

CERTIFICATE

Certificate holder

**Bosch Thermotechnik GmbH
Junkersstr. 20-24
73249 Wernau
GERMANY**

Production facility

Aveiro, Tranas

Product

Air/Water Heat pumps

Type, Model

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

Testing basis

DIN EN 14511-1; DIN EN 14511-2; DIN EN 14511-3; DIN EN 14511-4:2013-12
DIN EN 14825:2013-12
DIN EN 12102:2013-10
DIN EN 16147:2011-04
European KEYMARK Scheme for Heat Pumps Rev. 7 (2019-09)

Mark of conformity**Registration No.**

011-1W0125

Valid until

2027-07-31

Right of use

This certificate entitles the holder to use the mark of conformity shown above in conjunction with the specified registration number.

See annex for further information.

ANNEX

Page 1 of 1

| | |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Certificate | 011-1W0125 dated 2020-10-19 |
| Technical Data | See Heat Pump KEYMARK database for detailed information |
| Testing laboratory/ Inspection body | Danish Technological Institute Refrigeration & Heat Pump Technology Kongsvang Alle 29 8000 Aarhus C. DENMARK |
| Test report(s) | 300-KLAB-14-015 dated 2014-07-01 |



This information was downloaded from the HP KEYMARK database on 13 Mar 2020

| | | | |
|----------------------------|------------------------------------------------------------|----------|------------|
| Summary of | Bosch Compress 7000iAW 13 OR and IR, Compress 6000 AW-13/s | Reg. No. | 011-1W0125 |
| Certificate Holder | | | |
| Name | Bosch Thermotechnik GmbH | | |
| Address | Sophienstraße 30-32 | Zip | 35576 |
| City | Wetzlar | Country | Germany |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | |
| Name of testing laboratory | Danish Technological Institute | | |
| Subtype title | Bosch Compress 7000iAW 13 OR and IR, Compress 6000 AW-13/s | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | HFC-410a | | |
| Mass Of Refrigerant | 3.3 kg | | |
| Certification Date | n/a | | |
| Testing basis | n/a | | |

Model: Bosch CS7000iAW 13 IRMS

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
| El input | 1.04 kW | 1.62 kW |
| COP | 4.90 | 2.75 |
| Indoor water flow rate | 0.89 m ³ /h | 0.49 m ³ /h |

EN 14511-4

| | |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 56 dB(A) | 56 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 202 % | 143 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7 °C | 9.20 kW | 8.50 kW |
| COP Tj = -7 °C | 3.02 | 2.15 |
| Pdh Tj = +2 °C | 6.00 kW | 4.70 kW |
| COP Tj = +2 °C | 4.90 | 3.51 |
| Pdh Tj = +7 °C | 3.60 kW | 5.30 kW |
| COP Tj = +7 °C | 6.74 | 4.99 |
| Pdh Tj = 12 °C | 3.20 kW | 6.40 kW |
| COP Tj = 12 °C | 9.23 | 7.38 |

This information was downloaded from the HP KEYMARK database on 13 Mar 2020

| | | |
|--------------------------------------------|----------|----------|
| Pdh Tj = Tbiv | 10.10 kW | 9.30 kW |
| COP Tj = Tbiv | 2.56 | 1.77 |
| Pdh Tj = TOL | 10.10 kW | 9.30 kW |
| COP Tj = TOL | 2.56 | 1.77 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4393 kWh | 5499 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 89 % |
| COP | 2.19 |
| Heating up time | 02:18 h:min |
| Standby power input | 67.0 W |
| Reference hot water temperature | 52.8 °C |
| Mixed water at 40°C | 310 l |

Model: Bosch CS7000iAW 13 IRM

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
| El input | 1.04 kW | 1.62 kW |
| COP | 4.90 | 2.75 |
| Indoor water flow rate | 0.89 m ³ /h | 0.49 m ³ /h |

