

OmniReach® Flexcab™ Metal Cabinet



Description

The OmniReach® Flexcab™ multi-functional metal cabinets accommodate passive fiber and copper connectivity as well as electronic equipment.

These unique cabinets can be individually customized to meet the network's exact requirements. Some of these customized features include

- Number and placement of doors
- Scalable dimensions (height, width and depth)
- Additional side-compartments
- Divisible cabinet and base with separate access
- Passive or active climatisation

Because the cabinet's height, depth and width can be customized, the customer can match a specific location and minimize the amount of street space that might otherwise be required.

The product family allows very flexible configuration in the field:

- Single cabinet installations
- Side-by-side placement of several cabinets
- Expansion of in-service cabinets
- Over-build of existing passive cabinets

Flexcab cabinets support special outdoor requirements such as weather-protection (heat, cold, moisture, water), protection against burglary, etc.

Features and Benefits

- Double wall construction for improved heat removal
- Outer walls made of double-walled aluminum
- Inner construction consists of powder-coated aluminum
- 19-inch stainless steel frames for equipment mounting
- Aperture angle of the doors up to 170° or 140°
- Hinges and all screws inaccessible from outside
- Can be used to over-build previously installed cross-connect cabinets
- Burglar resistance (according to WK2 security standards)
- Removable cabinet body without interruption of service
- Removable (divisible) cabinet base (allows replacement in case of damage due to violence)
- Cabinet can be expanded in the field, with one continuous internal compartment or separate compartment access

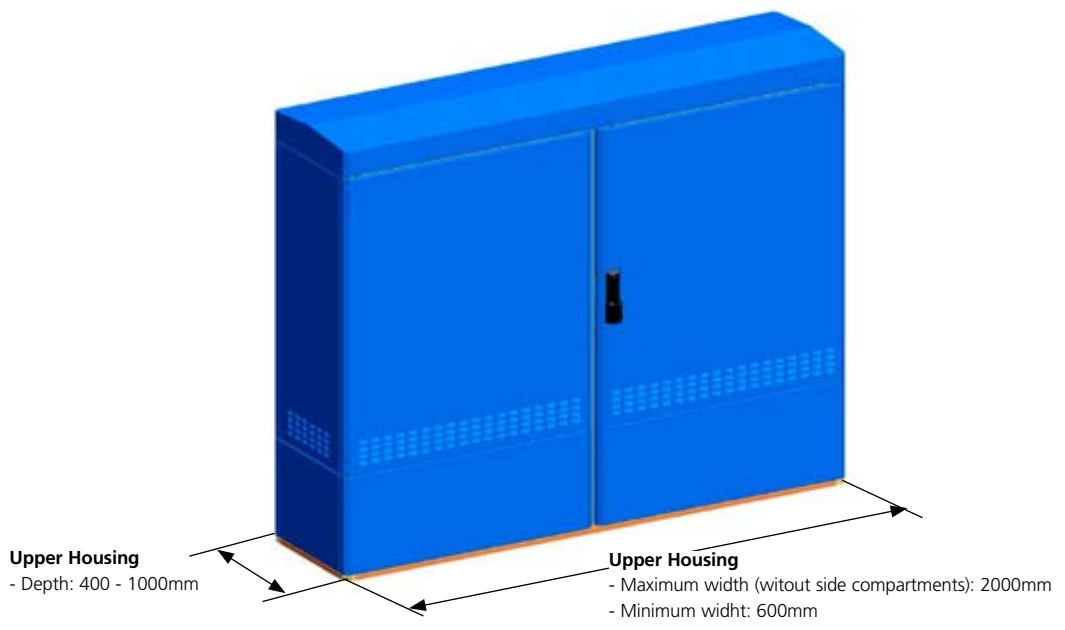
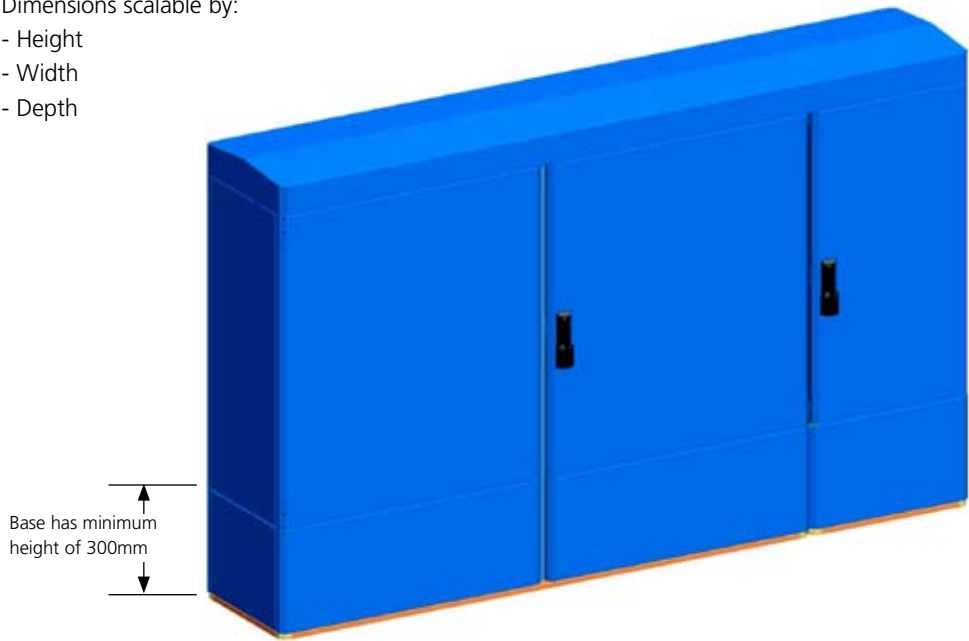
SPEC SHEET

