

| Summary of | Bosch Compress 3000 AWS-11/13/15 | Reg. No. | 011-1W0136 |
|----------------------------|---|---------------------------------|------------|
| Certificate Holder | Certificate Holder | | |
| Name | Bosch Thermotechnik GmbH | | |
| Address | Junkersstraße 20 - 24 | Junkersstraße 20 - 24 Zip 73249 | |
| City | Wernau | Country | Germany |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | |
| Name of testing laboratory | RISE Research Institutes of Sweden | | |
| Subtype title | Bosch Compress 3000 AWS-11/13/15 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410a | | |
| Mass Of Refrigerant | 2.3 kg | | |
| Certification Date | 26.09.2017 | | |

Model: Bosch Compress 3000 AWS-13 MS

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

Heating

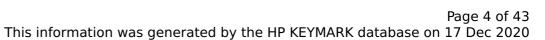
| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 9.21 kW | 8.02 kW |
| El input | 2.09 kW | 2.96 kW |
| СОР | 4.40 | 2.70 |
| Indoor water flow rate | 1.57 m³/h | 0.88 m³/h |

| 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 |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 67 dB(A) | 67 dB(A) |

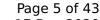
| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 153 % | 121 % |
| Prated | 11.00 kW | 10.00 kW |
| SCOP | 3.90 | 3.10 |
| Tbiv | -10 °C | -10 °C |
| TOL | -15 °C | -15 °C |
| Pdh Tj = -7°C | 9.90 kW | 8.40 kW |
| COP Tj = -7°C | 2.71 | 2.11 |
| Pdh Tj = +2°C | 6.00 kW | 6.00 kW |
| COP Tj = +2°C | 3.72 | 3.11 |
| Pdh Tj = +7°C | 6.50 kW | 6.00 kW |
| COP Tj = +7°C | 5.71 | 4.31 |
| Pdh Tj = 12°C | 6.50 kW | 6.00 kW |
| COP Tj = 12°C | 5.71 | 5.01 |
| Pdh Tj = Tbiv | 11.20 kW | 9.50 kW |



| CORTI – Thir | 2.61 | 1.81 |
|--|----------|----------|
| COP Tj = Tbiv | 2.01 | 1.01 |
| Pdh Tj = TOL | 11.20 kW | 9.50 kW |
| COP Tj = TOL | 2.61 | 1.81 |
| Cdh | 0.90 | 0.90 |
| WTOL | 57 °C | 57 °C |
| Poff | 11 W | 11 W |
| PTO | 51 W | 51 W |
| PSB | 11 W | 11 W |
| PCK | 100 W | 100 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5949 kWh | 6356 kWh |

Domestic Hot Water (DHW)

CEN heat pump KEYMARK





| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency ηDHW | 71 % |
| СОР | 1.68 |
| Standby power input | 60.0 W |
| Reference hot water temperature | 56.4 °C |
| Mixed water at 40°C | 304 I |
| Heating up time | 3:20 h:min |



Model: Bosch Compress 3000 AWS-13 M

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

Heating

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 9.21 kW | 8.02 kW |
| El input | 2.09 kW | 2.96 kW |
| СОР | 4.40 | 2.70 |
| Indoor water flow rate | 1.57 m³/h | 0.88 m³/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 | |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 67 dB(A) | 67 dB(A) |

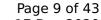
| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 153 % | 121 % |
| Prated | 11.00 kW | 10.00 kW |
| SCOP | 3.90 | 3.10 |
| Tbiv | -10 °C | -10 °C |
| TOL | -15 °C | -15 °C |
| Pdh Tj = -7°C | 9.90 kW | 8.40 kW |
| COP Tj = -7°C | 2.71 | 2.11 |
| Pdh Tj = +2°C | 6.00 kW | 6.00 kW |
| COP Tj = +2°C | 3.72 | 3.11 |
| Pdh Tj = +7°C | 6.50 kW | 6.00 kW |
| COP Tj = +7°C | 5.71 | 4.31 |
| Pdh Tj = 12°C | 6.50 kW | 6.00 kW |
| COP Tj = 12°C | 5.71 | 5.01 |
| Pdh Tj = Tbiv | 11.20 kW | 9.50 kW |





| COP Tj = Tbiv | 2.61 | 1.81 |
|--|----------|----------|
| Pdh Tj = TOL | 11.20 kW | 9.50 kW |
| COP Tj = TOL | 2.61 | 1.81 |
| Cdh | 0.90 | 0.90 |
| WTOL | 57 °C | 57 °C |
| Poff | 11 W | 11 W |
| РТО | 51 W | 51 W |
| PSB | 11 W | 11 W |
| PCK | 100 W | 100 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5949 kWh | 6356 kWh |
| | | |

