



PRODUCT BROCHURE

Airconditioned Field Cabinets

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

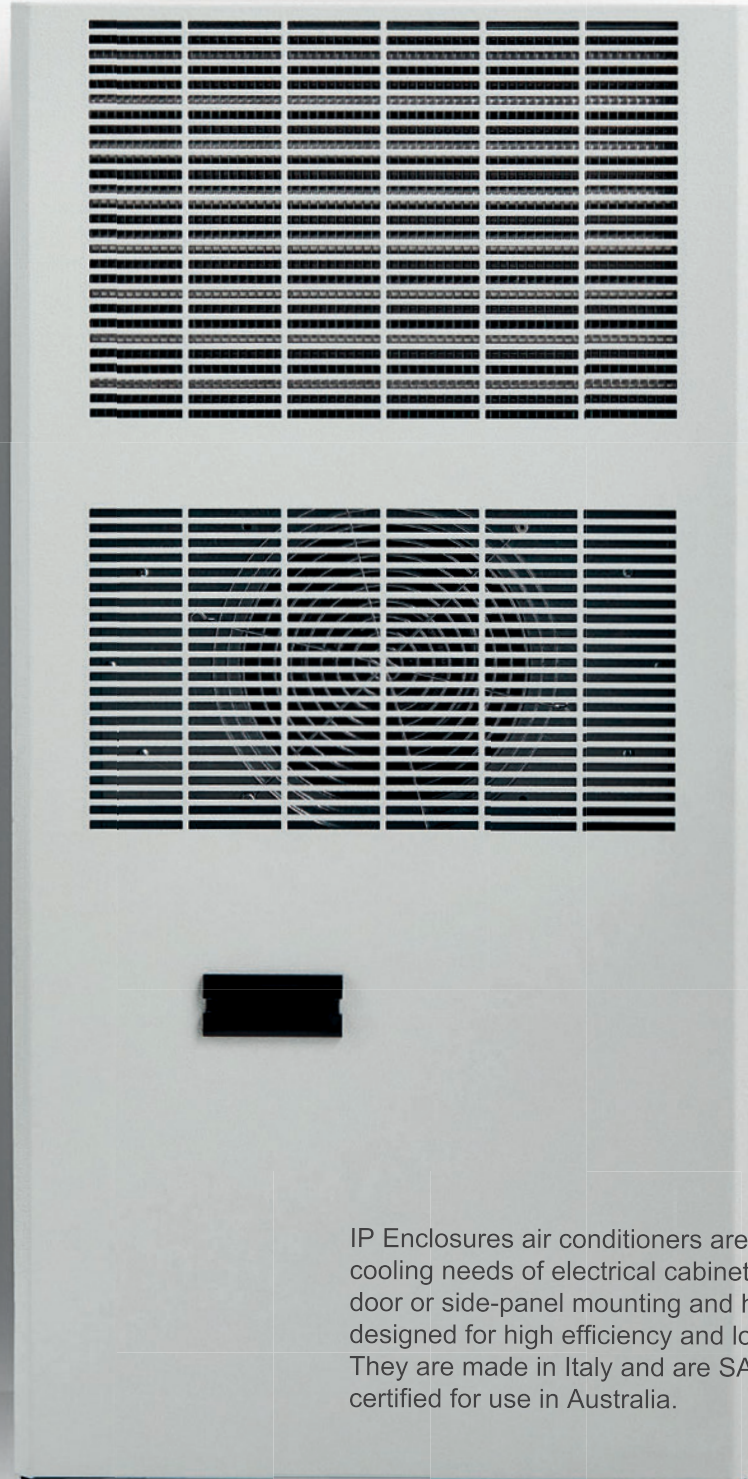


Thermal Control - Cooling

Air Conditioners

IP-AC

350W to 4kW | Indoor & Outdoor



IP Enclosures air conditioners are designed for the cooling needs of electrical cabinets, optimised for door or side-panel mounting and have been designed for high efficiency and low maintenance. They are made in Italy and are SAA approved and certified for use in Australia.

350W Wall Mounted Air Conditioner		INDOOR	OUTDOOR
Part Number	SKU	IP-ACIWM035.001	IP-ACOWM035
Power supply	V/Hz	230V/ 1ph/50-60	
Dimensions HxWxD	mm	430x280x170	
Cooling capacity A35A35	W	350/370	
Cooling capacity A35A50	W	200/220	
Max current	A	1.8/1.9	
Delayed fuse	A	4	
Absorbed electric power A35A35	W	260/270	
Absorbed electric power A35A50	W	280/300	
850W Wall Mounted Air Conditioner		INDOOR	OUTDOOR
Part Number	SKU	IP-ACIWM085.001	IP-ACOWM085
Power supply	V/Hz	230V/ 1ph/50-60	
Dimensions HxWxD	mm	635x305x210	
Cooling capacity A35A35	W	850/900	
Cooling capacity A35A50	W	625/650	
Max current	A	2.65/2.75	
Delayed fuse	A	6	
Absorbed electric power A35A35	W	450/470	
Absorbed electric power A35A50	W	530/560	
1450W Wall Mounted Air Conditioner		INDOOR	OUTDOOR
Part Number	SKU	IP-ACIWM145.001	IP-ACOWM145
Power supply	V/Hz	230V/ 1ph/50-60	
Dimensions HxWxD	mm	800x400x240	
Cooling capacity A35A35	W	1450/1500	
Cooling capacity A35A50	W	1150/1200	
Max current	A	3.7/4.2	
Delayed fuse	A	6	
Absorbed electric power A35A35	W	650/700	
Absorbed electric power A35A50	W	770/850	
2000W Wall Mounted Air Conditioner		INDOOR	OUTDOOR
Part Number	SKU	IP-ACIWM200.001	IP-ACOWM200
Power supply	V/Hz	230V/ 1ph/50-60	
Dimensions HxWxD	mm	1000x400x240	
Cooling capacity A35A35	W	2000/2100	
Cooling capacity A35A50	W	1200/1250	
Max current	A	6.6/6.9	
Delayed fuse	A	10	
Absorbed electric power A35A35	W	1060/1100	
Absorbed electric power A35A50	W	1240/1300	
3000W Wall Mounted Air Conditioner		INDOOR	OUTDOOR
Part Number	SKU	IP-ACIWM300.001	IP-ACOWM300
Power supply	V/Hz	400V/3ph/50 - 460V/3ph/60	
Dimensions HxWxD	mm	1500x400x255	
Cooling capacity A35A35	W	2800/2950	
Cooling capacity A35A50	W	2150/2330	
Max current	A	2.2/2.6	
Delayed fuse	A	16	
Absorbed electric power A35A35	W	2090/2200	
Absorbed electric power A35A50	W	2400/2550	
4000W Wall Mounted Air Conditioner		INDOOR	OUTDOOR
Part Number	SKU	IP-ACIWM400.001	IP-ACOWM400
Power supply	V/Hz	400V/3ph/50 - 460V/3ph/60	
Dimensions HxWxD	mm	1500x400x255	
Cooling capacity A35A35	W	3800/3980	
Cooling capacity A35A50	W	2800/3160	
Max current	A	2.7/3.0	
Delayed fuse	A	16	
Absorbed electric power A35A35	W	2200/2320	
Absorbed electric power A35A50	W	2600/2750	

Note: Roof mounted air conditioners are also available upon request.



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