# PRODUCT BROCHURE

Infrastructure Field Cabinets

IP Enclosures®

# Mounted Infrastructure Field Cabinets    FC

## Steel | Powder Coated

**SINGLE DOOR | IP66**

Pole-mounted field cabinets house sensitive data network and electrical equipment for heavy duty outdoor applications including road/traffic management and intelligent transport systems.

# Features & Specifications

**Pole-Mounted infrastructure field cabinets are designed to house sensitive data network and electrical equipment for a variety of outdoor applications.**

**Protection:** IP66 (Non-Ventilated range); IP55 (Ventilated Range)

**Standard:** IEC62208, IEC/EN/AS60529, EIA-310-D, RoHS $C\epsilon$ UK CA

**Material:**
- Body: 1.5mm galvanised steel sheet
- Door: 2.0mm galvanised steel sheet
- 19" Data Rack Rails: 1.5mm galvanised steel sheet
  (IP-706032 & IP-706032-0 only)
- Enclosure Seal: Polyurethane

**Body:** The robust monoblock body is fabricated using 1.5mm galvanised steel sheet. Flat face sealing surfaces increase seal life. Pre-fitted blind nutserts are incorporated to accommodate pole mount bracket to eliminate drilling and retain IP rating. Integral device plate mounts and M6 earth stud are included. Fan/filter cutouts and hinged vent hoods are provided as standard. Non-ventilated option is also available. (Fans and filters are ordered separately).

**Door:** The front door is fabricated using 2.0mm galvanised steel sheet and is designed to provide flush recessed mounting to prevent vandalism and unauthorised access. The door incorporates concealed removable hinges with captive pins. It is hinged on the left side and is provided with a heavy duty door stay. An A4 plan pocket is provided.

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

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

**Locks:** 3 point locking system with key-lock swing handle. Optional locking including half euro keyed as required, restricted keys, Bilock, etc.

**Surface Treatment:** UL approved epoxy polyester powder coated with a smooth finish. 80-120 micron average thickness. Colour RAL7035 Light Grey. RAL6005 Moss Green is also available upon request.

**Accessory:** Optional Pole Mount Bracket (One-piece, full height).
Optional Base: 600mm high base, flush to suit width and depth of field cabinet. Powder coated, colour RAL7035 Light Grey. RAL6005 Moss Green is also available upon request.

| Ventilated | Non-Ventilated | Description | Optional Pole Mount Bracket | Optional Base (600mm high) |
|---|---|---|---|---|
| Part Number/SKU | Part Number/SKU | U/RU H x W x D | Part Number/SKU | Part Number/SKU |
| IP-453522 | IP-453522-0 | 450H x 350W x 225D | IP-PMB45 | IP-FCBASE3522 |
| IP-654532 | IP-654532-0 | 650H x 450W x 325D | IP-PMB65 | IP-FCBASE4532 |
| IP-706032 | IP-706032-0 | 12RU x 600W x 325D | IP-PMB70 | IP-FCBASE6032 |

*Available in RAL6005 Moss Green upon request.*

# Mounted Infrastructure Field Cabinets   FCA

## Marine Grade Aluminium | Powder Coated

**SINGLE DOOR | IP66**



Marine grade aluminium pole-mounted field cabinets house sensitive data network and electrical equipment for outdoor applications including road/traffic management and intelligent transport systems.

# Features & Specifications

# FCA

**Marine grade aluminium pole-mounted infrastructure field cabinets are designed to house sensitive data network and electrical equipment for a variety of harsh outdoor applications.**

**Protection:** IP66 (Non-Ventilated range); IP55 (Ventilated Range)

**Standard:** IEC62208, IEC/EN/AS60529, EIA-310-D, RoHS  CE  UKCA

**Material:**
- Body: 2.5mm Marine Grade Aluminium 5754-H111
- Door: 2.5mm Marine Grade Aluminium 5754-H111
- 19" Data Rack Rails: 1.5mm galvanised steel sheet
  (IP-A706032 & IP-A706032-0 only)
- Enclosure Seal: Polyurethane

**Body:** The robust monoblock body is fabricated using 2.5mm marine grade aluminium. Flat face sealing surfaces increase seal life. Pre-fitted blind nutserts are incorporated to accommodate pole mount bracket to eliminate drilling and retain IP rating. Integral device plate mounts and M6 earth stud are included. Fan/filter cutouts and hinged vent hoods are provided as standard. Non-ventilated option is also available. (Fans and filters are ordered separately).

