



**Aviation  
Ground  
Equipment Corp.**

**Air Start Unit  
180PPM**

## **Air Start Unit 180PPM**



The Aviation Ground Equipment Corp. 180PPM Air Start unit will service a variety of narrow-body aircraft for the commercial market. Aviation Ground Equipment Corp. proudly manufactures all of our equipment in the USA.

### **Features:**

- Diesel engines from Deutz/Cummins conforming to latest EPA/Euro emission norms
- Proprietary digital pressure control system that automatically regulates the output air pressure/flow
- Low noise level
- Meets MIL, AHM & ARP standards
- Demand throttle for fuel efficient operation
- Interactive interface visible under all weather conditions
- Graphical representation of operational data
- Fault log chart & troubleshooting guide



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#### Prime Mover

- Engine: Deutz/Cummins or equivalent (up to Tier 4F)

#### Compressor

- Compressor (Screw/Scroll): GHH Rand or Equivalent

#### Twin Mode Operation

- Jet start/AC packs modes have independent programmable supply pressures
- Jet start @ 40 psig
- Air packs @ 30 psig

#### Performance Specifications for Pneumatic Power

- Discharge pressure: 40psig
- Discharge temperature: 392°F (200°C) working
- OAT: -22°F to +118°F (-30°C to +48°C)

#### Performance Specifications AC Pack (when used with onboard ECS)

- Discharge pressure: 30psig

Operates under any weather conditions (rain, snow, hail, fog, wind, sand & dust).

#### Monitoring

Following parameters are displayed through touch screen in graphical format for quick and easy interpretation.

- Engine oil pressure
- Engine coolant temperature
- Engine RPM
- Engine hours run
- Fuel level
- Battery voltage
- Battery charging current
- Maintenance Schedule
- Delivery air pressure
- Delivery air temperature

#### Operational Protections

##### A. For Engine

- Low Fuel warning / shut down
- High coolant temperature shutdown
- Over speed shutdown
- Low fuel shutdown
- Low Coolant indication

##### B. For Compressor

- Low lube oil pressure shut down
- High lube oil temperature shut down

##### C. For System

- Engine shut down is de-activated during AST mode operation
- High delivery air temperature shut down
- High delivery air pressure (relieving to atmosphere)

Specifications subject to change without notice



#### STRUCTURE:

Our Air-Start units are built with strength to handle tough operating conditions under any weather whilst being compact and effortless maneuverable facilitating smooth towing.



#### CONTROL PANEL:

PCA Monitor - A touch screen control panel with interactive interface to showcase summary of all parameters in graphical format with built-in maintenance chart, fault log chart and troubleshooting guide.

