

# IP55 19" Field Cabinet


# IP-A1979080-AC145

ALUMINIUM | AIR-CONDITIONED 19" RACK | IP55

19" 36U - 1975H x 900W x 800D

Air-Conditioned Field Cabinets are designed to house and cool sensitive data network and electrical equipment in harsh outdoor environments. They are rated to IP55 and designed to prevent unauthorised access and vandalism while keeping contents cool by incorporating an internally-mounted air-conditioner that is designed for the cooling needs of outdoor electrical cabinets. The air conditioner is housed in a separate compartment from the 19" rack compartment and is accessible via a recessed side door with louvered vent hood to enhance air flow. The cooled 19" rack compartment is rated IP55 and is accessible via front and rear doors.

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

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

**Rack Unit Size:** 36U

**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 2.5mm aluminium steel sheet. The body is fitted with rain hood/sunshield, plinth and 4 x lifting eye bolts. Flat face sealing surfaces are provided to increase seal life. A 3.0 mm aluminium steel split gland plate is also incorporated into the bottom face. A segmented compartment is provided to house the air-conditioner.

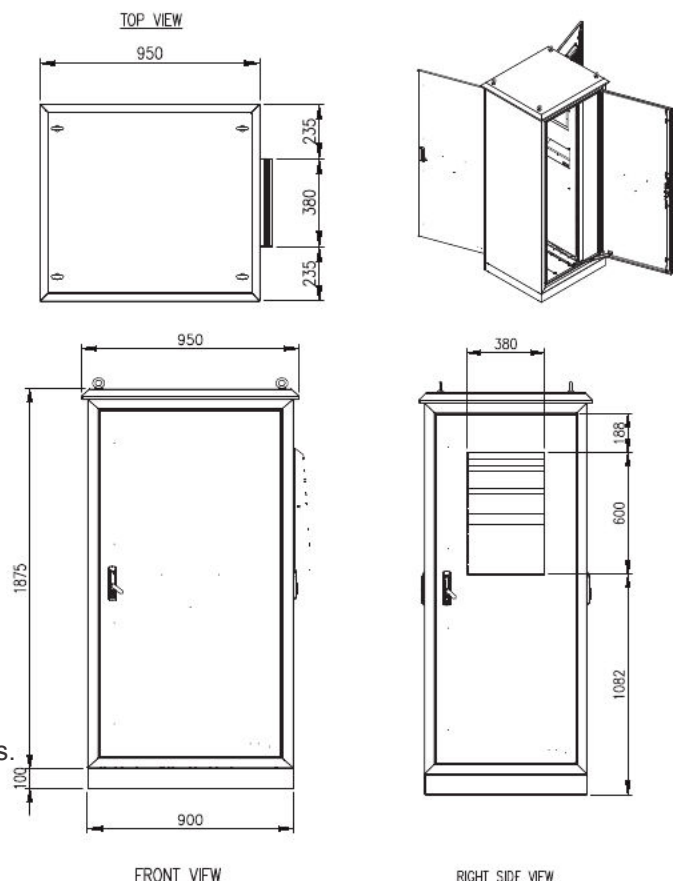
**Doors:** Front and rear doors are fabricated using 2.5mm aluminium steel sheet and are designed to provide flush recessed mounting to prevent vandalism and unauthorised access. The doors incorporate concealed removable hinges with captive pins. They are designed for a 110° opening and are provided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

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

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

**Locks:** 3 point locking systems with key-lock swing handles.

**Surface Treatment:** UL approved epoxy polyester powder-coated with a textured finish. 80-120 micron average thickness. RAL 7035 Grey smooth finish.



# Air Conditioner

# IP-ACOWM145

## 1450 Watt

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.

Features	Unit	IP-ACOWM145
Power supply	V/Hz	230V/1ph/50-60
Dimensions HxWxD	mm	800x400x240
Cooling capacity EN814 A35A35	W	1450/1500
Cooling capacity EN814 A35A50	W	1150/1200
Air flow rate (free blow)		
inside	m³/h	600/625
outside	m³/h	880/950
Max current	A	3.7/4.2
Delayed fuse	A	6
Absorbed electric power EN814 A35A35	W	650/700
Absorbed electric power EN814 A35A50	W	770/850
Refrigerant (type/charge)	kg	R134a/700G
Maximum Pressure	Kpa	2400
Operating temperature (ambient)	°C	+5/+55
Operating temperature (enclosure)	°C	+20/+45
Temperature controller (factory set at 35°C)	-	Integrated mechanical thermostat
Compressor type	-	Rotative compressor
Noise level	dB(A)	62
Electrical connection	-	Three-pole connector
Protection degree EN60529/1 enclosure inside	-	IP54
Protection degree EN60529/1 ambient inside	-	IP34
Weight (with packaging)	kg	37(38)
Colour	-	RAL 7035
Conformity/Certifications	-	SAA, CE, AS/NZS60335.2.40:2019, AS/NZS60335.1:2020