**Door:** The front door is fabricated using 2.5mm marine grade aluminium and is designed to provide flush recessed mounting to prevent vandalism and unauthorised access. The door incorporates concealed removable hinges with captive pins. It is hinged on the left side and is provided with a heavy duty door stay. An A4 plan pocket is provided.

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

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

**Locks:** 3 point locking system with key-lock swing handle. Optional locking including half euro keyed as required, restricted keys, Bilock, etc.

**Surface Treatment:** UL approved epoxy polyester powder coated with a smooth finish. 80-120 micron average thickness. Colour RAL7035 Light Grey. RAL6005 Moss Green is also available upon request.

**Accessory:** Optional Pole Mount Bracket (One-piece, full height). Optional Base: 600mm high base, flush to suit width and depth of field cabinet. Powder coated, colour RAL7035 Light Grey. RAL6005 Moss Green is also available upon request.

| Ventilated | Non-Ventilated | Description | Optional Pole Mount Bracket | Optional Base (600mm high) |
|---|---|---|---|---|
| Part Number/SKU | Part Number/SKU | U/RU H x W x D | Part Number/SKU | Part Number/SKU |
| IP-A453522 | IP-A453522-0 | 450H x 350W x 225D | IP-APMB45 | IP-AFCBASE3522 |
| IP-A654532 | IP-A654532-0 | 650H x 450W x 325D | IP-APMB65 | IP-AFCBASE4532 |
| IP-A706032 | IP-A706032-0 | 12RU x 600W x 325D | IP-APMB70 | IP-AFCBASE6032 |

*Available in RAL6005 Moss Green upon request.*

# Infrastructure Field Cabinets

<span style="color:gray">Steel | Powder Coated</span>

**FC**

**IP66 (NON-VENTILATED) | IP55 (VENTILATED)**

Field cabinets house sensitive data network and electrical equipment for heavy duty outdoor applications including road/traffic management and intelligent transport systems.

# Features & Specifications

**Infrastructure field cabinets are designed to house sensitive data network and electrical equipment for a variety of outdoor applications.**

**Protection:** IP66 (Non-Ventilated range); IP55 (Ventilated Range)

**Standard:** IEC62208, IEC/EN/AS60529, EIA-310-D, RoHS  CE  UK CA

**Material:**
– Body and Plinth: 2.0mm galvanised steel sheet
– Doors: 2.0mm galvanised steel sheet
– 19" Data Rack Rails: 1.5mm galvanised steel sheet
– Gland Plate: 3.0mm aluminium
– Enclosure Seal: Polyurethane

**Body:** The robust monoblock body is fabricated using 2.0mm galvanised steel. The body is fitted with rain hood/sunshield, plinth, vent hoods and 4 x lifting eye bolts. Flat face sealing surfaces are provided to increase seal life. A split gland plate is incorporated into the base. Four cutouts 125mm x 125mm are provided to house fans and filters and each are covered with removable vent hoods.

**Doors:** The front and rear doors are fabricated using 2.0mm galvanised steel sheet 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 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.

**Door Seals:** 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, etc.

**Gland Plate:** 3mm aluminium split gland plates are incorporated into the base.

**Surface Treatment:** UL approved epoxy polyester powder coated with a smooth finish. 80-120 micron average thickness. Colour RAL7035 Light Grey. RAL6005 Moss Green is also available upon request.

| Ventilated | Non-Ventilated | Description |
|---|---|---|
| Part Number/SKU | Part Number/SKU | U/RU H x W x D |
| IP-1077562 | IP-1077562-0 | 18U 1075H x 750W x 620D |
| IP-1077580 | IP-1077580-0 | 18U 1075H x 750W x 800D |
| IP-1377562 | IP-1377562-0 | 24U 1375H x 750W x 620D |
| IP-1377580 | IP-1377580-0 | 24U 1375H x 750W x 800D |
| IP-13775100 | IP-13775100-0 | 24U 1375H x 750W x 1000D |
| IP-1677562 | IP-1677562-0 | 30U 1675H x 750W x 620D |
| IP-1677580 | IP-1677580-0 | 30U 1675H x 750W x 800D |
| IP-16775100 | IP-16775100-0 | 30U 1675H x 750W x 1000D |
| IP-1977562 | IP-1977562-0 | 36U 1975H x 750W x 620D |
| IP-1977580 | IP-1977580-0 | 36U 1975H x 750W x 800D |
| IP-19775100 | IP-19775100-0 | 36U 1975H x 750W x 1000D |
| IP-2277562 | IP-2277562-0 | 42U 2275H x 750W x 620D |
| IP-2277580 | IP-2277580-0 | 42U 2275H x 750W x 800D |

