

## 483 mm (19") SOUNDproof Racks



✓ Reduces noise from the inside

✓ Load capacity up to 1000 kg

✓ incl. fan modules

✓ Decorative wood decor

### Abstract

483 mm (19") SOUNDproof racks, 750 mm width - 1130 mm depth

### Features

- Safety class IP20
- Reduces noise from mounted equipment in the inside
- Sound emitting isolation material: 75-100 kg/m<sup>3</sup>, non-flammable (BS 476 Part 6 Class 0, Part 7 Class 1), Halogen free, anti-fungus, covered at all doors and panels, in between the double skins and internal side of the inner skins
- Noise level reduction to 18-21 dB, measured from one meter distance to the enclosure
- Wood decor on front doors and top cover (melamine coated chipboard)
- Top has 30 mm strength and is fixed from the inside of the cabinet
- Wood decor available as maple-, teak-, walnut-, oak-, or cherry
- Metal parts in color black (RAL 9005)
- Double wing opening front door (18 mm strong melamine coated chipboard) with decorative handles and barrel locking mechanism on top
- 180° door opening angle on front door; 120° door opening angle on rear door
- Single wing opening rear door with lockable pivot lever and hot air exhaust openings
- 1-point locking mechanism on all doors
- Rear door carrying 3-way fan module integration area (fan modules included in delivery content)
- Included 3-way fan module integration areas: 1x (17U), 2x (32U), 3x (42U)
- Silent fan ventilation system, max. 29-30 dB, with adjustable thermostat
- Average air flow of a single fan: 106.8 m<sup>3</sup>/h (based on empty, unequipped rack)
- Side panels lockable and removable (narrow panels on the rear left and right)
- 483 mm (19") profile rails mounted on the front- and rear side inside of the rack, galvanized
- 483 mm (19") profile rails are adjustable in depth and with height unit marking
- Load capacity of 483 mm (19") profile rails: 1000 kg
- Sliding cable entry with rubber sealing on the base
- Integrated cable management rings (88x60 mm) in the front left and right (17U= 3+3 pieces, 32U= 7+7 pieces, 42U= 9+9 pieces)
- Brushed cable passage openings between the cable management rings (70x145 mm)
- Delivery incl. plinth, leveling feet and castors

## Product Overview

The SOUNDproof racks are designed to perform the absorption of the created noise from the active equipments mounted inside the rack. With this superior sound reduction and its wood decor available as maple, teak, walnut, oak, cherry or beech version, it fits perfectly to the office environment.

Thus, this product range is developed for various offices, banks hospitals, laboratories, hotels or conference rooms. The SOUNDproof racks are equipped with a silent fan ventilation system, max. 29-30 dB noise level, to support the main activity of noise reduction performance. The general noise level reduction goes to 18-21 dB, measured from one meter distance to the enclosure. There are cable management rings and brushed cable passage openings in the front left and right. The racks are available in 17U, 32U and 42U with a width 750 mm and a depth of 1130 mm.

## Standards and Compliances

|                 |                                                                                       |
|-----------------|---------------------------------------------------------------------------------------|
| ISO 9001:2008   | Quality Management System                                                             |
| EN 61587-1:2012 | Mechanical Structures for Electronic Equipment                                        |
| IEC 297-1       | 19" mounting                                                                          |
| IEC 297-2       | Overall cabinet dimensions                                                            |
| EN 60950-1:2006 | CE conform; Information Technology Equipment - Safety - Part 1 - General Requirements |
| ISO 14001       | Environmental Management System                                                       |
| EN 14322        | Wood-based panels                                                                     |

- RoHS compliancy

- 100% recyclable material

## Logistic Information

| Item code      | Height unit (U) | Product dimensions (HxWxD) in mm | Packaging dimensions (HxWxD) in mm | Net weight in kg | Gross weight in kg |
|----------------|-----------------|----------------------------------|------------------------------------|------------------|--------------------|
| DN-19 17U-SO-x | 17U             | 1000x750x1130 mm                 | 1120x820x1200 mm                   | 138 kg           | 152 kg             |
| DN-19 32U-SO-x | 32U             | 1609x750x1130 mm                 | 1787x820x1200 mm                   | 165 kg           | 183 kg             |
| DN-19 42U-SO-x | 42U             | 2053x750x1130 mm                 | 2231x820x1200 mm                   | 210 kg           | 228 kg             |

