = 12°C | 8.51 | 5.82 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 6.54 kW | 5.78 kW |
| COP Tj = Tbiv | 3.05 | 2.14 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.55 kW | 2.65 kW |
| | | |



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This information was generated by the HP KEYMARK database on 23 Jun 2022

| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.51 | 1.40 |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 2.45 kW | 4.40 kW |
| Annual energy consumption Qhe | 3512 kWh | 4489 kWh |



Model: CS3400iAWS 8 ORE-S

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | CS3400iAWS 8 ORE-S | |
| 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 | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 8.02 kW | 6.78 kW |
| El input | 1.71 kW | 2.52 kW |
| СОР | 4.7 | 2.69 |

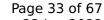
| EN 14511-4 | | |
|--|--------|--|
| Shutting off the heat transfer medium flow | passed | |
| Shatting on the heat transfer medium now | passeu | |
| Complete power supply failure | passed | |
| Defrost test | passed | |
| Starting and operating test | passed | |

Warmer Climate



| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 45 dB(A) | 45 dB(A) | |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) | |

| EN 14825 | | |
|-----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 252 % | 166 % |
| Prated | 9 kW | 9 kW |
| SCOP | 6.39 | 4.23 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.35 kW | 6.93 kW |
| COP Tj = +2°C | 3.47 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 5.63 kW | 5.98 kW |
| COP Tj = +7°C | 5.43 | 3.4 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.46 kW | 3.17 kW |
| COP Tj = 12°C | 8.46 | 5.77 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |





| Pdh Tj = Tbiv | 7.88 kW | 7.65 kW |
|---|-------------|-------------|
| COP Tj = Tbiv | 3.88 | 2.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.35 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.47 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.65 kW | 2.07 kW |
| Annual energy consumption Qhe | 1883 kWh | 2846 kWh |

Colder Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 45 dB(A) | 45 dB(A) | |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) | |





| This information was | This information was generated by the HP KEYMARK database on 23 Jun 2022 | | |
|----------------------|--|--------------------|--|
| | Low temperature | Medium temperature | |
| η_s | 153 % | 107 % | |

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 153 % | 107 % |
| Prated | 7 kW | 7 kW |
| SCOP | 3.9 | 2.75 |
| Tbiv | -14 °C | -11 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 4.42 kW | 4.29 kW |
| $COP Tj = -7^{\circ}C$ | 3.24 | 2.27 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.58 kW | 2.71 kW |
| COP Tj = +2°C | 4.92 | 3.62 |
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = +7°C | 2.86 kW | 2.63 kW |
| $COP Tj = +7^{\circ}C$ | 6.31 | 4.58 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.44 kW | 3.23 kW |
| COP Tj = 12°C | 8.2 | 6.1 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 5.4 kW | 4.84 kW |
| COP Tj = Tbiv | 2.4 | 1.85 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.89 kW | 3.46 kW |





| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.84 | 1.33 |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | o w | 0 W |
| PSB | 11 W | 11 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 7 kW | 7 kW |
| Annual energy consumption Qhe | 4422 kWh | 6273 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 5.23 | 3.89 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.34 | 1.5 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

Average Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 45 dB(A) | 45 dB(A) | |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) | |





| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 185 % | 126 % |
| Prated | 8 kW | 7 kW |
| SCOP | 4.71 | 3.22 |
| Tbiv | -5 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.08 kW | 5.10 kW |
| COP Tj = -7°C | 2.82 | 1.86 |
| Cdh Tj = -7 °C | 0.99 | 1 |
| Pdh Tj = +2°C | 4.39 kW | 3.87 kW |
| COP Tj = +2°C | 4.82 | 3.24 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 2.85 kW | 2.60 kW |
| $COP Tj = +7^{\circ}C$ | 6.33 | 4.41 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.46 kW | 3.18 kW |
| COP Tj = 12°C | 8.51 | 5.82 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 6.54 kW | 5.78 kW |
| COP Tj = Tbiv | 3.05 | 2.14 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.55 kW | 2.65 kW |



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This information was generated by the HP KEYMARK database on 23 Jun 2022

| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.51 | 1.40 |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.45 kW | 4.40 kW |
| Annual energy consumption Qhe | 3512 kWh | 4489 kWh |