*Available in RAL6005 Moss Green upon request.*

# Infrastructure Field Cabinets     FCA
## Marine Grade Aluminium | Powder Coated

**IP66 (NON-VENTILATED) | IP55 (VENTILATED) | OPTIONAL DOUBLE WALL**



Field cabinets house sensitive data network and electrical equipment for heavy duty outdoor applications including road/traffic management and intelligent transport systems.

# Features & Specifications

**Marine grade aluminium infrastructure field cabinets are designed to house sensitive data network and electrical equipment for a variety of outdoor applications.**

**Protection:** IP66 (Non-Ventilated range); IP55 (Ventilated Range)

**Standard:** IEC62208, IEC/EN/AS60529, EIA-310-D, RoHS  CE  UK CA

**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
– Enclosure 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 4 x lifting eye bolts. Flat face sealing surfaces are provided to increase seal life. A split gland plate is also incorporated into the base. Four cutouts 125mm x 125mm are provided to house fans and filters and each are covered with removable vent hoods.

**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 provided with heavy duty door stays.
NOTE: Double Wall option available. Refer to table below.

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

**Door Seals:** Polyurethane foamed in place. 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 etc.

**Gland Plate:** 3mm aluminium split gland plates are incorporated into the base.

**Surface Treatment:** UL approved epoxy polyester powder coated with a smooth finish. 80-120 micron average thickness. Colour RAL7035 Light Grey.
RAL6005 Moss Green is also available upon request.

| Ventilated | Non-Ventilated | Double Wall (Ventilated) | Description |
|---|---|---|---|
| Part Number/SKU | Part Number/SKU | Part Number/SKU | U/RU H x W x D |
| IP-A1077562 | IP-A1077562-0 | IP-A1077562-2 | 18U 1075H x 750W x 620D |
| IP-A1077580 | IP-A1077580-0 | IP-A1077580-2 | 18U 1075H x 750W x 800D |
| IP-A1377562 | IP-A1377562-0 | IP-A1377562-2 | 24U 1375H x 750W x 620D |
| IP-A1377580 | IP-A1377580-0 | IP-A1377580-2 | 24U 1375H x 750W x 800D |
| IP-A13775100 | IP-A13775100-0 | IP-A13775100-2 | 24U 1375H x 750W x 1000D |
| IP-A1677562 | IP-A1677562-0 | IP-A1677562-2 | 30U 1675H x 750W x 620D |
| IP-A1677580 | IP-A1677580-0 | IP-A1677580-2 | 30U 1675H x 750W x 800D |
| IP-A16775100 | IP-A16775100-0 | IP-A16775100-2 | 30U 1675H x 750W x1000D |
| IP-A1977562 | IP-A1977562-0 | IP-A1977562-2 | 36U 1975H x 750W x 620D |
| IP-A1977580 | IP-A1977580-0 | IP-A1977580-2 | 36U 1975H x 750W x 800D |
| IP-A19775100 | IP-A19775100-0 | IP-A19775100-2 | 36U 1975H x 750W x 1000D |
| IP-A2277562 | IP-A2277562-0 | IP-A2277562-2 | 42U 2275H x 750W x 620D |
| IP-A2277580 | IP-A2277580-0 | IP-A2277580-2 | 42U 2275H x 750W x 800D |

*Available in RAL6005 Moss Green upon request.*

# Infrastructure Field Cabinets

**FC**

## Steel | Powder Coated

**DOUBLE BAY | IP66 (NON-VENTILATED) | IP55 (VENTILATED)**



IP Enclosures infrastructure field cabinets are available in ventilated and non-ventilated double bay configurations.

