



PRODUCT BROCHURE

Infrastructure Field Cabinets

Mounted Infrastructure Field Cabinets

Steel | Powder Coated

FC

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  

Material:

- Body: 1.5mm galvanised steel sheet
- Door: 2.0mm galvanised steel sheet
- 19" Data Rack Rails: 1.5mm galvanised steel sheet (IP-706032-T33 & IP-706032-0-T33 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 nuts 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 T33 Smoke Blue.

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 T33. Refer to table for part number.



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-T33	IP-453522-0-T33	450H x 350W x 225D	IP-PMB45	IP-FCBASE3522
IP-654532-T33	IP-654532-0-T33	650H x 450W x 325D	IP-PMB65	IP-FCBASE4532
IP-706032-T33	IP-706032-0-T33	12RU x 600W x 325D	IP-PMB70	IP-FCBASE6032

Mounted Infrastructure Field Cabinets

Marine Grade Aluminium | Powder Coated

FCA

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

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  

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-T33 & IP-A706032-0-T33 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 T33 Smoke Blue.

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 T33. Refer to table for part number.



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-T33	IP-A453522-0-T33	450H x 350W x 225D	IP-APMB45	IP-AFCBASE3522
IP-A654532-T33	IP-A654532-0-T33	650H x 450W x 325D	IP-APMB65	IP-AFCBASE4532
IP-A706032-T33	IP-A706032-0-T33	12RU x 600W x 325D	IP-APMB70	IP-AFCBASE6032

Mounted Infrastructure Field Cabinets FC-SS1

Stainless Steel Grade 316/316L (Optional 304)

SINGLE DOOR | IP66



Stainless Steel Pole-Mounted Field Cabinets are designed to house sensitive data network and electrical equipment for a variety of heavy duty outdoor applications including infrastructure, rail, road/traffic management and general industrial applications.

Features & Specifications

FC-SS1

Stainless Steel Field Cabinets include a device mounting plate, inner door escutcheon, 3 point locking, plan pocket, cutouts and vent hoods for fans and filters, and a matte finish to prevent glare and reflection.

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

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

Material:

- Body: 1.5mm Grade 316/316L Stainless Steel – Matte Finish
- Door & Inner Door: 1.5mm Grade 316/316L Stainless Steel (Matte Finish outer door)
- Device Mounting Plate: 1.5mm Galvanised Steel Sheet
- Seal: Polyurethane

Body: The robust monoblock body is fabricated using 1.5mm Grade 316/316L Stainless Steel. Flat face sealing surfaces are provided to increase seal life. Pre-fitted blind nutserts are incorporated to accommodate mounting to eliminate drilling and retain IP rating. Integral device plate mounts and M6 earth studs are provided. Fan/filter cutouts and vent hoods are provided as standard. (Fans and filters are ordered separately). Matte Finish (To provide an anti-glare, non-reflective finish).

Door & Inner Door: The robust surface mounted door is fabricated using 1.5mm Grade 316/316L Stainless Steel and incorporates concealed removable hinges with captive pins. It includes an M6 earth stud and a high quality machine-applied foamed in place (FIP) Polyurethane seal. A door stay is and an A4 plan pocket are provided with the outer door. An Inner Door is provided fitted. The outer door is provided with a Matte Finish (To provide an anti-glare, non-reflective finish).

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: The outer door includes a 3 point locking system with key-lock swing handle. The inner door includes a standard grade 316 stainless steel 8mm square quarter turn lock.

Device Mounting Plate: The device mounting plate is 1.5mm galvanised steel sheet. It is pressed to provide strength. It is pre-fitted into the enclosure as standard.



Ventilated	Non-Ventilated	Description
Part Number/SKU	Part Number/SKU	H x W x D
IP-SSFC603032	IP-SSFC603032-0	600H x 300W x 325D
IP-SSFC605032	IP-SSFC605032-0	600H x 500W x 325D
IP-SSFC805032	IP-SSFC805032-0	800H x 500W x 325D

Infrastructure Field Cabinets

Steel | Powder Coated

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  

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 T33 Smoke Blue.

