



Key Features

- Ruggedized design for military applications
- Designed to operate as rapid deployment free standing units
- Can be deployed using military transport by land, sea or air
- Compact design, constructed from corrosion resistant stainless steel
- Designed to operate in extreme conditions
- Can be trailer or skid mounted
- Quiet operation
- Provides continuous supply of fresh-air
- In service with military forces throughout the world
- Easy, low maintenance design
- Available in various power supply options
- External finish: Powder Coating for durability



Air-conditioning and Cooling Systems

C250-S

Designed for climate control for both equipment and operators within rapid deployable shelters the C250-S ACU has a 'ruggedized' design for Military applications and can either be trailer or skid mounted. It is externally connected to the shelter via insulated flexible ducting to provide a constant flow of filtered 'fresh-air' into the shelter.

The trailer mounted version has a NATO towing eye to facilitate 'low speed' (15mph max) transportation around airfields or deployment sites, it also has 'handle bars' to assist manoeuvrability in close confinements.

The C250-S has two independent refrigeration circuits that provide 2 stages of cooling and each circuit is 'hermetically' sealed for 'leak free' reliability, there are also 2 stages of electrical heating. It has an integral control system to maintain an internal temperature between +18degC and +30degC and an option exists for a fitted on-board 'dry powder' fire suppression system. Quite simply, it is a 'connect and forget' system.

Manufacture can be in either 'zintec' coated mild steel or corrosion resistant stainless steel, which is dependent upon the geographical location to be deployed. Paint finish is currently powder coated for durability, of which colour and finish is entirely upon customer requirements.

The footprint of the C250-S allows 2 units to fit side by side on an air cargo pallet.

It requires a 400/460V 3 phase 50/60Hz power supply and has a 'Pilot Earth Monitoring' system and FEPDS type mains connector fitted and can be operated in extreme environments as defined in DEF STAN 00-35 climatic categories A1 to C2.

The unit is fully CE marked and meets the commercial EU EMC standard. It is NATO codified and fully supportable.

About CMCA

CMCA Ltd specialises in the design and manufacturer of precision military air-conditioning and power generation technology, proven in the most extreme environments on earth.

Facts and Figures

Overall Dimensions (nominal):

Width: 1000mm
 Height: 1300mm
 Length: 2000mm

Weight:

(excl trailer/skid) 750kg

Power Supply:

400Vac
 3 phase, 50Hz

Cooling Capacity (nominal):

25kW @+55°C
 29kW @+35°C

Heating Capacity (nominal):

15kW

Evaporator Airflow (nominal):

4,000m³/hr

Operating Conditions:

-46°C to +55°C

Refrigerant Type: R134a

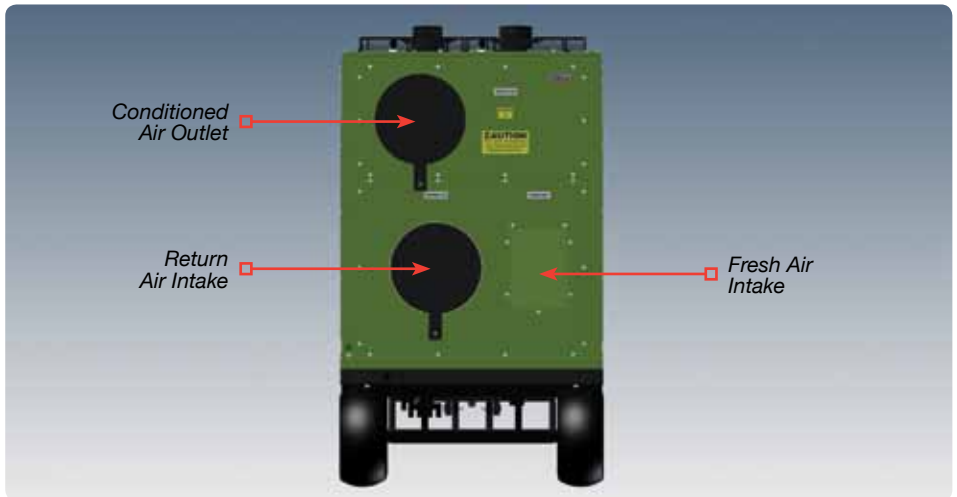
“Pilot Earth Monitoring” system with FEPDS mains connector available

Front Elevation

C250-S



Side Elevation



Further Information

For a full technical specification on this or any other CMCA product please contact:

Plan View

