

SHIELDED ENCLOSURES MODEL 5261-1 SHIELDED RACK ENCLOSURE



MODEL 5261-1

- 40U Rack-Mounted Shielded Enclosure
- Up to 80 dB Shielding Effectiveness
- Supports TEMPEST, IEMI, and EMP Applications
- Integrated EMI Power Line Filters
- Fiber Optic & Custom Penetration Panels
- Portable Design with Casters and Leveling Feet
- Factory Tested to IEEE Std. 299
- Fully Assembled for Rapid Deployment

The ETS-Lindgren **Model 5261-1 Shielded Rack Enclosure (SRE)** provides a compact, mobile solution for protecting rack-mounted electronics from external electromagnetic interference while containing RF emissions generated within the enclosure. Designed for secure communications, mission-critical systems, and sensitive electronic equipment, the 40U enclosure delivers up to 80 dB of shielding effectiveness and is factory tested in accordance with IEEE Std. 299. It is ideally suited for TEMPEST, IEMI, EMP, secure data center, laboratory, and critical infrastructure applications.

Designed for flexibility and ease of deployment, the Model 5261-1 features a rugged painted steel shielding enclosure with front and rear shielded doors for full rack access, integrated waveguide ventilation, dual power line filters, customizable penetration panels, and a built-in 40U equipment rack. Heavy-duty casters and extendable leveling feet allow the enclosure to be easily relocated and securely positioned wherever protection is required.

The enclosure ships fully assembled and supports a wide variety of secure facility and laboratory applications. Optional fiber optic penetration kits, Ethernet filtering, and EMP power filters allow the Model 5261-1 to be configured for specific operational requirements while maintaining high shielding performance and equipment accessibility.

Standard Configuration

- 40U, 19-inch Equipment Rack
- Front and Rear RF-Shielded Access Doors
- Three Adjustable Equipment Shelves
- Two Shielded Penetration Panels
- One 12-Way Fiber Optic Penetration Kit (WGF-12)
- Passive Waveguide Ventilation
- Integrated 4-in-1 Exhaust Fan Array
- Dual 16 A EMI Power Line Filters
- Dual 8-Outlet Internal PDU
- Grounding Connection
- Four Locking Casters with Leveling Feet
- Factory Shielding Effectiveness Test Report

Options

- Additional WGF-6 Fiber Optic Penetration Kits
- Additional WGF-12 Fiber Optic Penetration Kits
- 10G Ethernet Filter
- HEMP-2030/PEN EMP Power Line Filter
- Keyed Padlock
- Freight Services

Technical Specifications

Electrical

Parameter	Specification
Shielding Effectiveness	Up to 80 dB
Electric Field	50 dB @ 10 kHz; 80 dB @ 156 kHz & 1 MHz
Plane Wave	80 dB (30 MHz-1 GHz)
Microwave	80 dB @ 5 GHz; 70 dB @ 7 GHz; 60 dB @ 10 GHz
Test Standard	IEEE Std. 299 / EN 50147-1

Physical

Parameter	Specification
Rack Capacity	40U
External Dimensions	1000 x 700 x 2000 mm (39.5 x 28 x 79 in)
Weight	251 kg (554 lb)
Mobility	Casters with extendable leveling feet