EN 14511-4

| | |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 56 dB(A) | 56 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 202 % | 143 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7 °C | 9.20 kW | 8.50 kW |
| COP Tj = -7 °C | 3.02 | 2.15 |
| Pdh Tj = +2 °C | 6.00 kW | 4.70 kW |
| COP Tj = +2 °C | 4.90 | 3.51 |
| Pdh Tj = +7 °C | 3.60 kW | 5.30 kW |
| COP Tj = +7 °C | 6.74 | 4.99 |
| Pdh Tj = 12 °C | 3.20 kW | 6.40 kW |
| COP Tj = 12 °C | 9.23 | 7.38 |

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| | | |
|--------------------------------------------|----------|----------|
| Pdh Tj = Tbiv | 10.10 kW | 9.30 kW |
| COP Tj = Tbiv | 2.56 | 1.77 |
| Pdh Tj = TOL | 10.10 kW | 9.30 kW |
| COP Tj = TOL | 2.56 | 1.77 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4393 kWh | 5499 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 89 % |
| COP | 2.19 |
| Heating up time | 02:18 h:min |
| Standby power input | 67.0 W |
| Reference hot water temperature | 52.8 °C |
| Mixed water at 40°C | 310 l |

Model: Bosch CS7000iAW 13 IRB

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
| El input | 1.04 kW | 1.62 kW |
| COP | 4.90 | 2.75 |
| Indoor water flow rate | 0.89 m ³ /h | 0.49 m ³ /h |

EN 14511-4

| | |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 56 dB(A) | 56 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 202 % | 143 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7 °C | 9.20 kW | 8.50 kW |
| COP Tj = -7 °C | 3.02 | 2.15 |
| Pdh Tj = +2 °C | 6.00 kW | 4.70 kW |
| COP Tj = +2 °C | 4.90 | 3.51 |
| Pdh Tj = +7 °C | 3.60 kW | 5.30 kW |
| COP Tj = +7 °C | 6.74 | 4.99 |
| Pdh Tj = 12 °C | 3.20 kW | 6.40 kW |
| COP Tj = 12 °C | 9.23 | 7.38 |

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| | | |
|--------------------------------------------|----------|----------|
| Pdh Tj = Tbiv | 10.10 kW | 9.30 kW |
| COP Tj = Tbiv | 2.56 | 1.77 |
| Pdh Tj = TOL | 10.10 kW | 9.30 kW |
| COP Tj = TOL | 2.56 | 1.77 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4393 kWh | 5499 kWh |

Model: Bosch CS7000iAW 13 IRE

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
| El input | 1.04 kW | 1.62 kW |
| COP | 4.90 | 2.75 |
| Indoor water flow rate | 0.89 m ³ /h | 0.49 m ³ /h |

EN 14511-4

| | |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 56 dB(A) | 56 dB(A) |
| Sound power level outdoor | 37 dB(A) | 37 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 202 % | 143 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7 °C | 9.20 kW | 8.50 kW |
| COP Tj = -7 °C | 3.02 | 2.15 |
| Pdh Tj = +2 °C | 6.00 kW | 4.70 kW |
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| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4393 kWh | 5499 kWh |

Model: Bosch CS7000iAW 13 ORMS

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
| El input | 1.04 kW | 1.62 kW |
| COP | 4.90 | 2.75 |
| Indoor water flow rate | 0.89 m ³ /h | 0.49 m ³ /h |

EN 14511-4

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|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 202 % | 143 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7 °C | 9.20 kW | 8.50 kW |
| COP Tj = -7 °C | 3.02 | 2.15 |
| Pdh Tj = +2 °C | 6.00 kW | 4.70 kW |
| COP Tj = +2 °C | 4.90 | 3.51 |
| Pdh Tj = +7 °C | 3.60 kW | 5.30 kW |
| COP Tj = +7 °C | 6.74 | 4.99 |
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| Pdh Tj = Tbiv | 10.10 kW | 9.30 kW |
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| Cdh | 1.00 | 1.00 |
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| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4393 kWh | 5499 kWh |

Warmer Climate

Colder Climate

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 89 % |
| Heating up time | 02:18 h:min |
| Standby power input | 67.0 W |
| Reference hot water temperature | 52.8 °C |
| Mixed water at 40°C | 310 l |
| COP | 2.19 |

Warmer Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 101 % |
| COP | 2.53 |
| Heating up time | 02:18 h:min |
| Standby power input | 67.0 W |
| Reference hot water temperature | 52.8 °C |
| Mixed water at 40°C | 310 l |

