SmartRack 42U Standard-Depth Rack Enclosure Cabinet for Harsh Environments

MODEL NUMBER: **SR42UBEIS**



Protects sensitive electronic equipment from harsh conditions that would overwhelm a typical rack enclosure, including falling dirt, dust, drips and splashes. Ideal for use in factories, construction areas, utility plants, warehouses and other areas high in moisture, dust and debris.

Description

The SmartRack 42U 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. 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 as well as fans. 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 on the front door. The fans effectively create positive air pressure within the rack, mimicking the same type of environment one would find within a commercial clean room. Positive air pressure prevents dust from penetrating even the smallest cracks of the enclosure. 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 protection.

The enclosure may be subjected to extreme vibrations and movements produced by vehicles and machinery. The heavy-duty steel frame supports up to 3000 lbs (1360.8 kgs). The large-diameter industrial casters also support up to 3000 lbs (1360.8 kgs), 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

- Protection from falling dirt, dust, drips, splashes and accidental contact with personnel.
- Can withstand extreme movement and vibrations of heavy machinery and vehicles
- Heavy duty steel frame supports 3000 lbs (1360.8 kgs)
- Large diameter industrial casters supports 3000 lbs (1360.8 kgs) which allows the enclosure to be moved fully loaded.

Highlights

- Sealed, locking cabinet protects against dust, dirt, drips and splashes
- 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
- Fans are designed to create a positive air pressure environment within the rack
- 12 High-Performance Fans: Maintain ample airflow to keep equipment cool

Package Includes

- SmartRack 42U 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
- (2) Air filter
- (3) AC power cords
- Owner's Manual

- 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 front 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

OVERVIEW	
UPC Code	037332159298
Device Compatibility	Patch Panel; Network Switch; UPS; Server
Rack Type	Enclosure
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)	1.83
PHYSICAL	
Color	Black
Rack Height	42U
Rack Depth	Standard
Factory Preset Rack Depth (in.)	27.75
Factory Preset Rack Depth (cm)	70.5
Factory Preset Rack Depth (mm)	705
Maximum Device Depth (cm)	93.98
Maximum Device Depth (in.)	37
Maximum Device Depth (mm)	940
Minimum Device Depth (cm)	10.16
Minimum Device Depth (in.)	4
Minimum Device Depth (mm)	102
Shipping Dimensions (hwd / in.)	86.50 x 26.00 x 49.00
Shipping Dimensions (hwd / cm)	219.71 x 66.04 x 124.46

Shipping Weight (lbs.)	451.94
Shipping Weight (kg)	205.00
Unit Dimensions (hwd / in.)	79.820 x 23.630 x 47.250
Unit Dimensions (hwd / cm)	202.742 x 60.02 x 120.015
Unit Weight (lbs.)	390
Unit Weight (kg)	176.90
Weight Capacity - Rolling (kg)	1,361
Weight Capacity - Rolling (lbs.)	3000
Weight Capacity - Stationary (kg)	1,361
Weight Capacity - Stationary (lbs.)	3000
Number of Vertical Mounting Rails	4
ENVIRONMENTAL	
Audible Noise	59.8 dBA @ 3 METERS
FEATURES & SPECIFICATIONS	
Built-in Cable Management	Yes
Extra Wide	No
Locking	No
Pre-Installed Casters	Yes
Outdoor Use	No
STANDARDS & COMPLIANCE	
Protection Rating	IP54
Product Compliance	RoHS; EIA/ECA-310-E
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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