



Optima Stantron's S-Series of industrial cabinets meets or exceeds FCC class A and B requirements for equipment protection. Using an extrusion based frame system, integrated with BeCu gaskets and shielded ventilation, the cabinets deliver superior EMC performance. Designed to perform in the most demanding applications, the bezels are rated to 6,600 lbs static load and corrosion resistance painted with a powder coat method electrostatically applied and thermally set to a hard, durable coating. A wide selection of doors, side panels, top and bottom covers combined with a family of accessory items complete the range.

## Features:

- Modular extruded, aluminum frame (6063-T5 AL)
- 46dB shielding effectiveness (30MHz to 1,000 MHz – basic shielding level)
- BeCu gasketing applied to all seams and joints. (spring and sawtooth) to insure paint-free electrical contact areas with optional clear chromate
- Shielded mesh ventilation. (honeycomb optional)
- Shielded accessories to include: panels, drawers and writing surfaces
- Solid billeted aluminum corners. (four way crimped)
- Bezel tested to 6,600 lbs static load. (2,000 lb rated)
- Standard Sizes:
  - Widths: 19", 23" and 24"
  - Heights: 12U, 16U, 20U, 24U, 30U, 35U, 40U, 44U (custom available)
  - Depths: 24", 30", 36", 42"
- Independent, removable side, top panel, bottom panel and doors (Aluminum)
- Integrated cable management, power conditioning & cooling options
- Wide range of standard body and trim color options

## Benefits:

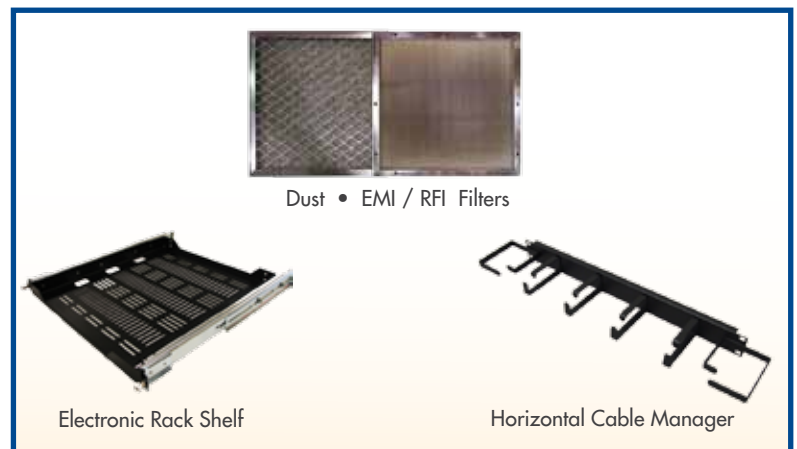
- Superior shielding effectiveness: FCC Part 15, Subpart J (class A & B)
- Attractive, professional bezel designs: "shadow box" (SC) or "flush" (SA)
- Modular design reduces installation, upgrade and service time
- Custom design options, standard platform and cost
- Wide range of industry standard sizes and options
- Selection of contemporary color choices, (custom color matching also available)
- Superior strength-to-weight ratio
- Proven paint adhesion provides durable aesthetics
- Custom design options, standard platform and cost
- Free assembly. Optima Stantron expertly assembles your cabinet at no charge



## Applications and Related Products

Optima Stantron's S-Series cabinets can be used in a wide range of applications.

- Industrial / Manufacturing
- Computer / Server
- Broadcast
- Datacom
- Medical
- Test / Measurement
- Scientific



