



## Air Conditioning Trolley (NSN-1730-99-958-1043)

A compact diesel engine powered CFC free air conditioning trolley that efficiently and reliably cools aircraft avionics and cockpits. Refrigerant gas free and environmentally friendly, the Aries delivers up to 30lb per minute of non toxic conditioned air.

- Environmentally friendly refrigerant free air cycle cooling technology.
- Leak free cooling system with no contained gasses providing unprecedented stand alone reliability.
- Operator selected and automatically controlled delivery air temperature between +5 and +65°C (ambient dependant).
- Designed and manufactured to operate between -15°C and +55°C ambient.
- User friendly operator control station.
- Towing speed of up to 32kph (20mph).
- Delivers up to 30lb (14kg)/min non toxic conditioned air.
- NATO standard towing eye with overrun braking system and parking brake.
- Turntable Steering on specially fabricated heavy duty air transportable chassis with weatherproof canopy.
- Sound insulated canopy with low noise emissions.
- Can be left running unattended for up to 8 hours without refuelling.
- Diesel engine powered, multifuel capability Diesel, JetA1, Avtur, Avtag.
- Dual pressure settings of 3.5 and 6.5psi.



Passenger Stairs  
Belt Loaders  
Cargo & Freight Vehicles  
Toilet & Water Trucks  
Aircraft Loaders  
Fuel Tank Repair Trolleys  
Heater Trolley  
**Air Conditioning Trolley**  
Maintenance Docks & Stagings  
Special Projects

Remember, each piece of equipment is maintained via our through-life support and training services – wherever you are in the world, 365 days of the year.

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“ Proven avionics cooling system for main base and deployed operating environments worldwide ”

### Performance

- Variable Non toxic Conditioned air between +5 and +65°C
- Air mass flow rate delivery up to 30 Lbs per minute
- Dual pressure settings of 6.5 & 3.5psi

### Chassis

- Air transportable with sound insulated weatherproof sheet metal canopy
- Turntable steering with NATO towing eye and hand brake
- Towing speed 32kph (20mph)

### Instruments and control

- Multi function touch panel engine/ compressor controller with integrated system monitoring and control
- Digital delivery air temperature controller
- System warning lights and indicators
- Emergency Stop bush button
- Power On/Off key switch
- Interlocked Aircraft connection selector switch
- System status LEDs
- Delivery air pressure gauge

### Environmental system

- Oil free screw compressor driven by turbo charged diesel engine
- Two stage forced air to air heat exchanger with hydraulic powered fan
- Air cycle Cold Air Unit two stage turbine compressor
- Self cleaning 24 cell 95% efficient air delivery filter
- Delivery air water separator

### Electrical system

- Fail-safe cut outs and safety interlocks
- 24V DC control circuitry, oil coolers and engine bay ventilation fans
- Safety pressure relief solenoid valve
- Dual pressure switch controlled relief solenoid valve

### Standard equipment

- 10 metres x 102mm heavy duty insulated air delivery hose with quick release connectors
- 102mm to 50mm hose adaptor
- 2 off 1 metre x 50mm Flexible delivery hose with quick release connectors
- Forklift pockets and lifting eyes
- Tie down points
- Trolley mounted NATO pattern fire extinguisher
- Roof hose stowage rails

### Optional equipment

- 36 metres earth bonding reel cable
- Dual Voltage 200v 400Hz 3 phase GPU / 400v 50Hz 3 phase mains power supply powered model available
- Delivery hose to aircraft coupling interface adaptor