## Product Number Information

| Item code      | Color code (please replace the "x" with your color of choice) |
|----------------|---------------------------------------------------------------|
| DN-19 17U-SO-x | Maple (M); Teak (T), Walnut (W); Oak (O); Cherry (C)          |
| DN-19 32U-SO-x |                                                               |
| DN-19 42U-SO-x |                                                               |



Maple



Teak



Walnut



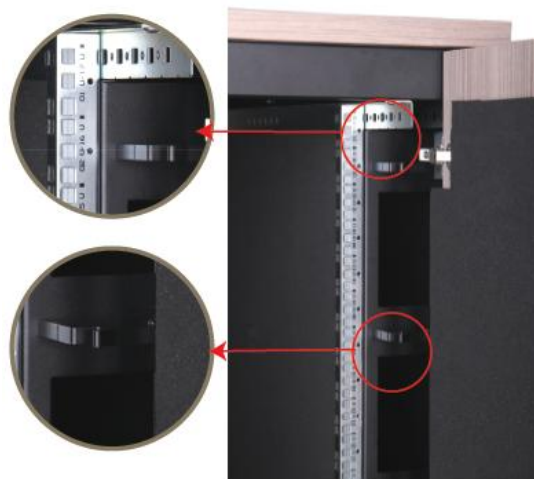
Oak



Cherry

## Product Images

### 17U SOUNDproof Racks & Detail Views



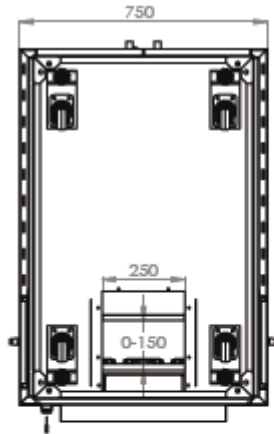
## Sound Performance

| 8 Servers in a Standard Cabinet |  |  | 8 Servers in a SOUNDproof Cabinet       |  |                  |
|---------------------------------|--|--|-----------------------------------------|--|------------------|
| 70dB                            |  |  | Sound Level of Vertical Driller         |  | 70dB             |
|                                 |  |  |                                         |  |                  |
|                                 |  |  |                                         |  |                  |
| 60dB                            |  |  | Normal Speech noise levels face to face |  | 60dB             |
|                                 |  |  |                                         |  |                  |
| 55dB                            |  |  |                                         |  |                  |
|                                 |  |  |                                         |  |                  |
| 50dB                            |  |  | office background noise level           |  | 50dB             |
|                                 |  |  |                                         |  |                  |
|                                 |  |  | SOUNDproof Cabinet                      |  |                  |
|                                 |  |  |                                         |  |                  |
|                                 |  |  |                                         |  |                  |
| 40dB Silent Room                |  |  |                                         |  | 40dB Silent Room |
|                                 |  |  |                                         |  |                  |

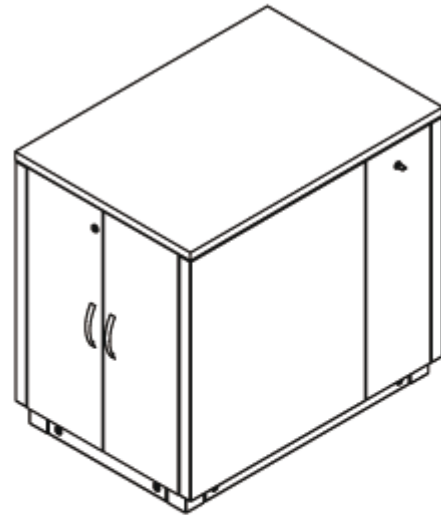
18-21 dB noise level reduction from 1 meter distance to the enclosure