# S-Series EMC Shielded Industrial Cabinets



Cabinets

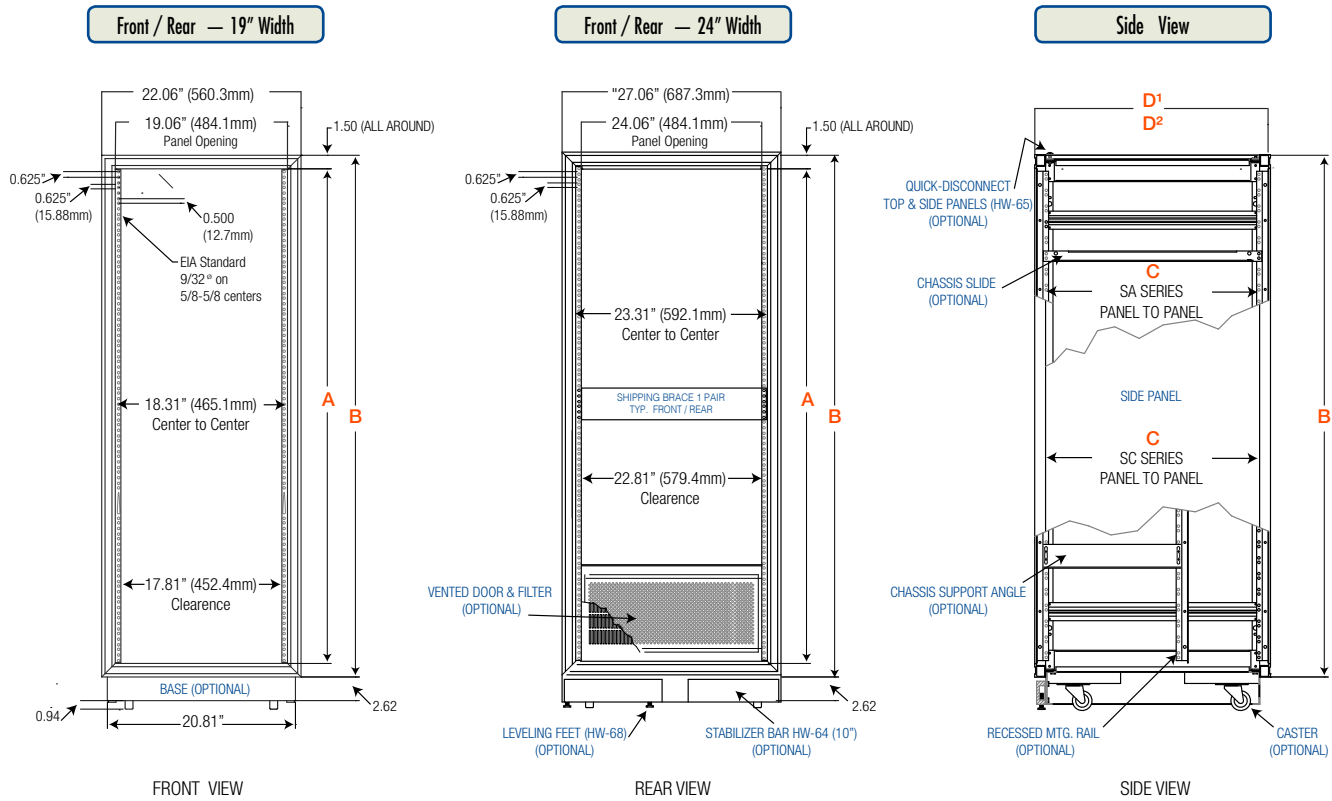


Shielded



Industrial

## Block Diagram



U	A		B		C	D1	D2
	inch	mm	inch	mm	Inch / mm	SC Only	SA Only
12	21.12	536.45	24.12	612.65	24.00"	26.40"	24.40"
16	28.12	714.25	31.12	790.45	(609.60mm)	(670.56mm)	(619.76mm)
20	35.12	892.05	38.12	968.25			
24	42.12	1069.85	45.12	1146.05	30.00"	32.40"	30.40"
30	52.62	1336.55	55.62	1412.75	(762.00mm)	(822.96mm)	(772.16mm)
35	61.38	1559.05	64.38	1635.25			
40	70.12	1781.05	73.12	1857.25	36.00"	38.40"	36.40"
44	77.12	1958.85	80.12	2035.05	(914.40mm)	(975.36mm)	(924.56mm)

**SCOPE OF SUPPLY:** Basic cabinet includes: 1 x frame, 2 x mounting rails (pairs, with 10A clip nuts and panel screws), 1 x base, 1 x top panel, painted and assembled

## Ordering Information

Please contact our sales department at 770.496.4000 or via email at sales@optimastantron.com for specific model configurations.

## Standards Compliance

Optima Stantron's S-Series cabinet is compliant with the following specifications:

EIA • RS310 • IEC