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Dimensions scalable by:

- Height
- Width
- Depth

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Climatisation

Passive climatisation:

Strong enhanced air channel between roof and wall

Enhanced air outlet

Enhanced air inlet

Active climatisation:

a) Roof fan:

Fans in the roof increase air speed in space between outer and inner wall

Increased heat removal

No ingress of dust or humidity into IP 55-protected compartment

b) Fan/ Filter systems

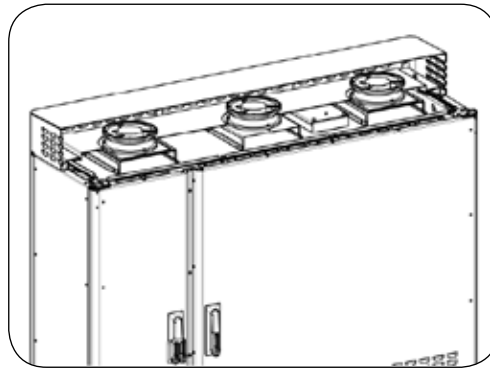
c) Air to air heat exchanger

d) Air conditioner

Cabinet offers high cooling-capacity

The metal cabinet has an enhanced passive air outlet due to the double wall construction and an optimized air flow at the intermediate wall.

The air outlet also can be operated by active climatisation devices. All these devices are installed in the roof of the cabinet. An exchange and upgrade of the climatisation system can be achieved very easily.



Standards Compliance

- Electrical safety EN60950.
- Storage DIN EN300019-1-1 class 1.2
- Transportation DIN EN 300019-1-2 class 2.3
- Operation DIN EN 300019-1-4 class 4.1 und 4.1E
- Noise ETS 300753 class 3.4/ 3.5
- Protection IP55 EN 60529 (cabinet body)
- Protection IP43 EN 60529 (cabinet base)
- Burglar resistance WK2 ENV 1627
- Stability IEC 61587-1 class IK 10, DIN 47 609
- Mechanical load EN 60439-5
- Corrosion IEC60950-22, IEC 60068-2-11 Ka, DIN EN ISO6988
- RoHs and WEEE
- UL 94 VØ



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