Air Conditioned Field Cabinets
Steel | Powder Coated

AIR-CONDITIONED 19” RACK I IP55 IK10

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

FC

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 IK10

Standards (& Conformities):
IEC/EN 60529, IEC/EN 62208, EIA-310-D, RoHS, AS/NZS 60335.2.40:2019, AS/NZS 60335.1:2020, CE, UKCA, SAA203165

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 rain hood/sunshield, plinth and 4xlifting eye bolts. Flat face sealing surfaces are provided to increase seal life. A 3.0 mm galvanised steel split gland plate is also incorporated into the bottom face. A segmented compartment is provided to house the air-conditioner. Precision automated manufacturing equipment ensures accuracy and consistent high quality.

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: A high quality machine-applied full perimeter UL listed Polyurethane seal foamed in place (FIP) provides excellent sealing over a long life. Temperature resistance -40°C to 80°C (160°C short term loading).

Locks: Each door includes a 3 point locking system with key-lock swing handle. A full range of locking solutions are available upon request.

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: 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.

Part Number	Weight	Description
SKU	Kg	U/RU H x W x D
IP-1079062-AC035-T33	149	19" 18RU IP55 1075H x 900W x 620D for 0.35kW Air Conditioner
IP-1379062-AC085-T33	167	19" 24RU IP55 1375H x 900W x 620D for 0.85kW Air Conditioner
IP-1679080-AC145-T33	216	19" 30RU IP55 1675H x 900W x 800D for 1.45kW Air Conditioner
IP-1979080-AC145-T33	243	19" 36RU IP55 1975H x 900W x 800D for 1.45kW Air Conditioner
IP-2279080-AC200-T33	273	19" 42RU IP55 2275H x 900W x 800D for 2.00kW Air Conditioner
IP-10716562-AC035-T33	223	19" 36RU (2 x 18RU) IP55 1075H x 1650W x 620D for 0.35kW Air Conditioner
IP-13716562-AC085-T33	255	19" 48RU (2 x 24RU) IP55 1375H x 1650W x 620D for 0.85kW Air Conditioner
IP-16716580-AC145-T33	321	19" 60RU (2 x 30RU) IP55 1675H x 1650W x 800D for 1.45kW Air Conditioner
IP-19716580-AC145-T33	341	19" 72RU (2 x 36RU) IP55 1975H x 1650W x 800D for 1.45kW Air Conditioner