Model: CS3400iAWS 8 ORM-S

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | CS3400iAWS 8 ORM-S | |
| 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 | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 8.02 kW | 6.78 kW |
| El input | 1.71 kW | 2.52 kW |
| СОР | 4.7 | 2.69 |

| 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 | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 | | |
|-----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 252 % | 166 % |
| Prated | 9 kW | 9 kW |
| SCOP | 6.39 | 4.23 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.35 kW | 6.93 kW |
| COP Tj = +2°C | 3.47 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 5.63 kW | 5.98 kW |
| COP Tj = +7°C | 5.43 | 3.4 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.46 kW | 3.17 kW |
| COP Tj = 12°C | 8.46 | 5.77 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |

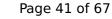




| Pdh Tj = Tbiv | 7.88 kW | 7.65 kW |
|---|-------------|-------------|
| COP Tj = Tbiv | 3.88 | 2.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.35 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.47 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.65 kW | 2.07 kW |
| Annual energy consumption Qhe | 1883 kWh | 2846 kWh |
| | | |

Colder Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |





| This information was gener | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 153 % | 107 % |
| Prated | 7 kW | 7 kW |
| SCOP | 3.9 | 2.75 |
| Tbiv | -14 °C | -11 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 4.42 kW | 4.29 kW |
| $COPTj = -7^{\circ}C$ | 3.24 | 2.27 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.58 kW | 2.71 kW |
| COP Tj = +2°C | 4.92 | 3.62 |
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = +7°C | 2.86 kW | 2.63 kW |
| $COPTj = +7^{\circ}C$ | 6.31 | 4.58 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.44 kW | 3.23 kW |
| COP Tj = 12°C | 8.2 | 6.1 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 5.4 kW | 4.84 kW |
| COP Tj = Tbiv | 2.4 | 1.85 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.89 kW | 3.46 kW |
| | | |





| Т | |
|-------------|--|
| 1.84 | 1.33 |
| 0.99 | 0.99 |
| 60 °C | 60 °C |
| 11 W | 11 W |
| o w | 0 W |
| 11 W | 11 W |
| o w | 0 W |
| Electricity | Electricity |
| 7 kW | 7 kW |
| 4422 kWh | 6273 kWh |
| 5.23 | 3.89 |
| 2.34 | 1.5 |
| 0.99 | 0.99 |
| | 0.99 60 °C 11 W 0 W 11 W 0 W Electricity 7 kW 4422 kWh 5.23 2.34 |

Average Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |





| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 185 % | 126 % |
| Prated | 8 kW | 7 kW |
| SCOP | 4.71 | 3.22 |
| Tbiv | -5 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.08 kW | 5.10 kW |
| COP Tj = -7°C | 2.82 | 1.86 |
| Cdh Tj = -7 °C | 0.99 | 1 |
| Pdh Tj = +2°C | 4.39 kW | 3.87 kW |
| COP Tj = +2°C | 4.82 | 3.24 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 2.85 kW | 2.60 kW |
| $COPTj = +7^{\circ}C$ | 6.33 | 4.41 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.46 kW | 3.18 kW |
| COP Tj = 12°C | 8.51 | 5.82 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 6.54 kW | 5.78 kW |
| COP Tj = Tbiv | 3.05 | 2.14 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.55 kW | 2.65 kW |
| | | |





| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.51 | 1.40 |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.45 kW | 4.40 kW |
| Annual energy consumption Qhe | 3512 kWh | 4489 kWh |

Domestic Hot Water (DHW)

Warmer Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 150 % | |
| СОР | 3.62 | |
| Heating up time | 02:53 h:min | |
| Standby power input | 35.1 W | |
| Reference hot water temperature | 53.8 °C | |
| Mixed water at 40°C | 275 I | |



Colder Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 105 % | |
| СОР | 2.54 | |
| Heating up time | 02:47 h:min | |
| Standby power input | 43.6 W | |
| Reference hot water temperature | 53.6 °C | |
| Mixed water at 40°C | 273 I | |

Average Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 124 % | |
| COP | 2.99 | |
| | | |
| Heating up time | 02:33 h:min | |
| Standby power input | 41.5 W | |
| Reference hot water temperature | 53.8 °C | |
| Mixed water at 40°C | 274 | |