Ventilated	Non-Ventilated	Description
Part Number/SKU	Part Number/SKU	U/RU H x W x D
IP-1077562-T33	IP-1077562-0-T33	18RU 1075H x 750W x 620D
IP-1077580-T33	IP-1077580-0-T33	18RU 1075H x 750W x 800D
IP-1377562-T33	IP-1377562-0-T33	24RU 1375H x 750W x 620D
IP-1377580-T33	IP-1377580-0-T33	24RU 1375H x 750W x 800D
IP-13775100-T33	IP-13775100-0-T33	24RU 1375H x 750W x 1000D
IP-1677562-T33	IP-1677562-0-T33	30RU 1675H x 750W x 620D
IP-1677580-T33	IP-1677580-0-T33	30RU 1675H x 750W x 800D
IP-16775100-T33	IP-16775100-0-T33	30RU 1675H x 750W x 1000D
IP-1977562-T33	IP-1977562-0-T33	36RU 1975H x 750W x 620D
IP-1977580-T33	IP-1977580-0-T33	36RU 1975H x 750W x 800D
IP-19775100-T33	IP-19775100-0-T33	36RU 1975H x 750W x 1000D
IP-2277562-T33	IP-2277562-0-T33	42RU 2275H x 750W x 620D
IP-2277580-T33	IP-2277580-0-T33	42RU 2275H x 750W x 800D



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  

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 T33 Smoke Blue.

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-T33	IP-A1077562-0-T33	IP-A1077562-2-T33	18RU 1075H x 750W x 620D
IP-A1077580-T33	IP-A1077580-0-T33	IP-A1077580-2-T33	18RU 1075H x 750W x 800D
IP-A1377562-T33	IP-A1377562-0-T33	IP-A1377562-2-T33	24RU 1375H x 750W x 620D
IP-A1377580-T33	IP-A1377580-0-T33	IP-A1377580-2-T33	24RU 1375H x 750W x 800D
IP-A13775100-T33	IP-A13775100-0-T33	IP-A13775100-2-T33	24RU 1375H x 750W x 1000D
IP-A1677562-T33	IP-A1677562-0-T33	IP-A1677562-2-T33	30RU 1675H x 750W x 620D
IP-A1677580-T33	IP-A1677580-0-T33	IP-A1677580-2-T33	30RU 1675H x 750W x 800D
IP-A16775100-T33	IP-A16775100-0-T33	IP-A16775100-2-T33	30RU 1675H x 750W x 1000D
IP-A1977562-T33	IP-A1977562-0-T33	IP-A1977562-2-T33	36RU 1975H x 750W x 620D
IP-A1977580-T33	IP-A1977580-0-T33	IP-A1977580-2-T33	36RU 1975H x 750W x 800D
IP-A19775100-T33	IP-A19775100-0-T33	IP-A19775100-2-T33	36RU 1975H x 750W x 1000D
IP-A2277562-T33	IP-A2277562-0-T33	IP-A2277562-2-T33	42RU 2275H x 750W x 620D
IP-A2277580-T33	IP-A2277580-0-T33	IP-A2277580-2-T33	42RU 2275H x 750W x 800D



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.

Features & Specifications

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  

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 T33 Smoke Blue.



(Shelves not included)

Ventilated	Non-Ventilated	Description
Part Number/SKU	Part Number/SKU	U/RU H x W x D
IP-10715062-T33	IP-10715062-0-T33	2 x 18RU (36RU) Field Cabinet 1075H x 1500W x 620D
IP-10715080-T33	IP-10715080-0-T33	2 x 18RU (36RU) Field Cabinet 1075H x 1500W x 800D
IP-13715062-T33	IP-13715062-0-T33	2 x 24RU (48RU) Field Cabinet 1375H x 1500W x 620D
IP-13715080-T33	IP-13715080-0-T33	2 x 24RU (48RU) Field Cabinet 1375H x 1500W x 800D
IP-16715062-T33	IP-16715062-0-T33	2 x 30RU (60RU) Field Cabinet 1675H x 1500W x 620D
IP-16715080-T33	IP-16715080-0-T33	2 x 30RU (60RU) Field Cabinet 1675H x 1500W x 800D

Infrastructure Field Cabinets

FCA

Marine Grade Aluminium | Powder Coated

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  

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 T33 Smoke Blue.

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-T33	IP-A10715062-0-T33	IP-A10715062-2-T33	2 x 18RU (36RU) 1075H x 1500W x 620D
IP-A10715080-T33	IP-A10715080-0-T33	IP-A10715080-2-T33	2 x 18RU (36RU) 1075H x 1500W x 800D
IP-A13715062-T33	IP-A13715062-0-T33	IP-A13715062-2-T33	2 x 24RU (48RU) 1375H x 1500W x 620D
IP-A13715080-T33	IP-A13715080-0-T33	IP-A13715080-2-T33	2 x 24RU (48RU) 1375H x 1500W x 800D
IP-A16715062-T33	IP-A16715062-0-T33	IP-A16715062-2-T33	2 x 30RU (60RU) 1675H x 1500W x 620D
IP-A16715080-T33	IP-A16715080-0-T33	IP-A16715080-2-T33	2 x 30RU (60RU) 1675H x 1500W x 800D

Air Conditioned Field Cabinets

Steel | Powder Coated

FC



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, and 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.