Colder Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 79 % |
| COP | 1.98 |
| Heating up time | 02:18 h:min |
| Standby power input | 67.0 W |
| Reference hot water temperature | 52.8 °C |
| Mixed water at 40°C | 310 l |

Model: Bosch CS7000iAW 13 ORM

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
| El input | 1.04 kW | 1.62 kW |
| COP | 4.90 | 2.75 |
| Indoor water flow rate | 0.89 m ³ /h | 0.49 m ³ /h |

EN 14511-4

| | |
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| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 202 % | 143 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7 °C | 9.20 kW | 8.50 kW |
| COP Tj = -7 °C | 3.02 | 2.15 |
| Pdh Tj = +2 °C | 6.00 kW | 4.70 kW |
| COP Tj = +2 °C | 4.90 | 3.51 |
| Pdh Tj = +7 °C | 3.60 kW | 5.30 kW |
| COP Tj = +7 °C | 6.74 | 4.99 |
| Pdh Tj = 12 °C | 3.20 kW | 6.40 kW |
| COP Tj = 12 °C | 9.23 | 7.38 |

| | | |
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| Pdh Tj = Tbiv | 10.10 kW | 9.30 kW |
| COP Tj = Tbiv | 2.56 | 1.77 |
| Pdh Tj = TOL | 10.10 kW | 9.30 kW |
| COP Tj = TOL | 2.56 | 1.77 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4393 kWh | 5499 kWh |

Warmer Climate

Colder Climate

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
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Warmer Climate

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Colder Climate

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| Reference hot water temperature | 52.8 °C |
| Mixed water at 40°C | 310 l |

Model: Bosch CS7000iAW 13 ORB

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
| El input | 1.04 kW | 1.62 kW |
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EN 14511-4

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|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 202 % | 143 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7 °C | 9.20 kW | 8.50 kW |
| COP Tj = -7 °C | 3.02 | 2.15 |
| Pdh Tj = +2 °C | 6.00 kW | 4.70 kW |
| COP Tj = +2 °C | 4.90 | 3.51 |
| Pdh Tj = +7 °C | 3.60 kW | 5.30 kW |
| COP Tj = +7 °C | 6.74 | 4.99 |
| Pdh Tj = 12 °C | 3.20 kW | 6.40 kW |
| COP Tj = 12 °C | 9.23 | 7.38 |

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| | | |
|--------------------------------------------|----------|----------|
| Pdh Tj = Tbiv | 10.10 kW | 9.30 kW |
| COP Tj = Tbiv | 2.56 | 1.77 |
| Pdh Tj = TOL | 10.10 kW | 9.30 kW |
| COP Tj = TOL | 2.56 | 1.77 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4393 kWh | 5499 kWh |

Model: Bosch CS7000iAW 13 ORE

General Data

| | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |
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Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
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| | |
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Average Climate

| EN 12102-1 | | |
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| EN 14825 | | |
|-----------------|------------------------|---------------------------|
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| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7 °C | 9.20 kW | 8.50 kW |
| COP Tj = -7 °C | 3.02 | 2.15 |
| Pdh Tj = +2 °C | 6.00 kW | 4.70 kW |
| COP Tj = +2 °C | 4.90 | 3.51 |
| Pdh Tj = +7 °C | 3.60 kW | 5.30 kW |
| COP Tj = +7 °C | 6.74 | 4.99 |
| Pdh Tj = 12 °C | 3.20 kW | 6.40 kW |
| COP Tj = 12 °C | 9.23 | 7.38 |

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| | | |
|--------------------------------------------|----------|----------|
| Pdh Tj = Tbiv | 10.10 kW | 9.30 kW |
| COP Tj = Tbiv | 2.56 | 1.77 |
| Pdh Tj = TOL | 10.10 kW | 9.30 kW |
| COP Tj = TOL | 2.56 | 1.77 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4393 kWh | 5499 kWh |

Model: Bosch Compress 6000 AW-13 AWB

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
| El input | 1.04 kW | 1.62 kW |
| COP | 4.90 | 2.75 |
| Indoor water flow rate | 0.89 m ³ /h | 0.49 m ³ /h |