Model: CS3400iAWS 10 ORB-S

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | CS3400iAWS 10 ORB-S | |
| 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 | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 8.92 kW | 7.87 kW |
| El input | 1.91 kW | 2.89 kW |
| СОР | 4.68 | 2.72 |

| 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 | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 | | |
|-----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 255 % | 169 % |
| Prated | 10 kW | 9.6 kW |
| SCOP | 6.46 | 4.3 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.85 kW | 6.93 kW |
| COP Tj = +2°C | 3.38 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 5.92 kW | 6.31 kW |
| COP Tj = +7°C | 5.57 | 3.51 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.53 kW | 3.19 kW |
| COP Tj = 12°C | 8.72 | 5.87 |
| Cdh Tj = +12 °C | 0.98 | 0.98 |

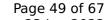




| 8.41 kW | 7.65 kW |
|----------|--|
| 3.77 | 2.75 |
| 7.85 kW | 6.93 kW |
| 3.38 | 2.34 |
| 0.99 | 0.99 |
| 60 °C | 60 °C |
| 11 W | 11 W |
| o w | o w |
| 11 W | 11 W |
| o w | o w |
| n/a | n/a |
| 2.15 kW | 2.67 kW |
| 2069 kWh | 2980 kWh |
| | 3.77 7.85 kW 3.38 0.99 60 °C 11 W 0 W 11 W 0 W n/a 2.15 kW |

Colder Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |





| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| ης | 154 % | 107 % |
| Prated | 8 kW | 7.8 kW |
| SCOP | 3.93 | 2.74 |
| Tbiv | -14 °C | -10 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7° C | 4.74 kW | 4.82 kW |
| COP Tj = -7° C | 3.2 | 2.27 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = $+2$ °C | 2.98 kW | 2.84 kW |
| $COP Tj = +2^{\circ}C$ | 5.01 | 3.64 |
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = $+7^{\circ}$ C | 2.71 kW | 2.65 kW |
| $COP Tj = +7^{\circ}C$ | 6.11 | 4.7 |
| Cdh Tj = $+7$ °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.44 kW | 3.23 kW |
| COP Tj = 12°C | 8.24 | 6.15 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 6.15 kW | 5.08 kW |
| COP Tj = Tbiv | 2.49 | 1.95 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.4 kW | 3.46 kW |

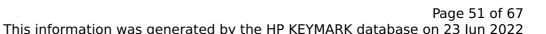




| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.94 | 1.33 |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | o w | 0 W |
| PSB | 11 W | 11 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 8 kW | 7.8 kW |
| Annual energy consumption Qhe | 5012 kWh | 7014 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 5.95 | 3.89 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.43 | 1.5 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

Average Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |





| This information was generated by the HP KEYMARK database on 23 Jun 20 | | |
|--|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{S} | 178 % | 125 % |
| Prated | 9.00 kW | 8.00 kW |
| SCOP | 4.53 | 3.21 |
| Tbiv | -6 °C | -4 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7° C | 6.79 kW | 5.10 kW |
| $COP Tj = -7^{\circ}C$ | 2.81 | 1.86 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = $+2$ °C | 4.78 kW | 4.58 kW |
| COP Tj = +2°C | 4.35 | 3.35 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = $+7^{\circ}$ C | 2.89 kW | 2.57 kW |
| $COP Tj = +7^{\circ}C$ | 6.47 | 4.29 |
| Cdh Tj = +7 °C | 0.970 | 0.980 |
| Pdh Tj = 12°C | 3.53 kW | 3.20 kW |
| COP Tj = 12°C | 8.72 | 5.96 |
| Cdh Tj = +12 °C | 0.970 | 0.980 |
| Pdh Tj = Tbiv | 7.03 kW | 6.10 kW |
| COP Tj = Tbiv | 2.91 | 2.28 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.20 kW | 2.65 kW |
| run ij = 10L or run ij = Taesignn if 10L < Taesignn | 0.2U KW | 2.03 KVV |



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This information was generated by the HP KEYMARK database on 23 Jun 2022

| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.50 | 1.40 |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 2.80 kW | 5.40 kW |
| Annual energy consumption Qhe | 4103 kWh | 5147 kWh |



Model: CS3400iAWS 10 ORE-S

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name CS3400iAWS 10 ORE-S | | |
| 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 | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|------------------------------------|---------|---------|
| Low temperature Medium temperature | | |
| Heat output | 8.92 kW | 7.87 kW |
| El input | 1.91 kW | 2.89 kW |
| COP | 4 68 | 2.72 |

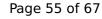
| EN 14511-4 | | |
|--|--------|--|
| Shutting off the heat transfer medium flow | passed | |
| | | |
| Complete power supply failure | passed | |
| Defrost test | passed | |
| Starting and operating test | passed | |