## Technical Drawings

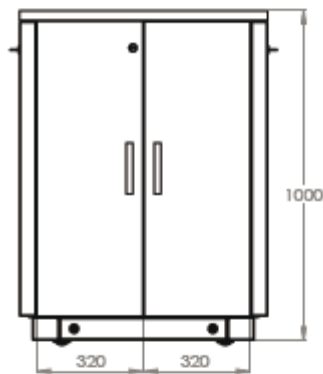
DN-19 17U-SO-x (17U SOUNDproof racks)



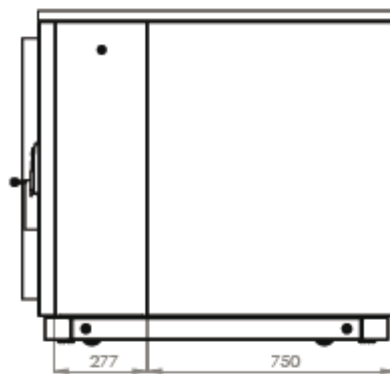
BOTTOM VIEW



ISOMETRIC VIEW



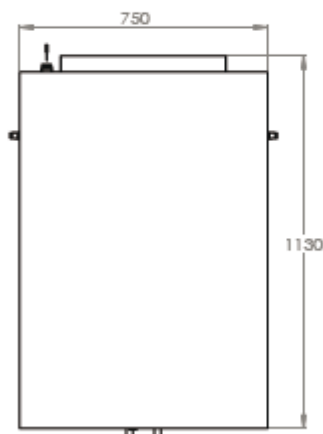
FRONT VIEW



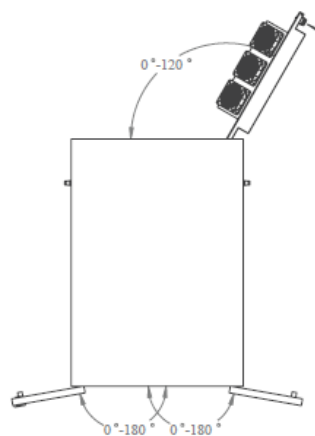
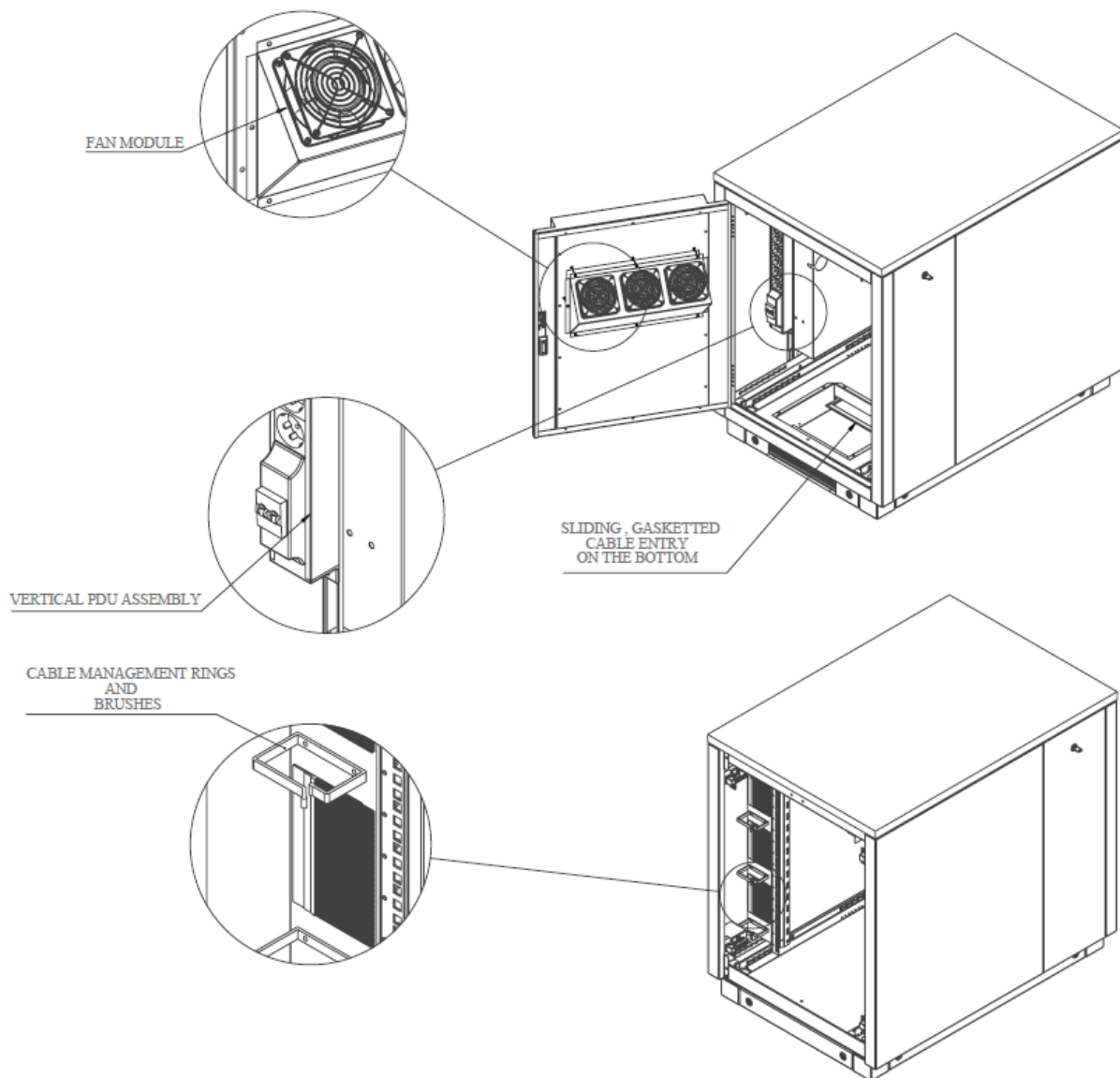
SIDE VIEW