EN 14511-4

| | |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

EN 14825

This information was downloaded from the HP KEYMARK database on 13 Mar 2020

| | Low temperature | Medium temperature |
|---------------|------------------------|---------------------------|
| η_s | 202 % | 143 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.20 kW | 8.50 kW |
| COP Tj = -7°C | 3.02 | 2.15 |
| Pdh Tj = +2°C | 6.00 kW | 4.70 kW |
| COP Tj = +2°C | 4.90 | 3.51 |
| Pdh Tj = +7°C | 3.60 kW | 5.30 kW |
| COP Tj = +7°C | 6.74 | 4.99 |
| Pdh Tj = 12°C | 3.20 kW | 6.40 kW |
| COP Tj = 12°C | 9.23 | 7.38 |
| Pdh Tj = Tbiv | 10.10 kW | 9.30 kW |
| COP Tj = Tbiv | 2.56 | 1.77 |
| Pdh Tj = TOL | 10.10 kW | 9.30 kW |
| COP Tj = TOL | 2.56 | 1.77 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |

This information was downloaded from the HP KEYMARK database on 13 Mar 2020

| | | |
|--------------------------------------------|----------|----------|
| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4393 kWh | 5499 kWh |

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

Model: Bosch Compress 6000 AW-13 AWM

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
| El input | 1.04 kW | 1.62 kW |
| COP | 4.90 | 2.75 |
| Indoor water flow rate | 0.89 m ³ /h | 0.49 m ³ /h |

EN 14511-4

| | |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

EN 14825

This information was downloaded from the HP KEYMARK database on 13 Mar 2020

| | Low temperature | Medium temperature |
|---------------|------------------------|---------------------------|
| η_s | 202 % | 143 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.20 kW | 8.50 kW |
| COP Tj = -7°C | 3.02 | 2.15 |
| Pdh Tj = +2°C | 6.00 kW | 4.70 kW |
| COP Tj = +2°C | 4.90 | 3.51 |
| Pdh Tj = +7°C | 3.60 kW | 5.30 kW |
| COP Tj = +7°C | 6.74 | 4.99 |
| Pdh Tj = 12°C | 3.20 kW | 6.40 kW |
| COP Tj = 12°C | 9.23 | 7.38 |
| Pdh Tj = Tbiv | 10.10 kW | 9.30 kW |
| COP Tj = Tbiv | 2.56 | 1.77 |
| Pdh Tj = TOL | 10.10 kW | 9.30 kW |
| COP Tj = TOL | 2.56 | 1.77 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |

This information was downloaded from the HP KEYMARK database on 13 Mar 2020

| | | |
|--------------------------------------------|----------|----------|
| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4393 kWh | 5499 kWh |

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 89 % |
| COP | 2.19 |
| Heating up time | 02:18 h:min |
| Standby power input | 67.0 W |
| Reference hot water temperature | 52.8 °C |
| Mixed water at 40°C | 310 l |

Model: Bosch Compress 6000 AW-13 AWE

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
| El input | 1.04 kW | 1.62 kW |
| COP | 4.90 | 2.75 |
| Indoor water flow rate | 0.89 m ³ /h | 0.49 m ³ /h |

EN 14511-4

| | |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

EN 14825

| | Low temperature | Medium temperature |
|---------------|------------------------|---------------------------|
| η_s | 202 % | 143 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.20 kW | 8.50 kW |
| COP Tj = -7°C | 3.02 | 2.15 |
| Pdh Tj = +2°C | 6.00 kW | 4.70 kW |
| COP Tj = +2°C | 4.90 | 3.51 |
| Pdh Tj = +7°C | 3.60 kW | 5.30 kW |
| COP Tj = +7°C | 6.74 | 4.99 |
| Pdh Tj = 12°C | 3.20 kW | 6.40 kW |
| COP Tj = 12°C | 9.23 | 7.38 |
| Pdh Tj = Tbiv | 10.10 kW | 9.30 kW |
| COP Tj = Tbiv | 2.56 | 1.77 |
| Pdh Tj = TOL | 10.10 kW | 9.30 kW |
| COP Tj = TOL | 2.56 | 1.77 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |

This information was downloaded from the HP KEYMARK database on 13 Mar 2020

| | | |
|--------------------------------------------|----------|----------|
| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4393 kWh | 5499 kWh |

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

Model: Bosch Compress 6000 AW-13 AWMS

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
| El input | 1.04 kW | 1.62 kW |
| COP | 4.90 | 2.75 |
| Indoor water flow rate | 0.89 m ³ /h | 0.49 m ³ /h |

EN 14511-4

| | |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

EN 14825

This information was downloaded from the HP KEYMARK database on 13 Mar 2020

| | Low temperature | Medium temperature |
|---------------|------------------------|---------------------------|
| η_s | 202 % | 143 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.20 kW | 8.50 kW |
| COP Tj = -7°C | 3.02 | 2.15 |
| Pdh Tj = +2°C | 6.00 kW | 4.70 kW |
| COP Tj = +2°C | 4.90 | 3.51 |
| Pdh Tj = +7°C | 3.60 kW | 5.30 kW |
| COP Tj = +7°C | 6.74 | 4.99 |
| Pdh Tj = 12°C | 3.20 kW | 6.40 kW |
| COP Tj = 12°C | 9.23 | 7.38 |
| Pdh Tj = Tbiv | 10.10 kW | 9.30 kW |
| COP Tj = Tbiv | 2.56 | 1.77 |
| Pdh Tj = TOL | 10.10 kW | 9.30 kW |
| COP Tj = TOL | 2.56 | 1.77 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |

This information was downloaded from the HP KEYMARK database on 13 Mar 2020

| | | |
|--------------------------------------------|----------|----------|
| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4393 kWh | 5499 kWh |

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 89 % |
| COP | 2.19 |
| Heating up time | 02:18 h:min |
| Standby power input | 67.0 W |
| Reference hot water temperature | 52.8 °C |
| Mixed water at 40°C | 310 l |

Model: Bosch Compress 6000 AW-13s AWB

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
| El input | 1.04 kW | 1.62 kW |
| COP | 4.90 | 2.75 |
| Indoor water flow rate | 0.89 m ³ /h | 0.49 m ³ /h |

EN 14511-4

| | |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

EN 14825

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_s | 202 % | 143 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.20 kW | 8.50 kW |
| COP Tj = -7°C | 3.02 | 2.15 |
| Pdh Tj = +2°C | 6.00 kW | 4.70 kW |
| COP Tj = +2°C | 4.90 | 3.51 |
| Pdh Tj = +7°C | 3.60 kW | 5.30 kW |
| COP Tj = +7°C | 6.74 | 4.99 |
| Pdh Tj = 12°C | 3.20 kW | 6.40 kW |
| COP Tj = 12°C | 9.23 | 7.38 |
| Pdh Tj = Tbiv | 10.10 kW | 9.30 kW |
| COP Tj = Tbiv | 2.56 | 1.77 |
| Pdh Tj = TOL | 10.10 kW | 9.30 kW |
| COP Tj = TOL | 2.56 | 1.77 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |

This information was downloaded from the HP KEYMARK database on 13 Mar 2020

| | | |
|--------------------------------------------|----------|----------|
| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4393 kWh | 5499 kWh |

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

Model: Bosch Compress 6000 AW-13s AWM

General Data

| | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |
|--------------|-------------|

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
| El input | 1.04 kW | 1.62 kW |
| COP | 4.90 | 2.75 |
| Indoor water flow rate | 0.89 m ³ /h | 0.49 m ³ /h |

EN 14511-4

| | |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

EN 14825

| | Low temperature | Medium temperature |
|---------------|------------------------|---------------------------|
| η_s | 202 % | 143 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.20 kW | 8.50 kW |
| COP Tj = -7°C | 3.02 | 2.15 |
| Pdh Tj = +2°C | 6.00 kW | 4.70 kW |
| COP Tj = +2°C | 4.90 | 3.51 |
| Pdh Tj = +7°C | 3.60 kW | 5.30 kW |
| COP Tj = +7°C | 6.74 | 4.99 |
| Pdh Tj = 12°C | 3.20 kW | 6.40 kW |
| COP Tj = 12°C | 9.23 | 7.38 |
| Pdh Tj = Tbiv | 10.10 kW | 9.30 kW |
| COP Tj = Tbiv | 2.56 | 1.77 |
| Pdh Tj = TOL | 10.10 kW | 9.30 kW |
| COP Tj = TOL | 2.56 | 1.77 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |

| | | |
|--------------------------------------------|----------|----------|
| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q _{he} | 4393 kWh | 5499 kWh |