Domestic Hot Water (DHW)





| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency ηDHW | 71 % |
| СОР | 1.68 |
| Heating up time | 3:20 h:min |
| Standby power input | 60.0 W |
| Reference hot water temperature | 56.4 °C |
| Mixed water at 40°C | 304 I |



Model: Bosch Compress 3000 AWS-13 B

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

Heating

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 9.21 kW | 8.02 kW |
| El input | 2.09 kW | 2.96 kW |
| СОР | 4.40 | 2.70 |
| Indoor water flow rate | 1.57 m³/h | 0.88 m³/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 | |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 67 dB(A) | 67 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 153 % | 121 % |
| Prated | 11.00 kW | 10.00 kW |
| SCOP | 3.90 | 3.10 |
| Tbiv | -10 °C | -10 °C |
| TOL | -15 °C | -15 °C |
| Pdh Tj = -7°C | 9.90 kW | 8.40 kW |
| COP Tj = -7°C | 2.71 | 2.11 |
| Pdh Tj = +2°C | 6.00 kW | 6.00 kW |
| COP Tj = +2°C | 3.72 | 3.11 |
| Pdh Tj = +7°C | 6.50 kW | 6.00 kW |
| COP Tj = +7°C | 5.71 | 4.31 |
| Pdh Tj = 12°C | 6.50 kW | 6.00 kW |
| COP Tj = 12°C | 5.71 | 5.01 |
| Pdh Tj = Tbiv | 11.20 kW | 9.50 kW |



| | This information was generated by the in NETT with database on 17 Bee 2020 | | | | |
|--|--|----------|--|--|--|
| COP Tj = Tbiv | 2.61 | 1.81 | | | |
| Pdh Tj = TOL | 11.20 kW | 9.50 kW | | | |
| COP Tj = TOL | 2.61 | 1.81 | | | |
| Cdh | 0.90 | 0.90 | | | |
| WTOL | 57 °C | 57 °C | | | |
| Poff | 11 W | 11 W | | | |
| PTO | 51 W | 51 W | | | |
| PSB | 11 W | 11 W | | | |
| PCK | 100 W | 100 W | | | |
| Supplementary Heater: Type of energy input | Electric | Electric | | | |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW | | | |
| Annual energy consumption Qhe | 5949 kWh | 6356 kWh | | | |



Model: Bosch Compress 3000 AWS-13 E

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

Heating

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 9.21 kW | 8.02 kW |
| El input | 2.09 kW | 2.96 kW |
| СОР | 4.40 | 2.70 |
| Indoor water flow rate | 1.57 m³/h | 0.88 m³/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 |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 67 dB(A) | 67 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 153 % | 121 % |
| Prated | 11.00 kW | 10.00 kW |
| SCOP | 3.90 | 3.10 |
| Tbiv | -10 °C | -10 °C |
| TOL | -15 °C | -15 °C |
| Pdh Tj = -7°C | 9.90 kW | 8.40 kW |
| COP Tj = -7°C | 2.71 | 2.11 |
| Pdh Tj = +2°C | 6.00 kW | 6.00 kW |
| COP Tj = +2°C | 3.72 | 3.11 |
| Pdh Tj = +7°C | 6.50 kW | 6.00 kW |
| COP Tj = +7°C | 5.71 | 4.31 |
| Pdh Tj = 12°C | 6.50 kW | 6.00 kW |
| COP Tj = 12°C | 5.71 | 5.01 |
| Pdh Tj = Tbiv | 11.20 kW | 9.50 kW |



| COP Tj = Tbiv | 2.61 | 1.81 |
|--|----------|----------|
| Pdh Tj = TOL | 11.20 kW | 9.50 kW |
| COP Tj = TOL | 2.61 | 1.81 |
| Cdh | 0.90 | 0.90 |
| WTOL | 57 °C | 57 °C |
| Poff | 11 W | 11 W |
| РТО | 51 W | 51 W |
| PSB | 11 W | 11 W |
| PCK | 100 W | 100 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5949 kWh | 6356 kWh |



