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SmartRack 42U NEMA 12 (IP54) Standard-Depth Rack Enclosure Cabinet for Harsh Environments

MODEL NUMBER: **SR42UBEIS**



Description

The SmartRack 42U NEMA 12 (IP54) Standard-Depth Rack Enclosure Cabinet protects sensitive electronic equipment from harsh conditions that would overwhelm a typical rack enclosure, including falling dirt, dust, drips and splashes. It is ideal for use in factories, construction areas, utility plants, warehouses and other areas high in moisture, dust and debris. The enclosure has a NEMA 12 protection rating, which is equivalent to IP54. That means it can protect your equipment from falling dirt, dust, drips, splashes and accidental contact with personnel. The front and rear doors have ventilating louvers instead of open mesh. They also have a sealing gasket around the door frames. On the front door there are built-in dust filters. The filters are removable and they can be replaced with standard furnace filters - they're simple, inexpensive and effective. To compensate for the added air resistance of the filters, there are 12 large, high performance fans to the rear door. The fans pull air through the enclosure, from front to rear. The roof of the enclosure is sealed with a cap that keeps drips and falling dirt from getting inside the enclosure. Since the doors and top are sealed, cable access is provided through 6 cable ports - 2 in the roof, 2 below the rear door, and 2 in the unit floor. They allow cables to pass through, but they block the area around the cables maintaining the NEMA 12 protection. The cabinet has a Zone 4 seismic rating. That means the SR42UBEIS can withstand extreme movement and vibration, equivalent to the stress of a major earthquake. Even if it is used in an area where earthquakes are rare, the Zone 4 seismic rating is useful in any industrial setting. The enclosure may be subjected to extreme vibrations and movements produced by vehicles and machinery. The heavy-duty steel frame supports up to 3000 pounds. The large-diameter industrial casters also support up to 3000 pounds, which means you can move the enclosure fully loaded. This is useful where you can install all your equipment in a clean environment, close the enclosure and wheel it to the dirty environment with all your equipment already protected. After the enclosure is in place, the levelers allow you to compensate for minor floor variations and make sure everything is stable. If you need to build a data center in the middle of your factory floor, you can do it with this enclosure. It's perfect for locations like factories, power stations, construction areas, shipping facilities, warehouses, processing plants, transport hubs and anywhere you need to protect equipment in a harsh working environment.

Features

Highlights

- NEMA 12 (IP54) Protection
Rating: Sealed, locking cabinet protects against dust, dirt, drips and splashes
- Zone 4 Seismic Rating:
Heavy-duty, torsion-resistant construction withstands jolts and vibrations in harsh working environments
- Self-Sealing Cable Ports: Permit cable access while maintaining dust and moisture resistance
- Louvered Doors with Sealing Gaskets: Keep out drips, splashing water and falling debris
- Built-in Dust Filters: Are easy to remove and replace with standard off-the-shelf furnace filters
- 12 High-Performance Fans:
Maintain ample airflow to keep equipment cool

Package Includes

- SmartRack 42U NEMA 12 (IP54) Standard-Depth Rack Enclosure Cabinet
- (4) Side panels
- (4) Side panel locks
- (2) Keys for door and side panels
- (50) M6 screws
- (50) M6 cage nuts
- (50) M6 washers
- (1) Air filter
- (3) AC power cords
- Owner's Manual



- NEMA 12(IP54) protection rating allowing protection from falling dirt, dust, drips, splashes and accidental contact with personnel.
- Zone 4 Seismic Rating--can withstand extreme movement and vibrations of heavy and machinery and vehicles as well as the stress of a major earthquake
- Heavy duty steel frame supports 3000lbs
- Large diameter industrial casters supports 3000lbs which allows the enclosure to be moved fully loaded.
- Front and rear doors have ventilating louvers and a sealing gasket around the door frames.
- Built-in removable dust filters that can be replaced with standard furnace filters.
- 12 large, high-performance fans in rear door that pull air through the enclosure, from front to rear.
- 6 cable ports allow cable access while maintaining dust and moisture resistance.
- Accommodates all standard 19-inch rackmount equipment.
- Ships fully assembled for rapid deployment.
- Meets all enclosure requirements towards PCI DSS (Payment Card Industry Data Security Standard) Compliance

Specifications

INPUT	
Nominal Input Voltage(s) Supported	120V AC
Nominal Input Voltage Description	120V 50/60 Hz
Input Plug Features	NEMA 5-15P
Input Cord Length (ft.)	6
Input Cord Length (m)	1.8
PHYSICAL	
Rack Height (U Spaces)	42
Maximum Device Depth (in.)	37
Maximum Device Depth (cm)	94.0
Minimum Device Depth (in.)	4
Minimum Device Depth (cm)	10.16
Shipping Dimensions (hwd / in.)	86.5 x 26 x 45
Shipping Dimensions (hwd / cm)	219.7 x 66.04 x 114.3
Shipping Weight (lbs.)	352
Shipping Weight (kg)	159.66
Unit Dimensions (hwd / in.)	79.8 x 23.63 x 43
Unit Dimensions (hwd / cm)	202.692 x 60.02 x 109.22
Unit Weight (lbs.)	310
Unit Weight (kg)	140.6
Color	Black
Weight Capacity - Stationary (lbs.)	3000



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Weight Capacity - Rolling (lbs.)	3000
Weight Capacity - Stationary (kg)	1360.8
Weight Capacity - Rolling (kg)	1360.8
Factory Preset Rack Depth (in.)	27.75
Factory Preset Rack Depth (cm)	70.49
ENVIRONMENTAL	
Audible Noise	59.8 dBA @ 3 METERS
CERTIFICATIONS	
Certifications	EIA/ECA-310-E and IP54 Standards, RoHS
Approvals	RoHS
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

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