

# AIR START UNIT

120PPM (OTHER MODELS AVAILABLE ON REQUEST)



## SMART & FUTURISTIC GSE



**MAK ASU 120PPM**

### ► Salient Features

- Diesel engines from Deutz/Cummins equivalent conforming to latest EPA/Euro emission norms
- MAK proprietary digital pressure control system automatically regulates the output air pressure/flow for different aircrafts
- Demand throttle for fuel efficient operation
- Meets MIL, AHM & ARP standards
- Low noise level
- Digital control system with touchscreen MAK GSEM V8 - A
  - ✔ Interactive GUI visible under all weather conditions
  - ✔ Graphical representation of operational data
  - ✔ Fault log chart & troubleshooting guide
- MAK RDMS – Remote Diagnosis and Monitoring System (Optional)

**SERVING DEFENSE AND AVIATION FOR FOUR DECADES**

**AIR+MAK INDUSTRIES INC., USA**

MAK design and manufacture ASUs from 100PPM to 400PPM (**customized units can be made to order**). MAK ASUs are under operation with major commercial airlines and military organizations across the globe. MAK has supplied custom designed ASUs for endurance testing of worlds largest aircraft engine GE90-115B.

MAK ASUs come with a touchscreen control panel GSEM V8-A and MAK RDMS-A feature rich fleet management software which transmits live operational data to a remote computer/mobile and alerts users in real-time of faults, alerts. With this software users can plan maintenance schedules, ad-hoc service records, order spare parts... and much more.

## TECHNICAL SPECIFICATIONS \*

### PRIME MOVER

Engine : Cummins/Deutz/Detroit diesel Engines with latest EPA/EURO Emission compliance upto Tier4 final

### COMPRESSOR

GHH - RAND/MAK or Equivalent oil free Screw compressor

### TWIN MODE OPERATION

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

### PERFORMANCE SPECIFICATIONS FOR PNEUMATIC POWER

Discharge Pressure : 40 psig  
Discharge Temperature : 392°F (200°C) working  
Operating Temperature : -22°F to +118°F (-30°C to + 48°C)

### PERFORMANCE SPECIFICATIONS FOR AC PACK (when used with onboard ECS)

Discharge Pressure : 30 psig

Operates under all weather conditions (rain, snow, hail, summer, fog, wind)

Storage type ASU with Integral/Separate charging Station also available

### MOUNTING CONFIGURATION :

Towable trailer mounted / Self propelled / Skid mounted for truck

\* Due to continuous development, the dimensions, layout, configuration and specifications are subject to change without notice.

### ASU OPERATIONS MONITORING

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

#### ENGINE PARAMETERS

- Engine oil pressure
- Engine coolant temperature
- Engine speed
- Engine hours run
- Battery charging current
- Fuel level

#### COMPRESSOR PARAMETERS

- Delivery air pressure
- Delivery air temperature

#### PROTECTIONS

##### A. For Engine

- Low lube oil pressure shutdown
- High coolant temperature shutdown
- Over speed shutdown
- Under speed shutdown

##### B. For Compressor

- Low lube oil pressure shutdown
- High lube oil temperature shutdown

##### C. For System

- **Engine Shutdown is De-activated during AST mode operation**
- High delivery air temperature shutdown
- High delivery air pressure (relieving to atmosphere)

For detailed technical specifications or any other queries please contact us

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