Model: Bosch Compress 3000 AWS-11 MS

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

Heating

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 8.60 kW | 7.50 kW |
| El input | 1.95 kW | 2.78 kW |
| СОР | 4.40 | 2.70 |
| Indoor water flow rate | 1.47 m³/h | 0.83 m³/h |

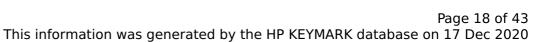
| EN 14511-4 | | |
|--|--------|--|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed | |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed | |
| Shutting off the heat transfer medium flow | passed | |
| Complete power supply failure | passed | |
| Defrost test | passed | |



 $$\operatorname{\textit{Page}}\ 17$$ of 43 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 67 dB(A) | 67 dB(A) |

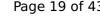
| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 152 % | 119 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 3.88 | 3.05 |
| Tbiv | -10 °C | -10 °C |
| TOL | -15 °C | -15 °C |
| Pdh Tj = -7°C | 8.80 kW | 7.50 kW |
| COP Tj = -7°C | 2.71 | 2.10 |
| Pdh Tj = +2°C | 5.90 kW | 6.00 kW |
| COP Tj = +2°C | 3.81 | 3.11 |
| Pdh Tj = +7°C | 6.50 kW | 6.00 kW |
| COP Tj = +7°C | 5.71 | 4.30 |
| Pdh Tj = 12°C | 6.50 kW | 6.00 kW |
| COP Tj = 12°C | 5.71 | 5.01 |
| Pdh Tj = Tbiv | 10.00 kW | 8.50 kW |



| COP Tj = Tbiv | 2.61 | 1.81 |
|--|----------|----------|
| Pdh Tj = TOL | 10.00 kW | 8.50 kW |
| COP Tj = TOL | 2.61 | 1.81 |
| Cdh | 0.90 | 0.90 |
| WTOL | 57 °C | 57 °C |
| Poff | 11 W | 11 W |
| РТО | 51 W | 51 W |
| PSB | 11 W | 11 W |
| PCK | 100 W | 100 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5324 kWh | 5770 kWh |

Domestic Hot Water (DHW)

CEN heat pump KEYMARK





 $$\operatorname{\textit{Page}}\ 19$ of 43$$ This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency ηDHW | 71 % |
| СОР | 1.68 |
| Heating up time | 3:20 h:min |
| Standby power input | 60.0 W |
| Reference hot water temperature | 56.4 °C |
| Mixed water at 40°C | 304 I |

Model: Bosch Compress 3000 AWS-11 M

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

Heating

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 8.60 kW | 7.50 kW |
| El input | 1.95 kW | 2.78 kW |
| СОР | 4.40 | 2.70 |
| Indoor water flow rate | 1.47 m³/h | 0.83 m³/h |

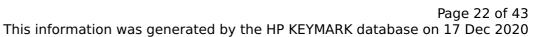
| EN 14511-4 | |
|--|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |



 $$\operatorname{\textit{Page}}\xspace$ 21 of 43 This information was generated by the HP KEYMARK database on 17 Dec 2020

| | EN 12102-1 | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 67 dB(A) | 67 dB(A) |