Warmer Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 | | |
|-------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 255 % | 169 % |
| Prated | 10 kW | 9.6 kW |
| SCOP | 6.46 | 4.3 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.85 kW | 6.93 kW |
| COP Tj = +2°C | 3.38 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = $+7^{\circ}$ C | 5.92 kW | 6.31 kW |
| $COPTj = +7^{\circ}C$ | 5.57 | 3.51 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.53 kW | 3.19 kW |
| COP Tj = 12°C | 8.72 | 5.87 |
| Cdh Tj = +12 °C | 0.98 | 0.98 |

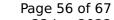




| Pdh Tj = Tbiv | 8.41 kW | 7.65 kW |
|---|-------------|-------------|
| COP Tj = Tbiv | 3.77 | 2.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.85 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.38 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | o w | 0 W |
| PSB | 11 W | 11 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.15 kW | 2.67 kW |
| Annual energy consumption Qhe | 2069 kWh | 2980 kWh |
| | | |

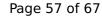
Colder Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |





| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 154 % | 107 % |
| Prated | 8 kW | 7.8 kW |
| SCOP | 3.93 | 2.74 |
| Tbiv | -14 °C | -10 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7° C | 4.74 kW | 4.82 kW |
| COP Tj = -7° C | 3.2 | 2.27 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = $+2$ °C | 2.98 kW | 2.84 kW |
| $COP Tj = +2^{\circ}C$ | 5.01 | 3.64 |
| Cdh Tj = $+2$ °C | 0.98 | 0.99 |
| Pdh Tj = $+7^{\circ}$ C | 2.71 kW | 2.65 kW |
| $COPTj = +7^{\circ}C$ | 6.11 | 4.7 |
| Cdh Tj = $+7$ °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.44 kW | 3.23 kW |
| COP Tj = 12°C | 8.24 | 6.15 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 6.15 kW | 5.08 kW |
| COP Tj = Tbiv | 2.49 | 1.95 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.4 kW | 3.46 kW |





| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.94 | 1.33 |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | o w | 0 W |
| PSB | 11 W | 11 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 8 kW | 7.8 kW |
| Annual energy consumption Qhe | 5012 kWh | 7014 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 5.95 | 3.89 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.43 | 1.5 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

Average Climate

| EN 12102-1 | | | |
|------------------------------------|----------|----------|--|
| Low temperature Medium temperature | | | |
| Sound power level indoor | 45 dB(A) | 45 dB(A) | |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) | |





| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 178 % | 125 % |
| Prated | 9.00 kW | 8.00 kW |
| SCOP | 4.53 | 3.21 |
| Tbiv | -6 °C | -4 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7° C | 6.79 kW | 5.10 kW |
| $COP Tj = -7^{\circ}C$ | 2.81 | 1.86 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = $+2$ °C | 4.78 kW | 4.58 kW |
| COP Tj = +2°C | 4.35 | 3.35 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = $+7^{\circ}$ C | 2.89 kW | 2.57 kW |
| $COP Tj = +7^{\circ}C$ | 6.47 | 4.29 |
| Cdh Tj = $+7$ °C | 0.970 | 0.980 |
| Pdh Tj = 12°C | 3.53 kW | 3.20 kW |
| COP Tj = 12°C | 8.72 | 5.96 |
| Cdh Tj = +12 °C | 0.970 | 0.980 |
| Pdh Tj = Tbiv | 7.03 kW | 6.10 kW |
| COP Tj = Tbiv | 2.91 | 2.28 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.20 kW | 2.65 kW |



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This information was generated by the HP KEYMARK database on 23 Jun 2022

| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.50 | 1.40 |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.80 kW | 5.40 kW |
| Annual energy consumption Qhe | 4103 kWh | 5147 kWh |



Model: CS3400iAWS 10 ORM-S

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | CS3400iAWS 10 ORM-S | |
| 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 1x230V 50Hz | | |

