FCA 19” Field Cabinet

IP-A1377580

ALUMINIUM | SINGLE BAY 19” RACK | VENTILATED IP55 IK10

1375H x 750W x 800D 19” 24U

Marine Grade Field Cabinets are designed to house sensitive data network and electrical equipment for a variety of heavy duty outdoor applications including road/traffic management and intelligent transport systems.

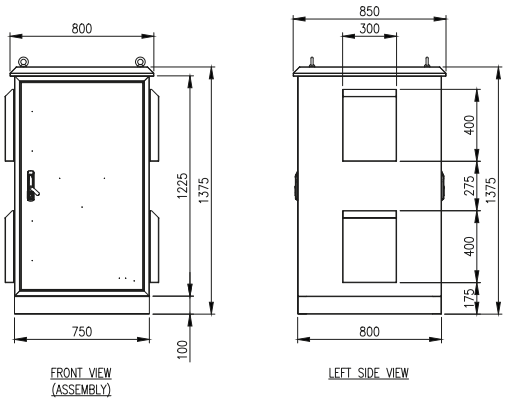
Protection: IP55 IK10

Standards (& Conformities): IEC/EN 60529, IEC/EN 62208, EIA-310-D, RoHS CE UKCA

Rack Unit Size: 24U

Material:
- Body and Plinth: 2.5mm Marine Grade Aluminium 5754-H111
- Doors: 2.5mm Marine Grade Aluminium 5754-H111
- 19” Data Rack Rails: 1.5mm galvanised steel sheet
- Gland Plate: 3.0mm aluminium
- Seal: Polyurethane

Body: The robust monoblock body is fabricated using 2.5mm marine grade aluminium. The body is fitted with rain hood/ sunshield, plinth, vent hoods and 4x lifting eye bolts. Flat face sealing surfaces are provided to increase seal life. A 3.0mm aluminium split gland plate is also incorporated into the bottom face. Four cutouts 125mm x 125mm are provided to house fans and filters and each are covered with removable vent hoods. Precision automated manufacturing equipment ensures accuracy and consistent high quality. Fans and filters are ordered separately.

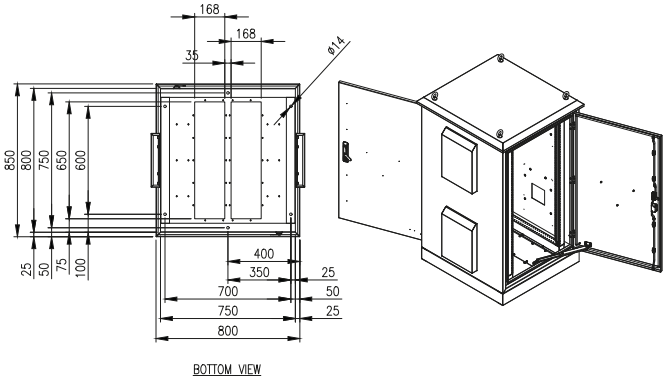


Doors: The front and rear doors are fabricated using 2.5mm marine grade aluminium and are designed to provide flush recessed mounting to prevent vandalism and unauthorised access. The doors incorporate concealed removable hinges with captive pins. They are designed for a 110° opening and are provided with heavy duty door stays.

19″ Data Rack Rails: Front and rear 19″ data rack rails are fabricated from 1.5mm galvanised steel sheet.

Seals: A high quality Polyurethane foamed in place (FIP) full perimeter door seals provide excellent sealing over a long life. Temperature resistance -40°C to 80°C.

Locks: Each door includes a 3 point locking system with key-lock swing handle. Optional locking including half euro keyed as required, restricted keys, Bilock and stainless steel padlockable.



Gland Plate: 3.0mm aluminium split gland plates are incorporated into the bottom of the enclosure for cable management.

Surface Treatment: UL approved AkzoNobel polyester powder coated with a smooth gloss finish, 80-120 micron average thickness, providing excellent exterior durability and colour retention. Colour RAL7035 Grey.

Mass: 77.4Kg.

© IP Enclosures 2025

FCA 19” Field Cabinet

IP-A1377580

ALUMINIUM | SINGLE BAY 19” RACK | VENTILATED IP55 IK10

1375H x 750W x 800D 19” 24U

ACCESSORIES:

Part Number	Description
IP-FCSHH7580	Heavy Duty Shelf to suit 750W x 800D Field Cabinet; 250Kg.
IP-FCDRAWER800	Laptop Drawer to suit 750W x 800D Field Cabinet; 25Kg.
IP-M6SCREW-CAGENUT	M6 Cage Nut & Screw (Pack of 50)
IP-FCASR7580	Aluminium Solar Roof to suit 750W x 800D Aluminium Field Cabinet
IP-L014	3 Point Swing Handle Padlockable; Polyamide & Cast Alloy Coated Black
IP-L076	3 Point Swing Handle Padlockable; Cast Alloy Coated Black

CERTIFICATES:

IEC 60529 Degrees of protection provided by enclosures: Certificate AB-0386-T 2009.33.02/00
IEC/EN 62208 Empty Enclosures for low-voltage switchgear and controlgear assemblies: Certificate 0366932-TSE-01/01
CE Certificate of Compliance: Certificate SZL-21 MA 13338-1
UKCA Certificate of Compliance: Certificate SZU-22 MA 19560-1

Products are manufactured to Quality, Safety and Environmental Standards.

WARRANTY: 5 years.

© IP Enclosures 2025