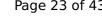
| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 152 % | 119 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 3.88 | 3.05 |
| Tbiv | -10 °C | -10 °C |
| TOL | -15 °C | -15 °C |
| Pdh Tj = -7°C | 8.80 kW | 7.50 kW |
| COP Tj = -7°C | 2.71 | 2.10 |
| Pdh Tj = +2°C | 5.90 kW | 6.00 kW |
| COP Tj = +2°C | 3.81 | 3.11 |
| Pdh Tj = +7°C | 6.50 kW | 6.00 kW |
| COP Tj = +7°C | 5.71 | 4.30 |
| Pdh Tj = 12°C | 6.50 kW | 6.00 kW |
| COP Tj = 12°C | 5.71 | 5.01 |
| Pdh Tj = Tbiv | 10.00 kW | 8.50 kW |





| COP Tj = Tbiv | 2.61 | 1.81 |
|--|----------|----------|
| Pdh Tj = TOL | 10.00 kW | 8.50 kW |
| COP Tj = TOL | 2.61 | 1.81 |
| Cdh | 0.90 | 0.90 |
| WTOL | 57 °C | 57 °C |
| Poff | 11 W | 11 W |
| РТО | 51 W | 51 W |
| PSB | 11 W | 11 W |
| PCK | 100 W | 100 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5324 kWh | 5770 kWh |

Domestic Hot Water (DHW)





 $$\operatorname{\textit{Page}}\xspace$ 23 of 43 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency ηDHW | 71 % |
| СОР | 1.68 |
| Heating up time | 3:20 h:min |
| Standby power input | 60.0 W |
| Reference hot water temperature | 56.4 °C |
| Mixed water at 40°C | 304 I |



Model: Bosch Compress 3000 AWS-11 B

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

Heating

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 8.60 kW | 7.50 kW |
| El input | 1.95 kW | 2.78 kW |
| СОР | 4.40 | 2.70 |
| Indoor water flow rate | 1.47 m³/h | 0.83 m³/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 |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 67 dB(A) | 67 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 152 % | 119 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 3.88 | 3.05 |
| Tbiv | -10 °C | -10 °C |
| TOL | -15 °C | -15 °C |
| Pdh Tj = -7°C | 8.80 kW | 7.50 kW |
| COP Tj = -7°C | 2.71 | 2.10 |
| Pdh Tj = +2°C | 5.90 kW | 6.00 kW |
| COP Tj = +2°C | 3.81 | 3.11 |
| Pdh Tj = +7°C | 6.50 kW | 6.00 kW |
| COP Tj = +7°C | 5.71 | 4.30 |
| Pdh Tj = 12°C | 6.50 kW | 6.00 kW |
| COP Tj = 12°C | 5.71 | 5.01 |
| Pdh Tj = Tbiv | 10.00 kW | 8.50 kW |



| COP Tj = Tbiv | 2.61 | 1.81 |
|--|----------|----------|
| Pdh Tj = TOL | 10.00 kW | 8.50 kW |
| COP Tj = TOL | 2.61 | 1.81 |
| Cdh | 0.90 | 0.90 |
| WTOL | 57 °C | 57 °C |
| Poff | 11 W | 11 W |
| РТО | 51 W | 51 W |
| PSB | 11 W | 11 W |
| PCK | 100 W | 100 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5324 kWh | 5770 kWh |

Model: Bosch Compress 3000 AWS-11 E

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

Heating

| EN 14511-2 | | | |
|------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 8.60 kW | 7.50 kW | |
| El input | 1.95 kW | 2.78 kW | |
| СОР | 4.40 | 2.70 | |
| Indoor water flow rate | 1.47 m³/h | 0.83 m³/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 | |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 67 dB(A) | 67 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 152 % | 119 % |
| Prated | 10.00 kW | 9.00 kW |
| SCOP | 3.88 | 3.05 |
| Tbiv | -10 °C | -10 °C |
| TOL | -15 °C | -15 °C |
| Pdh Tj = -7°C | 8.80 kW | 7.50 kW |
| COP Tj = -7°C | 2.71 | 2.10 |
| Pdh Tj = +2°C | 5.90 kW | 6.00 kW |
| COP Tj = +2°C | 3.81 | 3.11 |
| Pdh Tj = +7°C | 6.50 kW | 6.00 kW |
| COP Tj = +7°C | 5.71 | 4.30 |
| Pdh Tj = 12°C | 6.50 kW | 6.00 kW |
| COP Tj = 12°C | 5.71 | 5.01 |
| Pdh Tj = Tbiv | 10.00 kW | 8.50 kW |



| | · · · · · · · · · · · · · · · · · · · | |
|--|---------------------------------------|----------|
| COP Tj = Tbiv | 2.61 | 1.81 |
| Pdh Tj = TOL | 10.00 kW | 8.50 kW |
| COP Tj = TOL | 2.61 | 1.81 |
| Cdh | 0.90 | 0.90 |
| WTOL | 57 °C | 57 °C |
| Poff | 11 W | 11 W |
| РТО | 51 W | 51 W |
| PSB | 11 W | 11 W |
| PCK | 100 W | 100 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5324 kWh | 5770 kWh |



