

AgileAir® from Oshkosh AeroTech

Combination Conditioned Air, Bleed Air, and Power Carts



Defense

When support IS the mission

AgileAir is a diesel powered, high-pressure conditioned air, bleed air and power cart compatible with various 4th, 5th and 6th generation aircraft. It combines the capabilities of two separate carts – power and air – into a single platform that saves on transport space, fuel consumption, and downtime. With no turbines, the AgileAir is highly reliable, easy to maintain, great for fuel economy and does so with less noise.



Intuitive HMI Controls / Optional Work Lights



Optional Pedestrian Drive Assist



Hose Basket (Optional) / Bleed Air Swivel

| Nominal Characteristics | AgileAir Conditioned Air, Bleed Air, Power Cart |
|----------------------------------|---|
| Configuration | Towable |
| Diesel Engine | Cummins Diesel QSB6.7L Tier III |
| Aircraft (Representative) | F-15, F-16, F-22, F-35 and more |
| Modes | Conditioned Air, Bleed Air, Electrical Power |
| Application | Replaces Flightline Generators Up To 72kW/90kVA, Low Volume High Pressure Air Conditioners, & Bleed Air Carts |
| Ambient Envelope | -40°F to 125°F / -40°C to 52°C, 0 – 6000 ft |
| Weight | 8,400 lbs / 3810 kg Dry |
| Length | 141 in / 358 cm |
| Width | 72 in / 177 cm |
| Height | 70 in / 177 cm |
| Conditioned Air | |
| Design Airflow | 100 PPM / 750 g/s |
| Discharge Temperature | +40°F to 60°F / 4°C to 16°C |
| Maximum Static Pressure | 6 psig / 41kPa |
| Outlet | 8 in / 203 mm w/AS38386 male connector |
| Bleed / ECS Air | |
| Airflow | 100 PPM / 750 g/s |
| Pressure | 50 psig / 65 psia // 345 kPag / 448 kPaa |
| Outlet | 4 in / 102 mm |
| Output Power | |
| 400 Hz | 90 kVA |
| 28VDC | 28 VDC @ 500 Amps (Optional) |
| 270 VDC | 270 VDC Output Power: 72kW Optional |
| Mil Std Power | Mil Std 704F |
| Other | |
| Fuel Type | JP8, JP5, JETA, 1-D, 2-D, TS-1, Jet A-1 |
| Fuel Tank Capacity | Sized for up to 10 hours of operation |
| Integral Forklift Pockets | Yes |
| Air Transportable | Yes, C-130, C-17, C-5A, others |
| Chassis | Ackerman Steering / Hand Brake / Non-pneumatic Tires |
| Pedestrian Assist Drive | Yes, Optional Electric Powered Drive |
| Work Lights | Yes, Optional |
| Fabrication | ISO 9001 |



Powerful, but Smaller Package

Key Features:

- Bleed air, conditioned air, and power in one package – smaller footprint
- Fuel efficient diesel engine
- Low noise emissions
- Digitally controlled, large color HMI
- Common support equipment for fighter, cargo, bomber and ISR aircraft
- Powder coated steel frame, aluminum doors
- Battery disconnect, for storage

Accessories:

- Various Hose and Cable Lengths Available
- 40 ft (12m) 400 Hz cable
- 40 ft (12m) 270 VDC cable
- 2 each 15ft (4.6m) 8 in (203mm) air ducts w/ AS38386 male/female ends
- 1 each 8 in (203mm) to 4 in (102mm) hose reducer section
- 1 MS16051F air connector
- 1 MIL-DTL-2253 1E bleed air adaptor
- 40 ft (12m) MIL-DTL-22706(G) bleed air hose

Optional:

- Electric drive system for single person mobility
- Rear mounted hose storage bin
- Corner mounted LED work lights
- MS 17835 (inlet) and MS 17833 (outlet)
- Engine Reader – for Maintenance



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