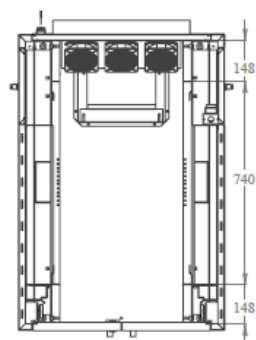
REAR VIEW



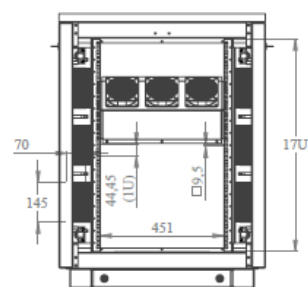
TOP VIEW



FRONT DOOR  
OPENING ANGLE

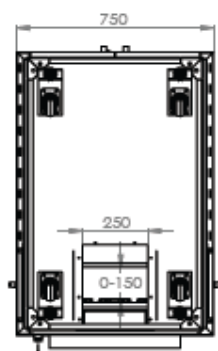


EQUIPMENT  
MOUNTING DISTANCE

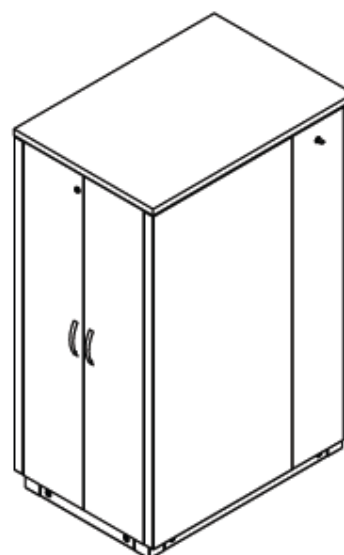


DIMENSIONS IN  
WIDTH AND HEIGHT

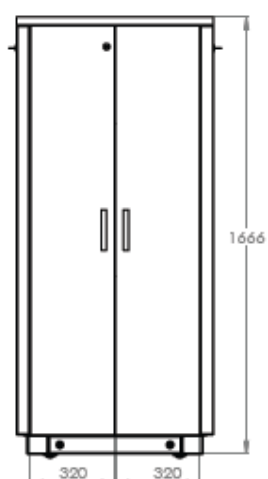
## DN-19 32U-SO-x (32U SOUNDproof racks)