Heating

| EN 14511-2 | | | |
|------------------------------------|---------|---------|--|
| Low temperature Medium temperature | | | |
| Heat output | 8.92 kW | 7.87 kW | |
| El input | 1.91 kW | 2.89 kW | |
| СОР | 4.68 | 2.72 | |

| 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 | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 | | |
|-------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 255 % | 169 % |
| Prated | 10 kW | 9.6 kW |
| SCOP | 6.46 | 4.3 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.85 kW | 6.93 kW |
| COP Tj = +2°C | 3.38 | 2.34 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = $+7^{\circ}$ C | 5.92 kW | 6.31 kW |
| $COP Tj = +7^{\circ}C$ | 5.57 | 3.51 |
| Cdh Tj = +7 °C | 0.99 | 0.99 |
| Pdh Tj = 12°C | 3.53 kW | 3.19 kW |
| COP Tj = 12°C | 8.72 | 5.87 |
| Cdh Tj = +12 °C | 0.98 | 0.98 |

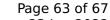




| Pdh Tj = Tbiv | 8.41 kW | 7.65 kW |
|---|-------------|-------------|
| COP Tj = Tbiv | 3.77 | 2.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.85 kW | 6.93 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.38 | 2.34 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | o w | o w |
| PSB | 11 W | 11 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.15 kW | 2.67 kW |
| Annual energy consumption Qhe | 2069 kWh | 2980 kWh |
| | | |

Colder Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |





| _ | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 154 % | 107 % |
| Prated | 8 kW | 7.8 kW |
| SCOP | 3.93 | 2.74 |
| Tbiv | -14 °C | -10 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 4.74 kW | 4.82 kW |
| COP Tj = -7 °C | 3.2 | 2.27 |
| Cdh Tj = -7 $^{\circ}$ C | 0.99 | 0.99 |
| Pdh Tj = $+2$ °C | 2.98 kW | 2.84 kW |
| COP Tj = +2°C | 5.01 | 3.64 |
| Cdh Tj = $+2$ °C | 0.98 | 0.99 |
| Pdh Tj = $+7^{\circ}$ C | 2.71 kW | 2.65 kW |
| $COP Tj = +7^{\circ}C$ | 6.11 | 4.7 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.44 kW | 3.23 kW |
| COP Tj = 12°C | 8.24 | 6.15 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 6.15 kW | 5.08 kW |
| COP Tj = Tbiv | 2.49 | 1.95 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.4 kW | 3.46 kW |

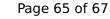




| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.94 | 1.33 |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | o w | 0 W |
| PSB | 11 W | 11 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 8 kW | 7.8 kW |
| Annual energy consumption Qhe | 5012 kWh | 7014 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 5.95 | 3.89 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.43 | 1.5 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

Average Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |





| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| ης | 178 % | 125 % |
| Prated | 9.00 kW | 8.00 kW |
| SCOP | 4.53 | 3.21 |
| Tbiv | -6 °C | -4 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7° C | 6.79 kW | 5.10 kW |
| COP $Tj = -7$ °C | 2.81 | 1.86 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = $+2$ °C | 4.78 kW | 4.58 kW |
| $COP Tj = +2^{\circ}C$ | 4.35 | 3.35 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = $+7$ °C | 2.89 kW | 2.57 kW |
| $COP Tj = +7^{\circ}C$ | 6.47 | 4.29 |
| Cdh Tj = $+7$ °C | 0.970 | 0.980 |
| Pdh Tj = 12°C | 3.53 kW | 3.20 kW |
| COP Tj = 12°C | 8.72 | 5.96 |
| Cdh Tj = +12 °C | 0.970 | 0.980 |
| Pdh Tj = Tbiv | 7.03 kW | 6.10 kW |
| COP Tj = Tbiv | 2.91 | 2.28 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.20 kW | 2.65 kW |





| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.50 | 1.40 |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| РТО | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.80 kW | 5.40 kW |
| Annual energy consumption Qhe | 4103 kWh | 5147 kWh |

Domestic Hot Water (DHW)

Warmer Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 150 % | |
| СОР | 3.62 | |
| Heating up time | 02:53 h:min | |
| Standby power input | 35.1 W | |
| Reference hot water temperature | 53.8 °C | |
| Mixed water at 40°C | 275 l | |



Colder Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| | V. | |
| Declared load profile | XL | |
| Efficiency ηDHW | 105 % | |
| СОР | 2.54 | |
| Heating up time | 02:47 h:min | |
| Standby power input | 43.6 W | |
| Reference hot water temperature | 53.6 °C | |
| Mixed water at 40°C | 273 I | |

Average Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 124 % | |
| СОР | 2.99 | |
| Heating up time | 02:33 h:min | |
| Standby power input | 41.5 W | |
| Reference hot water temperature | 53.8 °C | |
| Mixed water at 40°C | 274 | |