**IP Enclosures Infrastructure field cabinets are available in ventilated and non-ventilated double bay configurations.**

## DOUBLE BAY

**Protection:** IP66 (Non-Ventilated range); IP55 (Ventilated range)

**Standard:** IEC62208, IEC/EN/AS60529, EIA-310-D, RoHS $CE$ $UK \ CA$

**Materials:**

– Body and Plinth: 2.0mm galvanised steel sheet
– Doors: 2.0mm galvanised steel sheet
– 19" Data Rack Rails: 1.5mm galvanised steel sheet
– Gland Plate: 3.0mm aluminium
– Enclosure Seal: Polyurethane

**Body:** The robust monoblock body is fabricated using 2.0mm galvanised steel. The body is fitted with rain hood/sunshield, plinth, vent hoods and 4 x lifting eye bolts. Flat face sealing surfaces are provided to increase seal life. A split gland plate is incorporated into the base. Four cutouts 125mm x 125mm are provided to house fans and filters and each are covered with removable vent hoods.

**Doors:** The front and rear doors are fabricated using 2.0mm galvanised steel sheet 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 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.

**Door Seals:** 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.

**Gland Plate:** 3mm aluminium split gland plates are incorporated into the base.

**Surface Treatment:** UL approved epoxy polyester powder coated with a smooth finish. 80-120 micron average thickness. Colour RAL7035 Light Grey. RAL6005 Moss Green is also available upon request.



*(Shelves not included)*

| Ventilated | Non-Ventilated | Description |
|---|---|---|
| **Part Number/SKU** | **Part Number/SKU** | **U/RU H x W x D** |
| IP-10715062 | IP-10715062-0 | 2 x 18U (36U) Field Cabinet 1075H x 1500W x 620D |
| IP-10715080 | IP-10715080-0 | 2 x 18U (36U) Field Cabinet 1075H x 1500W x 800D |
| IP-13715062 | IP-13715062-0 | 2 x 24U (48U) Field Cabinet 1375H x 1500W x 620D |
| IP-13715080 | IP-13715080-0 | 2 x 24U (48U) Field Cabinet 1375H x 1500W x 800D |
| IP-16715062 | IP-16715062-0 | 2 x 30U (60U) Field Cabinet 1675H x 1500W x 620D |
| IP-16715080 | IP-16715080-0 | 2 x 30U (60U) Field Cabinet 1675H x 1500W x 800D |

*\*Available in RAL6005 Moss Green upon request.*

# Infrastructure Field Cabinets
## Marine Grade Aluminium | Powder Coated

**FCA**

**DOUBLE BAY | IP66 (NON-VENTILATED) | IP55 (VENTILATED)**

Marine grade aluminium infrastructure field cabinets are available
in ventilated and non-ventilated double bay configurations.

# Features & Specifications

# FCA

**Marine grade aluminium infrastructure field cabinets are available in ventilated and non-ventilated double bay configurations.**

## DOUBLE BAY

**Protection:** IP66 (Non-Ventilated range); IP55 (Ventilated range)

**Standard:** IEC62208, IEC/EN/AS60529, EIA-310-D, RoHS  CE  UK CA

**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
– Enclosure 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 4 x lifting eye bolts. Flat face sealing surfaces are provided to increase seal life. A split gland plate is also incorporated into the base. Four cutouts 125mm x 125mm are provided to house fans and filters and each are covered with removable vent hoods.

**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 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.

**Door Seals:** Polyurethane foamed in place. Temperature resistance: -40°C to 80°C.

**Locks:** Each door includes a 3 point locking system with key-lock swing handle.

**Gland Plate:** 3mm aluminium split gland plates are incorporated into the base.

**Surface Treatment:** UL approved epoxy polyester powder coated with a smooth finish. 80-120 micron average thickness. Colour RAL7035 Light Grey. RAL6005 Moss Green is also available upon request.

NOTE: Double Wall option available. Refer to table below.



*(Shelves not included)*

| Ventilated | Non-Ventilated | Double Wall (Ventilated) | Description |
|---|---|---|---|
| Part Number/SKU | Part Number/SKU | Part Number/SKU | U/RU H x W x D |
| IP-A10715062 | IP-A10715062-0 | IP-A10715062-2 | 2 x 18U (36U) 1075H x 1500W x 620D |
| IP-A10715080 | IP-A10715080-0 | IP-A10715080-2 | 2 x 18U (36U) 1075H x 1500W x 800D |
| IP-A13715062 | IP-A13715062-0 | IP-A13715062-2 | 2 x 24U (48U) 1375H x 1500W x 620D |
| IP-A13715080 | IP-A13715080-0 | IP-A13715080-2 | 2 x 24U (48U) 1375H x 1500W x 800D |
| IP-A16715062 | IP-A16715062-0 | IP-A16715062-2 | 2 x 30U (60U) 1675H x 1500W x 620D |
| IP-A16715080 | IP-A16715080-0 | IP-A16715080-2 | 2 x 30U (60U) 1675H x 1500W x 800D |

*\*Available in RAL6005 Moss Green upon request.*

# Outdoor Field Cabinets

## Steel | Powder Coated

**FC**

**IP66 (NON-VENTILATED) | IP55 (VENTILATED) | IP33 (LOUVRED)**

IP Enclosures FC Range of 19" Outdoor Field Cabinets are designed for heavy duty outdoor applications to house sensitive data network and electrical equipment in harsh environments.