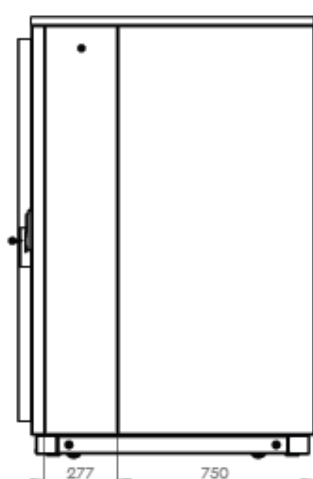
BOTTOM VIEW



ISOMETRIC VIEW



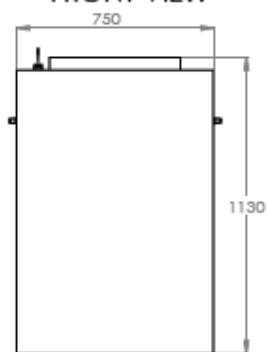
FRONT VIEW



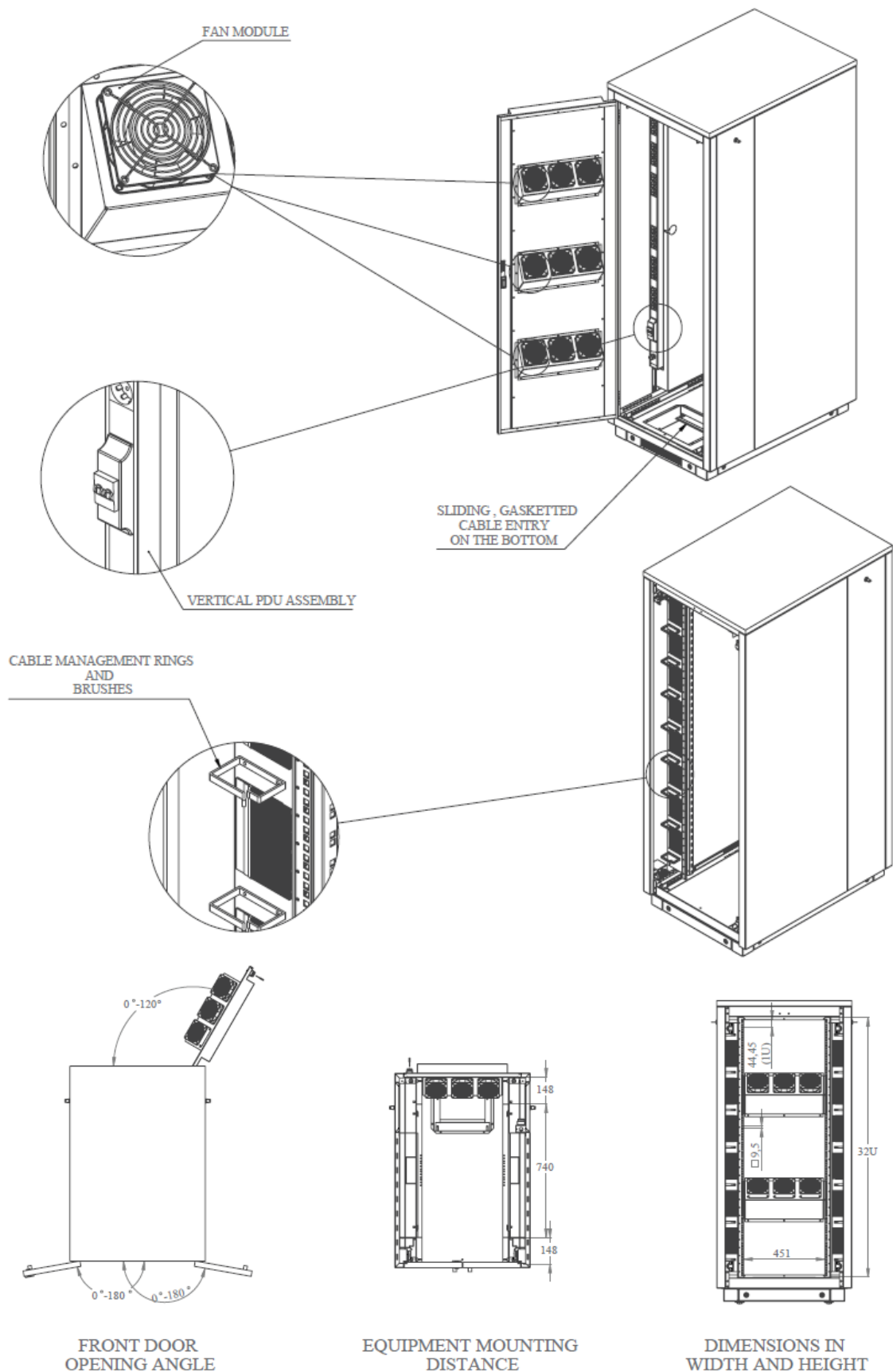
SIDE VIEW



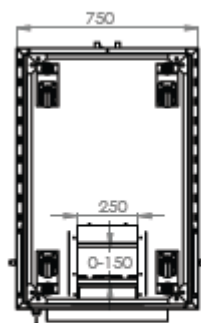
REAR VIEW



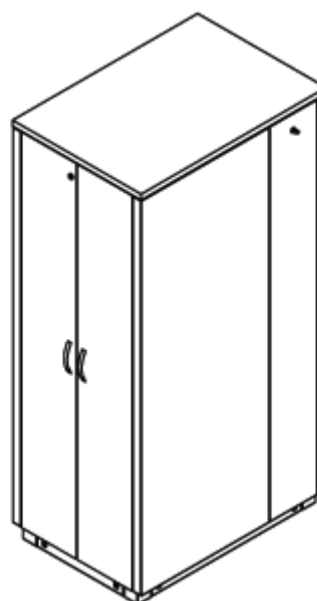
TOP VIEW



DN-19 42U-SO-x (42U SOUNDproof racks)