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 89 % |
| COP | 2.19 |
| Heating up time | 02:18 h:min |
| Standby power input | 67.0 W |
| Reference hot water temperature | 52.8 °C |
| Mixed water at 40°C | 310 l |

Model: Bosch Compress 6000 AW-13s AWMS

General Data

| | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |
|--------------|-------------|

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
| El input | 1.04 kW | 1.62 kW |
| COP | 4.90 | 2.75 |
| Indoor water flow rate | 0.89 m ³ /h | 0.49 m ³ /h |

EN 14511-4

| | |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

EN 14825

This information was downloaded from the HP KEYMARK database on 13 Mar 2020

| | Low temperature | Medium temperature |
|---------------|------------------------|---------------------------|
| η_s | 202 % | 143 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.20 kW | 8.50 kW |
| COP Tj = -7°C | 3.02 | 2.15 |
| Pdh Tj = +2°C | 6.00 kW | 4.70 kW |
| COP Tj = +2°C | 4.90 | 3.51 |
| Pdh Tj = +7°C | 3.60 kW | 5.30 kW |
| COP Tj = +7°C | 6.74 | 4.99 |
| Pdh Tj = 12°C | 3.20 kW | 6.40 kW |
| COP Tj = 12°C | 9.23 | 7.38 |
| Pdh Tj = Tbiv | 10.10 kW | 9.30 kW |
| COP Tj = Tbiv | 2.56 | 1.77 |
| Pdh Tj = TOL | 10.10 kW | 9.30 kW |
| COP Tj = TOL | 2.56 | 1.77 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |

This information was downloaded from the HP KEYMARK database on 13 Mar 2020

| | | |
|--------------------------------------------|----------|----------|
| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4393 kWh | 5499 kWh |

| EN 12102-1 | | |
|---------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 89 % |
| COP | 2.19 |
| Heating up time | 02:18 h:min |
| Standby power input | 67.0 W |
| Reference hot water temperature | 52.8 °C |
| Mixed water at 40°C | 310 l |

Model: Bosch Compress 6000 AW-13s AWE

General Data

| | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |
|--------------|-------------|

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 5.11 kW | 4.45 kW |
| El input | 1.04 kW | 1.62 kW |
| COP | 4.90 | 2.75 |
| Indoor water flow rate | 0.89 m ³ /h | 0.49 m ³ /h |

EN 14511-4

| | |
|----------------------------------------------------------------------------|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

EN 14825

| | Low temperature | Medium temperature |
|---------------|------------------------|---------------------------|
| η_s | 202 % | 143 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 5.13 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.20 kW | 8.50 kW |
| COP Tj = -7°C | 3.02 | 2.15 |
| Pdh Tj = +2°C | 6.00 kW | 4.70 kW |
| COP Tj = +2°C | 4.90 | 3.51 |
| Pdh Tj = +7°C | 3.60 kW | 5.30 kW |
| COP Tj = +7°C | 6.74 | 4.99 |
| Pdh Tj = 12°C | 3.20 kW | 6.40 kW |
| COP Tj = 12°C | 9.23 | 7.38 |
| Pdh Tj = Tbiv | 10.10 kW | 9.30 kW |
| COP Tj = Tbiv | 2.56 | 1.77 |
| Pdh Tj = TOL | 10.10 kW | 9.30 kW |
| COP Tj = TOL | 2.56 | 1.77 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |

This information was downloaded from the HP KEYMARK database on 13 Mar 2020

| | | |
|--------------------------------------------|----------|----------|
| Poff | 35 W | 35 W |
| PTO | 21 W | 21 W |
| PSB | 35 W | 35 W |
| PCK | 35 W | 35 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4393 kWh | 5499 kWh |

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 55 dB(A) | 55 dB(A) |