Atelier Boonen - Robur Tempest Safe - IT Safe with TEMPEST Level A Shielding



Additional information

brand: Robur safes

The Robur Tempest Safe has been developed for the most demanding environments where the security of IT equipment and sensitive information must be absolutely guaranteed. Modern organizations face not only the risks of burglary and sabotage, but also increasingly sophisticated electronic threats such as electronic eavesdropping, signal leakage, and electromagnetic interference (EMI/EMP).

The Tempest Safe provides a comprehensive solution by combining the strength of a secure safe with the properties of a Faraday cage. This prevents both unauthorized physical access to the hardware and any leakage of signals. The safe is certified according to NATO SDIP-27/1 Level A – the highest NATO classification, also referred to as **Full** – which guarantees that direct eavesdropping is impossible within a radius of 1 meter. This classification is mandatory for NATO Zone 0 environments and is considered the strictest global standard for TEMPEST security.

With a combination of international certifications (EN 1143-1, ECB·S R16, SSF 3492, EN 50147, NSA 94-106) and a carefully engineered design that integrates ventilation, filters, and modular 19 racks, the Robur Tempest Safe is the ultimate solution for data centres, government institutions, defence, and any organization where continuity and confidentiality are of critical importance.

See also our other server safes and IT safes or read how to approach buying a safe in Belgium, with delivery and installation by our own team.

Available versions
The Tempest Safe is available in two versions, both compliant with international standards:

1. Tempest Safe Level A / SSF 3492 (SN3)
    - Installed in a security cabinet certified to SSF 3492 (SN3), approved by SBSC

- Ventilation with 3 or 6 fans (303 m³/h each), max. 54 dB
- Honeycomb filters for airflow, EMC filters for power supply, fibre optic filters
- Standard key lock, optional electronic lock
- Finish: light grey, RAL 9002

2. Tempest Safe Level A / Grade I (EN 1143-1, ECB·S R16)
   - Constructed to EN 1143-1 Grade I, certified by ECB·S R16
   - Standard equipped with two electronic combination locks
   - Ventilation with 3 axial fans (178 m³/h each), max. 48 dB
   - Same TEMPEST shielding: >100 dB (30 MHz – 10 GHz / 1 m)
   - Finish: light grey, RAL 7035

Key features

- NATO SDIP-27/1 Level A (Full) – the highest NATO standard for TEMPEST security
- Compliant with EN 1143-1 (Grade I, ECB·S R16), SSF 3492 (SN3), EN 50147, and NSA 94-106
- Faraday cage with minimum shielding of 100 dB (30 MHz – 10 GHz / 1 m)
- Server capacity: 19 rack, ranging from 12U to 35U depending on the model
- Honeycomb filter technology and EMC filters for power and data cables
- Supplied with a 6-way power strip as standard
- Prepared for floor anchoring

Technical specifications (models)

SSF 3492 (SN3):

- 1000/680: 12U rack, 345 kg, 1000 × 870 × 680 mm
- 2020/1315: 30U rack, 770 kg, 2020 × 870 × 1315 mm
- 2245/1115: 35U rack, 745 kg, 2245 × 870 × 1115 mm
- 2245/1215: 35U rack, 795 kg, 2245 × 870 × 1215 mm

EN 1143-1 / ECB·S R16:

- 1180/1070: 12U rack, 470 kg, 1180 × 755 × 1070 mm
- 1180/1500: 12U rack, 610 kg, 1180 × 755 × 1500 mm
- 1915/1070: 28U rack, 770 kg, 1915 × 755 × 1070 mm

- 1915/1500: 28U rack, 1020 kg, 1915 × 755 × 1500 mm

Options and customization

- Cooling unit (2.0 kW) for active cooling
- Fibre optic to LAN converter
- Additional 10-way power strips
- Fire detection and suppression systems
- Special RAL colours

Benefits and applications
The Robur Tempest Safe offers a unique combination of physical protection, TEMPEST shielding, and climate control. This makes it the ideal choice for:

- Defence and government (NATO Zone 0 environments)
- Data centres and telecommunications infrastructure
- Financial institutions and organizations with critical IT systems

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Tailored Advice & Quotation
The Robur Tempest Safe is a specialized solution for organizations with the highest security requirements. Would you like advice or a tailored quotation? Contact us – we will be happy to assist you.