

This information was generated by the HP KEYMARK database on 18 Mar 2022

[Login](#)

| | | | |
|---------------------|---|----------|----------------|
| Summary of | BoxAir Inverter BA37IS-1 | Reg. No. | 037-0070-21 |
| Certificate Holder | | | |
| Name | Master Therm tepelna cerpadla s.r.o. | | |
| Address | Vaclavske namesti 819/43 | Zip | 110 00 |
| City | Praha | Country | Czech Republic |
| Certification Body | SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise) | | |
| Subtype title | BoxAir Inverter BA37IS-1 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410A | | |
| Mass of Refrigerant | 4.5 kg | | |
| Certification Date | 26.01.2021 | | |
| Testing basis | HP Keymark scheme rules rev. no. 7 | | |

Model: BoxAir Inverter BA37IS-1

| Configure model | |
|-------------------------------------|--------------------------|
| Model name | BoxAir Inverter BA37IS-1 |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

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

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 11.46 kW | 10.34 kW |
| El input | 2.43 kW | 3.37 kW |
| COP | 4.71 | 3.07 |

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

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 48 dB(A) | 48 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 177 % | 137 % |
| Prated | 10.93 kW | 10.02 kW |
| SCOP | 4.49 | 3.51 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 9.67 kW | 8.86 kW |
| COP Tj = -7°C | 2.64 | 2.00 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 6.10 kW | 5.45 kW |
| COP Tj = +2°C | 4.38 | 3.41 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 4.06 kW | 3.48 kW |
| COP Tj = +7°C | 6.19 | 4.94 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 4.75 kW | 4.08 kW |
| COP Tj = 12°C | 7.62 | 6.01 |
| Cdh Tj = +12 °C | 0.97 | 0.97 |
| Pdh Tj = Tbiv | 9.67 kW | 8.86 kW |
| COP Tj = Tbiv | 2.64 | 2.00 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.04 kW | 8.22 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.48 | 1.85 |
| WTOL | 60 °C | 60 °C |
| Poff | 19 W | 19 W |
| PTO | 19 W | 19 W |
| PSB | 19 W | 19 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.89 kW | 1.80 kW |
| Annual energy consumption Qhe | 5029 kWh | 5905 kWh |