Model: Bosch Compress 3000 AWS-15 MS

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

Heating

| EN 14511-2 | | | |
|------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 9.65 kW | 8.36 kW | |
| El input | 2.19 kW | 3.06 kW | |
| СОР | 4.41 | 2.73 | |
| Indoor water flow rate | 1.64 m³/h | 0.92 m³/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 | |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 67 dB(A) | 67 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 153 % | 123 % |
| Prated | 13.00 kW | 11.00 kW |
| SCOP | 3.90 | 3.15 |
| Tbiv | -10 °C | -10 °C |
| TOL | -15 °C | -15 °C |
| Pdh Tj = -7°C | 11.10 kW | 9.30 kW |
| COP Tj = -7°C | 2.71 | 2.11 |
| Pdh Tj = +2°C | 6.70 kW | 6.00 kW |
| COP Tj = +2°C | 3.71 | 3.11 |
| Pdh Tj = +7°C | 6.50 kW | 6.00 kW |
| COP Tj = +7°C | 5.71 | 4.31 |
| Pdh Tj = 12°C | 6.50 kW | 6.00 kW |
| COP Tj = 12°C | 5.71 | 5.01 |
| Pdh Tj = Tbiv | 12.50 kW | 10.50 kW |

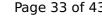


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This information was generated by the HP KEYMARK database on 17 Dec 2020

| COP Tj = Tbiv | 2.61 | 1.81 |
|--|----------|----------|
| Pdh Tj = TOL | 12.50 kW | 10.50 kW |
| COP Tj = TOL | 2.61 | 1.81 |
| Cdh | 0.90 | 0.90 |
| WTOL | 57 °C | 57 °C |
| Poff | 11 W | 11 W |
| РТО | 51 W | 51 W |
| PSB | 11 W | 11 W |
| PCK | 100 W | 100 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 6612 kWh | 6942 kWh |
| | | |

Domestic Hot Water (DHW)





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| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 71 % | |
| СОР | 1.68 | |
| Heating up time | 3:20 h:min | |
| Standby power input | 60.0 W | |
| Reference hot water temperature | 56.4 °C | |
| Mixed water at 40°C | 304 I | |

Model: Bosch Compress 3000 AWS-15 M

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

Heating

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 9.65 kW | 8.36 kW |
| El input | 2.19 kW | 3.06 kW |
| СОР | 4.41 | 2.73 |
| Indoor water flow rate | 1.64 m³/h | 0.92 m³/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 |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 67 dB(A) | 67 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 153 % | 123 % |
| Prated | 13.00 kW | 11.00 kW |
| SCOP | 3.90 | 3.15 |
| Tbiv | -10 °C | -10 °C |
| TOL | -15 °C | -15 °C |
| Pdh Tj = -7°C | 11.10 kW | 9.30 kW |
| COP Tj = -7°C | 2.71 | 2.11 |
| Pdh Tj = +2°C | 6.70 kW | 6.00 kW |
| COP Tj = +2°C | 3.71 | 3.11 |
| Pdh Tj = +7°C | 6.50 kW | 6.00 kW |
| COP Tj = +7°C | 5.71 | 4.31 |
| Pdh Tj = 12°C | 6.50 kW | 6.00 kW |
| COP Tj = 12°C | 5.71 | 5.01 |
| Pdh Tj = Tbiv | 12.50 kW | 10.50 kW |

