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)

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 trouble-shooting guide.

Specifications subject to change without notice

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