# Features & Specifications

IP Enclosures FC Range of 19" Outdoor Field Cabinets are designed for heavy duty outdoor applications to house sensitive data network and electrical equipment in harsh environments. They are suitable for a variety of outdoor applications including road and rail transport management systems and general data and network infrastructure applications.

**Protection:** IP66 IK10 NEMA 4 (Non-Ventilated), IP55 (Ventilated), IP33 (Louvred)

**Standard:** IEC62208, IEC/EN/AS60529, EIA-310-D  CE  UK CA

**Rack Unit Size:** 12U, 18U, 24U

**Material:**
– Body and Plinth: 2.0mm galvanised steel sheet
– Door: 2.0mm galvanised steel sheet
– 19" Data Rack Rails: 1.5mm galvanised steel sheet
– Gland Plate: 3.0mm aluminium
– Enclosure Seal: Polyurethane

**Body:** The robust monoblock body is fabricated using 2.0mm galvanised steel. The body is fitted with rain hood/sunshield and plinth. Flat face sealing surfaces are provided to increase seal life. A 3mm galvanised steel split gland plate is also incorporated into the bottom face.

**Base:** The base is 150mm high and fabricated using a 2.0mm galvanised steel sheet.

**Doors:** The door is fabricated using 2.0mm galvanised steel sheet and is designed to provide flush recessed mounting to prevent vandalism and unauthorised access. The door incorporates concealed removable hinges with captive pins. It is designed for a 110° opening and is 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.

**Seal:** A high quality full perimeter Polyurethane foamed in place (FIP) seal provides excellent sealing over a long life.

**Locks:** 8mm Square Grade 316 Stainless Steel.

**Surface Treatment:** UL approved epoxy polyester powder coated with a smooth finish. 80-120 micron average thickness. Colour RAL6005 Moss Green.

| Ventilated | Non-Ventilated | Louvred | Cabinet Size |
|---|---|---|---|
| Part Number/SKU | Part Number/SKU | Part Number/SKU | U/RU H x W x D (mm) |
| IP-12U6545-GRN | IP-12U6545-0-GRN | IP-12U6545-LVR-GRN | 12U IP66 19" 650W x 450D Outdoor Field Cabinet |
| IP-18U6545-GRN | IP-18U6545-0-GRN | IP-18U6545-LVR-GRN | 18U IP66 19" 650W x 450D Outdoor Field Cabinet |
| IP-18U6560-GRN | IP-18U6560-0-GRN | IP-18U6560-LVR-GRN | 18U IP66 19" 650W x 600D Outdoor Field Cabinet |
| IP-24U13060-GRN | IP-24U13060-0-GRN | IP-24U13060-LVR-GRN | 24U IP66 19" 650W x 600D Outdoor Field Cabinet |

# Outdoor Field Cabinets
## Steel | Powder Coated

**FC**

**DOUBLE BAY | IP66 (NON-VENTILATED) | IP55 (VENTILATED) | IP33 (LOUVRED)**



IP Enclosures FC Range of 19" Outdoor Field Cabinets are designed for heavy duty outdoor applications to house sensitive data network and electrical equipment in harsh environments.

## Features & Specifications

IP Enclosures FC Range of 19" Outdoor Field Cabinets are designed for heavy duty outdoor applications to house sensitive data network and electrical equipment in harsh environments. They are suitable for a variety of outdoor applications including road and rail transport management systems and general data and network infrastructure applications.