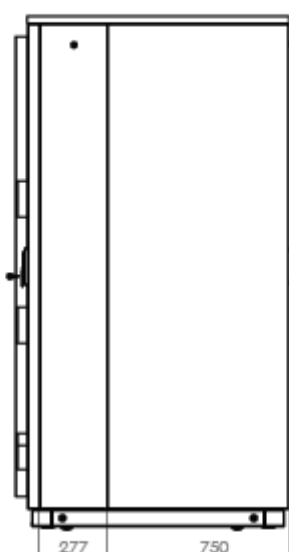
BOTTOM VIEW



ISOMETRIC VIEW



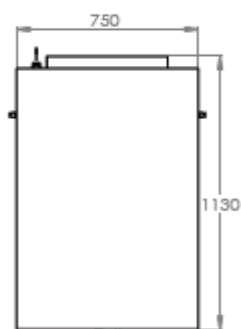
FRONT VIEW



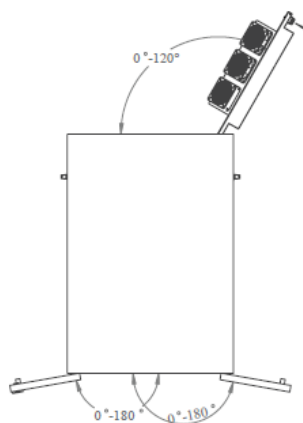
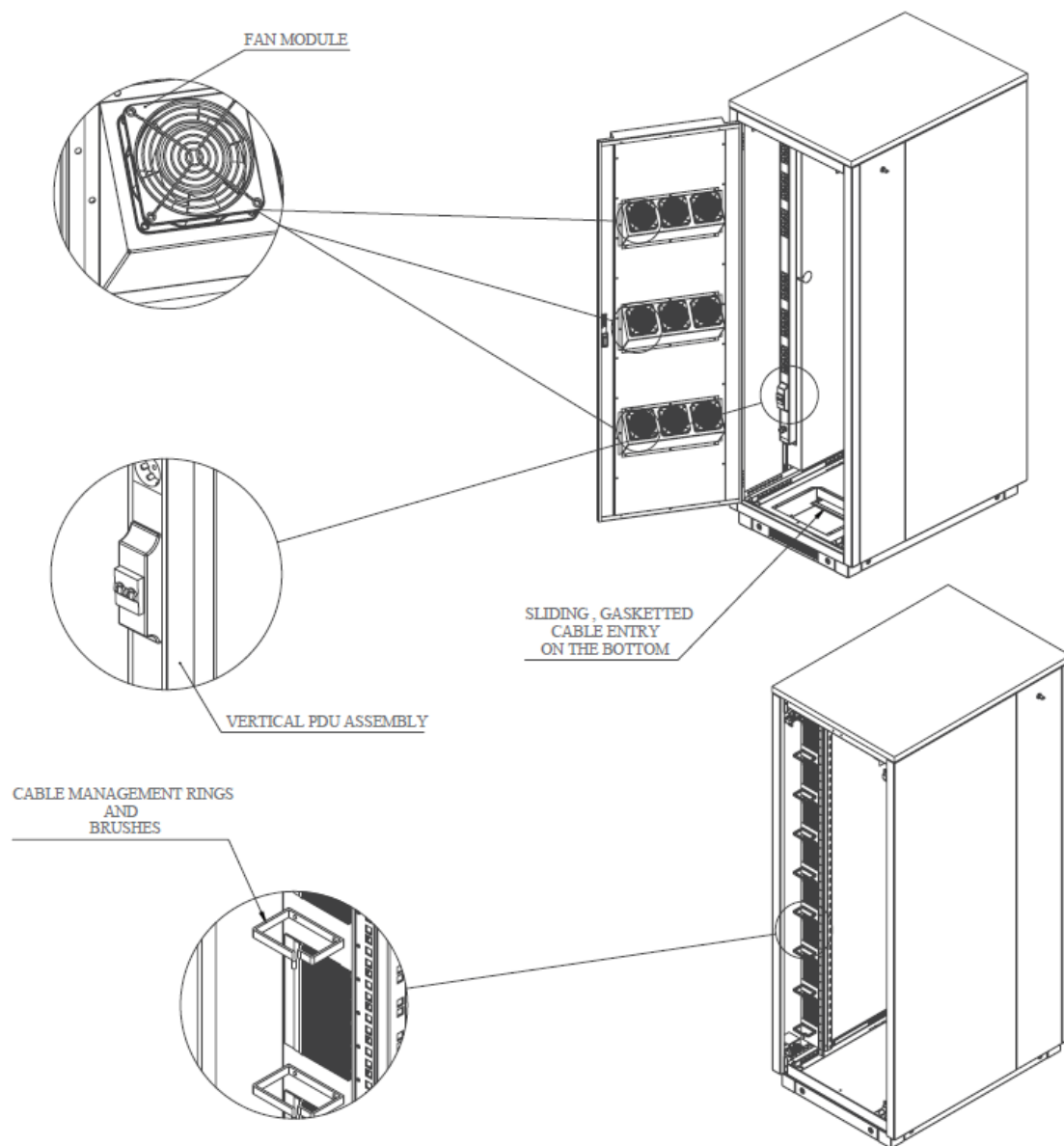
SIDE VIEW



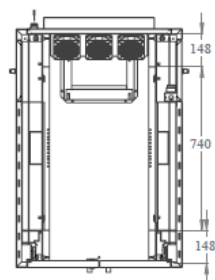
REAR VIEW



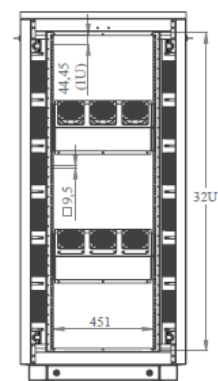
TOP VIEW



FRONT DOOR  
OPENING ANGLE



EQUIPMENT MOUNTING  
DISTANCE



DIMENSIONS IN  
WIDTH AND HEIGHT