Doors: 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 T33 Smoke Blue.

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-T33	18RU IP55 Field Cabinet 1075H x 900W x 620D for 0.35kW Air Conditioner
IP-1379062-ACO85-T33	24RU IP55 Field Cabinet 1375H x 900W x 620D for 0.85kW Air Conditioner
IP-1679080-AC145-T33	30RU IP55 Field Cabinet 1675H x 900W x 800D for 1.45kW Air Conditioner
IP-1979080-AC145-T33	36RU IP55 Field Cabinet 1975H x 900W x 800D for 1.45kW Air Conditioner
IP-2279080-AC200-T33	42RU IP55 Field Cabinet 2275H x 900W x 800D for 2.00kW Air Conditioner



Air Conditioned Field Cabinets

FCA

Marine Grade Aluminium | 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 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  

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.

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 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 T33 Smoke Blue.

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-T33	18RU IP55 Aluminium Field Cabinet 1075H x 900W x 620D for 0.35kW Air Conditioner
IP-A1379062-ACO85-T33	24RU IP55 Aluminium Field Cabinet 1375H x 900W x 620D for 0.85kW Air Conditioner
IP-A1679080-AC145-T33	30RU IP55 Aluminium Field Cabinet 1675H x 900W x 800D for 1.45kW Air Conditioner
IP-A1979080-AC145-T33	36RU IP55 Aluminium Field Cabinet 1975H x 900W x 800D for 1.45kW Air Conditioner
IP-A2279080-AC200-T33	42RU IP55 AluminiumField Cabinet 2275H x 900W x 800D for 2.00kW Air Conditioner



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



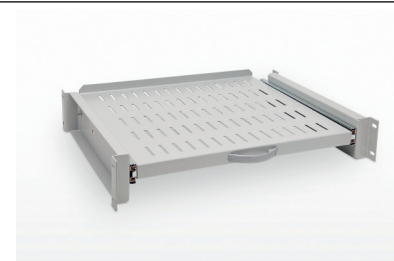
Sliding Shelf Kits (Laptop Drawers)

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-FCDRAWER	Laptop Drawer to suit 750W x 620D Field Cabinet	25kg
IP-FCDRAWER800	Laptop Drawer to suit 750W x 800D Field Cabinet	25kg



General Accessories

Device mounting plates, document storage pockets and cage nuts:

Part Number/SKU	Description
IP-12RUDP	12RU Rack Mounted Device Mounting Plate
IP-18RUDP	18RU 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-FCPPA3-T33	A4 Document Storage Pocket
IP-M6SCREW-CAGENUT	M6 Cage Nut & Screw (Pack of 50)



Accessories

Infrastructure Field Cabinets

Solar Roofs

Solar Roofs are designed to fit standard IP Enclosures Field Cabinets to enable ease of fitting solar panels without drilling.

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 T33 Smoke Blue.

STEEL		ALUMINIUM	
Part Number	Part Number	To suit Field Cabinet*	To suit Solar Panel**
SKU	SKU	W x D (mm)	
IP-FCSR7562-T33	IP-FCASR7562-T33	750 x 620	SY2-M80W/LH4
IP-FCSR7580-T33	IP-FCASR7580-T33	750 x 800	SY2-M80M/LH4

*Depth of enclosure is fixed based on hole centers of bracket. Width is recommendation only to suit nominated solar panel.

**Nominated solar panel only. Other solar panels may be used but hole centers of other solar panels may vary.



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 T33 Smoke Blue.

STEEL		ALUMINIUM	
Part Number/SKU	Part Number/SKU	Description	
IP-FCBASE3522-T33	IP-FCBASE3522-T33	600H Pedestal Base to suit 350W x 225D Field Cabinet T33 Smoke Blue	
IP-FCBASE4532-T33	IP-FCBASE4532-T33	600H Pedestal Base to suit 450W x 325D Field Cabinet T33 Smoke Blue	
IP-FCBASE6032-T33	IP-FCBASE6032-T33	600H Pedestal Base to suit 600W x 325D Field Cabinet T33 Smoke Blue	



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		304SS (For Aluminium Field Cabinets)	
Part Number/SKU	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 12RU x 600W x 325D Field Cabinet	





IP ENCLOSURES PTY LTD

ABN 17 168 921 319

Head Office: 19-27 Fred Chaplin Circuit, Bells Creek QLD 4551

sales@ipenclosures.com.au | www.ipenclosures.com.au

Telephone: 1300 576 094 | + 61 7 5450 1489

GLOBAL DISTRIBUTION: UK Europe USA UAE NZ Asia-Pacific