## DOUBLE BAY

**Protection:** IP66 IK10 NEMA 4 (Non-Ventilated), IP55 (Ventilated), IP33 (Louvred)

**Standard:** IEC62208, IEC/EN/AS60529, EIA-310-D CE UK CA

**Rack Unit Size:** 12U, 18U, 24U

**Material:**
– Body and Plinth: 2.0mm galvanised steel sheet
– Door: 2.0mm galvanised steel sheet
– 19" Data Rack Rails: 1.5mm galvanised steel sheet
– Gland Plate: 3.0mm aluminium
– Enclosure Seal: Polyurethane

**Body:** The robust monoblock body is fabricated using 2.0mm galvanised steel. The body is fitted with rain hood/sunshield and plinth. Flat face sealing surfaces are provided to increase seal life. A 3mm galvanised steel split gland plate is also incorporated into the bottom face.

**Base:** The base is 150mm high and fabricated using a 2.0mm galvanised steel sheet.

**Doors:** The door is fabricated using 2.0mm galvanised steel sheet and is designed to provide flush recessed mounting to prevent vandalism and unauthorised access. The door incorporates concealed removable hinges with captive pins. It is designed for a 110° opening and is 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.

**Seal:** A high quality full perimeter Polyurethane foamed in place (FIP) seal provides excellent sealing over a long life.

**Locks:** 8mm Square Grade 316 Stainless Steel.

**Surface Treatment:** UL approved epoxy polyester powder coated with a smooth finish. 80-120 micron average thickness. Colour RAL6005 Moss Green.

| Ventilated | Non-Ventilated | Louvred | Cabinet Size |
| --- | --- | --- | --- |
| Part Number/SKU | Part Number/SKU | Part Number/SKU | U/RU H x W x D (mm) |
| IP-2X12U6545-GRN | IP-2X12U6545-0-GRN | IP-2X12U6545-LVR-GRN | 2 x 12U (24U) IP66 19" 1300W x 450D Double Bay Outdoor Field Cabinet |
| IP-2X18U6560-GRN | IP-2X18U6560-0-GRN | IP-2X18U6560-LVR-GRN | 2 x 18U (36U) IP66 19" 1300W x 600D Double Bay Outdoor Field Cabinet |
| IP-2X24U13060-GRN | IP-2X24U13060-0-GRN | IP-2X24U13060-LVR-GRN | 2 x 24U (48U) IP66 19" 1300W x 600D Double Bay Outdoor Field Cabinet |

# Air Conditioned Field Cabinets

**FC**

## Steel | Powder Coated

IP Enclosures Air-Conditioned Field Cabinets are designed to house and cool sensitive data network and electrical equipment in harsh environments. They are rated IP55 and designed to prevent unauthorised access and vandalism while keeping contents cool to ensure protection in the toughest conditions.

# Features & Specifications

IP Enclosures FC range of steel powder coated air-conditioned field cabinets are designed to house and cool equipment in harsh environments. They are rated IP55 and designed to prevent unauthorised access while keeping contents cool by incorporating an internally-mounted air conditioner.
The air conditioner is housed in a separate compartment and is accessible via a recessed side door with louvered vent hood to enhance air flow.
The  cooled 19" rack compartment is rated to IP55, accessible via front and rear doors.

**Protection:** IP55 (Inside main 19" rack compartment)

**Standard:** IEC62208, IEC/EN/AS60529, EIA-310-D

**Material:**

– Body and Plinth: 2.0mm Galvanised steel sheet
– Doors: 2.0mm Galvanised steel sheet
– 19" Data Rack Rails: 1.5mm Galvanised steel sheet
– Gland Plate: 3.0mm Aluminium
– Enclosure Seal: Polyurethane

**Body:** The robust monoblock body is fabricated using 2.0mm galvanised steel sheet.  The body is fitted with rainhood, sunshield, plinth, nad 4 x 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. A segmented compartment is provided to house the air conditioner.

**Door**s: The front, rear, and side doors are fabricated using 2.0mm galvanised steel sheet 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:** High quality Polyurethane foamed in place (FIP) full perimeter door seals.

**Locks:** Each door includes a 3-point locking system with key-lock swing handle.

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

**Surface Treatment:** UL approved epoxy polyester powder coated with a smooth finish. 80-120 micron average thickness. Colour RAL7035 Light Grey.
RAL6005 Moss Green is also available upon request.

**Air Conditioner:**
IP Enclosures SAA approved compact air conditioners are designed for the cooling needs of outdoor electrical cabinets. They have been designed for high efficiency and low maintenance and include a condenser fan controller and pressure controller for the compressor.