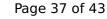


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This information was generated by the HP KEYMARK database on 17 Dec 2020

| COP Tj = Tbiv | 2.61 | 1.81 |
|--|----------|----------|
| Pdh Tj = TOL | 12.50 kW | 10.50 kW |
| COP Tj = TOL | 2.61 | 1.81 |
| Cdh | 0.90 | 0.90 |
| WTOL | 57 °C | 57 °C |
| Poff | 11 W | 11 W |
| РТО | 51 W | 51 W |
| PSB | 11 W | 11 W |
| PCK | 100 W | 100 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 6612 kWh | 6942 kWh |

Domestic Hot Water (DHW)





| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency ηDHW | 71 % |
| СОР | 1.68 |
| Heating up time | 3:20 h:min |
| Standby power input | 60.0 W |
| Reference hot water temperature | 56.4 °C |
| Mixed water at 40°C | 304 |

Model: Bosch Compress 3000 AWS-15 B

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

Heating

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 9.65 kW | 8.36 kW |
| El input | 2.19 kW | 3.06 kW |
| СОР | 4.41 | 2.73 |
| Indoor water flow rate | 1.64 m³/h | 0.92 m³/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 |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 67 dB(A) | 67 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 153 % | 123 % |
| Prated | 13.00 kW | 11.00 kW |
| SCOP | 3.90 | 3.15 |
| Tbiv | -10 °C | -10 °C |
| TOL | -15 °C | -15 °C |
| Pdh Tj = -7°C | 11.10 kW | 9.30 kW |
| COP Tj = -7°C | 2.71 | 2.11 |
| Pdh Tj = +2°C | 6.70 kW | 6.00 kW |
| COP Tj = +2°C | 3.71 | 3.11 |
| Pdh Tj = +7°C | 6.50 kW | 6.00 kW |
| COP Tj = +7°C | 5.71 | 4.31 |
| Pdh Tj = 12°C | 6.50 kW | 6.00 kW |
| COP Tj = 12°C | 5.71 | 5.01 |
| Pdh Tj = Tbiv | 12.50 kW | 10.50 kW |



| | Teracea by the fill itziri | |
|--|----------------------------|----------|
| COP Tj = Tbiv | 2.61 | 1.81 |
| Pdh Tj = TOL | 12.50 kW | 10.50 kW |
| COP Tj = TOL | 2.61 | 1.81 |
| Cdh | 0.90 | 0.90 |
| WTOL | 57 °C | 57 °C |
| Poff | 11 W | 11 W |
| РТО | 51 W | 51 W |
| PSB | 11 W | 11 W |
| PCK | 100 W | 100 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 6612 kWh | 6942 kWh |

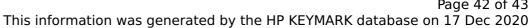
Model: Bosch Compress 3000 AWS-15 E

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

Heating

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 9.65 kW | 8.36 kW |
| El input | 2.19 kW | 3.06 kW |
| СОР | 4.41 | 2.73 |
| Indoor water flow rate | 1.64 m³/h | 0.92 m³/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 | |





| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 67 dB(A) | 67 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 153 % | 123 % |
| Prated | 13.00 kW | 11.00 kW |
| SCOP | 3.90 | 3.15 |
| Tbiv | -10 °C | -10 °C |
| TOL | -15 °C | -15 °C |
| Pdh Tj = -7°C | 11.10 kW | 9.30 kW |
| COP Tj = -7°C | 2.71 | 2.11 |
| Pdh Tj = +2°C | 6.70 kW | 6.00 kW |
| COP Tj = +2°C | 3.71 | 3.11 |
| Pdh Tj = +7°C | 6.50 kW | 6.00 kW |
| COP Tj = +7°C | 5.71 | 4.31 |
| Pdh Tj = 12°C | 6.50 kW | 6.00 kW |
| COP Tj = 12°C | 5.71 | 5.01 |
| Pdh Tj = Tbiv | 12.50 kW | 10.50 kW |



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| COP Tj = Tbiv | 2.61 | 1.81 |
|--|----------|----------|
| Pdh Tj = TOL | 12.50 kW | 10.50 kW |
| COP Tj = TOL | 2.61 | 1.81 |
| Cdh | 0.90 | 0.90 |
| WTOL | 57 °C | 57 °C |
| Poff | 11 W | 11 W |
| РТО | 51 W | 51 W |
| PSB | 11 W | 11 W |
| PCK | 100 W | 100 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 6612 kWh | 6942 kWh |