

# AGILEAIR<sup>®</sup> COMBINATION MILITARY AIR AND POWER CART



# SPECIFICATIONS

The AgileAir® is designed for military applications as a diesel powered, high-pressure conditioned air and bleed air cart with options for supplying 400Hz AC and 28 / 270 VDC Power.

## STANDARD EQUIPMENT

- Ackerman-steer running gear with hand actuated parking brake system
- PLC controlled with color HMI on the operator station
- Powder coated steel frame with aluminum access doors with lift off hinges
- Frame tie downs and forklift pockets
- MERV 13 Inlet air filter with dirty filter indicator
- Hose storage area for all conditioned air and bleed air hoses
- Battery disconnect for long term storage
- Diesel and Jet fuel compatible - JP-8, JP-5, Jet A, 1-D, 2-D, TS-1
- Fuel tank sized for up to 10 hours of operation
- Cummins QSL6.7, Tier III Diesel Engine
- Single 8" (203 mm) cooling air outlet with AS38386/1 male connector integrated into the outlet
- Single 4" (102 mm) Bleed Air outlet
- C-130, C-17, and C-5 Air-transportable

## ENGINE

- Cooling air outlet cap(s) for protection while the unit is not in use
- Standard two each 15 ft (4.6 m) 8 in (203 mm) abrasion guarded cooling air insulated ducts with male and female AS38386 ends.
- Standard 8 in (203 mm) to 4 in (102 mm) reducer 10 ft (3 m) in length wire wound, abrasion guarded, and cooling air insulated duct
- Standard cooling air connector per MS16051F or equivalent
- MIL-DTL-22531E-Bleed Air Adapter
- MIL-DTL-22706(G)-Bleed Air High Pressure Hose; standard 40 ft (12 m) of hose
- Optional: MS17835 (inlet) and MS17833 (outlet)
- Engine Reader: Used in maintaining/diagnosing engine

## DIMENSIONS AND WEIGHT

Length:	122 in (3099mm)
Width:	70 in (1778 mm)
Height:	85.5 in (2171 mm)
Weight:	8,000 lbs (3629 kg) wet; with fuel, coolant and oil 7,000 lbs (3175 kg) dry

## OPERATIONAL ENVELOPE AND PERFORMANCE

- Operating Altitudes: 0 to 6000 ft
- Operating Ambient Temperature: -40°F to 125°F (-40°C to 52°C)
- Operating Humidity: Up to 100% RH
- Storage Ambient Temperature: -40°F to 140°F (-40°C to 60°C)
- Storage Humidity: Up to 100% RH
- Long Term Storage Humidity: 20% RH to 85% RH

## COOLING AIRFLOW PERFORMANCE

- Max flow: 100 lb/min (750 g/s)
- Max Pressure: 6 psig (41 kPa)
- Temperature: 32°F to 60°F (0°C to 16°C)

## BLEED AIR AIRFLOW PERFORMANCE

- Max flow: 100 lb/min (750 g/s)
- Max Pressure: 50 psig (345 kPa)

## JETPOWER PERFORMANCE

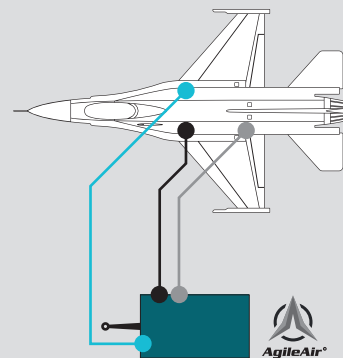
- 400 Hz Output (75 kVA)
  - 400 Hz Cable Storage
  - 45 ft (14 m) 400 Hz AC cable with aircraft connector
- 28 VDC Output (500 amps)
  - 28VDC Cable Storage
  - 45 ft (14 m) 28 VDC cable with aircraft connector
- 270 VDC Output (72 kW)
  - 270 VDC Cable Storage
  - 45 ft (14 m) 270 VDC cable with aircraft connector

## AIRCRAFT TYPES

Tested to meet requirements of:

- F-35
- F-16
- F-15
- F-18
- and more

## ALL-IN-ONE SERVICE



- Conditioned Air
- Power
- Bleed Air

F-16 service ports shown

## PHONE

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**AgileAir** Airport Equipment