**Standards:** AS/NZS 60335.2.40:2019, AS/NZS 60335.1:2020.

**Approval Marks:** SAA203165

| Ventilated | Description |
| --- | --- |
| Part Number/SKU | U/RU H x W x D |
| IP-1079062-ACO35 | 18U IP55 Field Cabinet 1075H x 900W x 620D for 0.35kW Air Conditioner |
| IP-1379062-ACO85 | 24U IP55 Field Cabinet 1375H x 900W x 620D for 0.85kW Air Conditioner |
| IP-1679080-AC145 | 30U IP55 Field Cabinet 1675H x 900W x 800D for 1.45kW Air Conditioner |
| IP-1979080-AC145 | 36U IP55 Field Cabinet 1975H x 900W x 800D for 1.45kW Air Conditioner |
| IP-2279080-AC200 | 42U IP55 Field Cabinet 2275H x 900W x 800D for 2.00kW Air Conditioner |

*Available in RAL6005 Moss Green upon request.*

# Air Conditioned Field Cabinets

## Marine Grade Aluminium | Powder Coated

# FCA



IP Enclosures Air-Conditioned Field Cabinets are designed to house and cool sensitive data network and electrical equipment in harsh environments. They are rated IP55 and designed to prevent unauthorised access and vandalism while keeping contents cool to ensure protection in the toughest conditions.

# Features & Specifications

IP Enclosures FC range of marine grade aluminium powder coated air conditioned field cabinets are designed to house and cool equipment in harsh environments. They are rated IP55 and designed to prevent unauthorised access while keeping contents cool by incorporating an internally-mounted air conditioner. The air conditioner is housed in a separate compartment and is accessible via a recessed side door with louvered vent hood to enhance air flow. The cooled 19" rack compartment is rated to IP55, accessible via front and rear doors.

**Protection:** IP55 (Inside main 19" rack compartment)

**Standard:** IEC62208, IEC/EN/AS60529, EIA-310-D  CE  UKCA

**Material:**
– Body and Plinth: 2.5mm Marine Grade Aluminium sheet
– Doors: 2.5mm Marine Grade Aluminium sheet
– 19" Data Rack Rails: 1.5mm Galvanised steel sheet
– Gland Plate: 3.0mm Aluminium
– Enclosure Seal: Polyurethane

**Body:** The robust monoblock body is fabricated using 2.0mm galvanised steel sheet. The body is fitted with rainhood, sunshield, plinth, nad 4 x 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. A segmented compartment is provided to house the air conditioner.

**Door**s: The front and rear doors are fabricated using 2.0mm galvanised steel sheet 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:** High quality Polyurethane foamed in place (FIP) full perimeter door seals.

**Locks:** Each door includes a 3-point locking system with key-lock swing handle.

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

**Surface Treatment:** UL approved epoxy polyester powder coated with a smooth finish. 80-120 micron average thickness. Colour RAL7035 Light Grey.
RAL6005 Moss Green is also available upon request.

**Air Conditioner:**
IP Enclosures SAA approved compact air conditioners are designed for the cooling needs of outdoor electrical cabinets. They have been designed for high efficiency and low maintenance and include a condenser fan controller and pressure controller for the compressor.

**Standards:** AS/NZS 60335.2.40:2019, AS/NZS 60335.1:2020.

**Approval Marks:** SAA203165

| Ventilated | Description |
|---|---|
| Part Number/SKU | U/RU H x W x D |
| IP-A1079062-ACO35 | 18U IP55 Aluminium Field Cabinet 1075H x 900W x 620D for 0.35kW Air Conditioner |
| IP-A1379062-ACO85 | 24U IP55 Aluminium Field Cabinet 1375H x 900W x 620D for 0.85kW Air Conditioner |
| IP-A1679080-AC145 | 30U IP55 Aluminium Field Cabinet 1675H x 900W x 800D for 1.45kW Air Conditioner |
| IP-A1979080-AC145 | 36U IP55 Aluminium Field Cabinet 1975H x 900W x 800D for 1.45kW Air Conditioner |
| IP-A2279080-AC200 | 42U IP55 AluminiumField Cabinet 2275H x 900W x 800D for 2.00kW Air Conditioner |

*Available in RAL6005 Moss Green upon request.*

# Accessories
## Infrastructure Field Cabinets

### Fixed Shelf Kits

Fixed shelf kits have many uses and can be used for component storage and battery storage. Shelves are ventilated. They are provided with fasteners and can be easily fitted without drilling.

