

t r a c k s i d e

SPECIAL APPARATUS CABINETS

Designed for Active Equipment



Based on the envelope of Apparatus/Location Case Cabinets, Cannon have created a version which allows the deployment of active electronic equipment by upgrading the enclosure from IP55 to IP65 and adding climate controlled air-conditioners or air-to-air heat exchangers to the front doors. Normally the larger of the two sizes of Apparatus/Location Case has equi-sized doors front and rear. These have been replaced by a solid rear panel and asymmetric front doors of which the right-hand door has been widened to accommodate the bespoke Cannon cooling system. This wider cabinet can be supplied with a full width root for direct mounting to a purpose-built concrete pad or it can be optionally supplied with a transformer root (as shown) enabling it to be fitted directly to a standard Network Rail Location Case pre-cast concrete block No BRS-SC 31. The left-hand door has a separate locking system, which can only be accessed after the right-hand door has been opened. Internally the cabinet has been equipped on vibration mounts with an insulated removable thermal chamber which can be configured as required.

The Apparatus/Location Case range carries Network Rail certificate numbers PA05/674, PA05/01919, PA05/01975 and link-up certificate number 73595. They are fully approved and designed in accordance with BRS-SM 431 and 440.

**Please contact the
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PRODUCT FEATURES

- Product Features
- IP65 rated cabinets designed for Active equipment requiring cooling requiring cooling
- Cabinet is totally sealed with no ventilation or change of air between outside ambient and air circulating inside the cabinet
- Fully climate controlled using either air-conditioning systems or air to air heat exchangers
- Climate control systems available in either AC or DC power formats
- Systems are fully environmentally controlled via the CannonGuard management system
- Air management systems are typically located within door void for easy servicing and maintenance
- Manufactured in various sizes and to customer specifications
- Heat loads from 500 watts to 2.5kW can be managed internally
- Fitted with a fully insulated, removable thermal chamber for main equipment configuration
- Thermal chamber attached to outer body shell via supports fitted with vibration mounts
- Approvals to EU EMC directives available
- Doors sealed using a dual seal technology
- Internal fixings/mounting to customers requirements
- The Thermal Transmittance Coefficient ('U' Value) of the cabinet is $\leq 1.6W/m^2$
- Cabinet available fully configured with both AC and DC power requirements
- Thermal Chamber fitted with a cable entry gland in base panel
- Modular building techniques allow for customer design contribution
- Doors secured with a stainless steel multi-point dead locking system
- Painted to customers specific colour requirement
- Multi-stage cleaning and pre-treatment prior to the application of a 90-micron powder coating
- Manufactured from heavy gauge galvanized material giving a 25-year life expectancy
- Installed using "Transformer Root" mounting system for attachment to either a steel platform or concrete pad
- Fitted with door-stays for operator safety whilst working in windy conditions
- Cabinets are Network Rail approved
- Includes many anti-vandal features within the construction
- Used in Rail side applications for fibre optical regeneration and telephony systems
- Can be fully mounted on isolation mounts
- Will support both in-built weather shields and separate awnings/canopies Option to fit AC or DC de-humidifiers to air to air heat exchangers