

ENVIRONMENTAL CONTROL UNIT

OVERVIEW

The Deployable Environmental Control Unit (ECU) is a 20KVA chiller unit operating from 415V 3 phase power. The Unit has been designed to meet harsh environmental conditions. The ECU can be deployed into shelters, tents, enclosed marquees, containers, demountables or existing closable structures. The uses vary from military use, medical, emergency temporary office / accommodation, entertainment, food preparation, food storage and anywhere climate control is required or desired.

The ECU can be situated up to 75m away from the end use location and utilizes small hoses connecting to upto two Fan Control Units (FCU) to provide the cooling or heating to the end user.

FEATURES

- Modular
- Precinct-able to a total 20 ECU's
- Light weight
- Robust
- Virtually maintenance free (air filter replacement only)
- No special skills or tools required for deployment
- Deployable and fully operational in minutes
- Compact
- Simple installation
- High Capacity with Low noise
- Corrosion resistant
- Capable of operating in extremes from -30 oC to +50 oC
- Environmentally friendly refrigerant gases incorporated
- Complete system fits inside a single G66 container (1.9 x 1.1 x 0.9 m)
- Can be remotely located 75m from end use – results in noise reduction
- May be powered from mains supply or generators.
- Transport shock resistant
- Australian Standard compliant
- Ladder chassis off road construction
- +4 oC Storage environment capable (fresh food storage, mortuary, medical supplies etc)
- Flexibility of deployment into large enclosures such as;
 - Tents
 - Shelters
 - Catering
 - Offices
 - Medical
 - Emergency
 - Accommodation
 - Shipping containers
 - Existing buildings

SYSTEM COMPONENTS

The Environmental Control System for a standard 25m separation consists of;

- 1 x Environmental Control Unit
- 2 x Fan Control Units
- 1 x Utility Box
- 3 x Power Supply and Inter-connecting Power Cables with NATO fittings
- 2 x Control cables
- 6 x Self sealing small diameter inter-connecting hoses with quick connect couplings (no tools needed)
- 5 litres of System Top Up Fluid
- 4 x detachable levelling and mobility wheels
- Operating instructions