**Material:** Galvanised steel sheet.

**Surface Treatment:** UL approved epoxy polyester powder coated with a textured finish. 80-120 micron average thickness. Colour RAL7035.

| Part Number/SKU | Description | Shelf Rating |
|---|---|---|
| IP-FCSHL7562 | Light Duty Shelf to suit 750W x 620D Field Cabinet | 50kg |
| IP-FCSHH7562 | Heavy Duty Shelf to suit 750W x 620D Field Cabinet | 250kg |
| IP-FCSHH7580 | Heavy Duty Shelf to suit 750W x 800D Field Cabinet | 250kg |

*Available in RAL6005 Moss Green upon request.*

### Sliding Shelf Kits (Laptop Drawers)

Sliding shelf kits (Laptop drawer kits) are provided assembled complete with 4 screws for fast and easy fitting without drilling.

**Material:** Galvanised steel sheet.

**Surface Treatment:** UL approved epoxy polyester powder coated with a textured finish. 80-120 micron average thickness. Colour RAL7035.

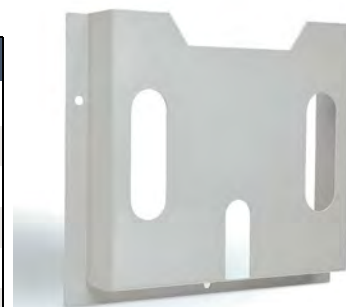| Part Number/SKU | Description | Shelf Rating |
|---|---|---|
| IP-FCDRAWER620 | Laptop Drawer to suit 750W x 620D Field Cabinet | 25kg |
| IP-FCDRAWER800 | Laptop Drawer to suit 750W x 800D Field Cabinet | 25kg |

*Available in RAL6005 Moss Green upon request.*

### General Accessories

Device mounting plates, document storage pockets and cage nuts:

| Part Number/SKU | Description |
|---|---|
| IP-12RUDP | 12U Rack Mounted Device Mounting Plate |
| IP-18RUDP | 18U Rack Mounted Device Mounting Plate |
| IP-13762DP | Device Plate for 1375H x 620D Field Cabinet (Side Mount) |
| IP-16762DP | Device Plate for 1675H x 620D Field Cabinet (Side Mount) |
| IP-19762DP | Device Plate for 1975H x 620D Field Cabinet (Side Mount) |
| IP-FCPPA4 | A4 Document Storage Pocket |
| IP-M6SCREW-CAGENUT | M6 Cage Nut & Screw (Pack of 50) |

*Available in RAL6005 Moss Green upon request.*

# Accessories
## Infrastructure Field Cabinets

### Pedestal Bases

Pedestal Bases are available to suit pole-mounted field cabinets. This enables pole-mounted field cabinets to be floor-mounted.

**Material:** Galvanised steel sheet | Marine grade aluminium

**Surface Treatment:** UL approved epoxy polyester powder coated with a textured finish. 80-120 micron average thickness. Colour RAL7035.

| STEEL Part Number/SKU | ALUMINIUM Part Number/SKU | Description |
|---|---|---|
| IP-FCBASE3522 | IP-FCABASE3522 | 600H Pedestal Base to suit 350W x 225D Field Cabinet RAL7035 Grey |
| IP-FCBASE4532 | IP-FCABASE4532 | 600H Pedestal Base to suit 450W x 325D Field Cabinet RAL7035 Grey |
| IP-FCBASE6032 | IP-FCABASE6032 | 600H Pedestal Base to suit 600W x 325D Field Cabinet RAL7035 Grey |

*Available in RAL6005 Moss Green upon request.*

### Pole-Mount Brackets

Pole-Mount Brackets are provided with holes and fasteners to attach bracket to the encapsulated threaded nutserts in the back of the field cabinet.

**Material:** Galvanised steel sheet | Grade 304 Stainless Steel (For Aluminium Field Cabinets)

**Surface Treatment:** UL approved epoxy polyester powder coated with a textured finish. 80-120 micron average thickness.

| STEEL Part Number/SKU | 304SS (For Aluminium Field Cabinets) Part Number/SKU | Description |
|---|---|---|
| IP-PMB45 | IP-APMB45 | To suit 450H x 350W x 225D Field Cabinet |
| IP-PMB65 | IP-APMB65 | To suit 650H x 450W x 325D Field Cabinet |
| IP-PMB70 | IP-APMB70 | To suit 12U x 600W x 325D Field Cabinet |

*Available in RAL6005 Moss Green upon request.*