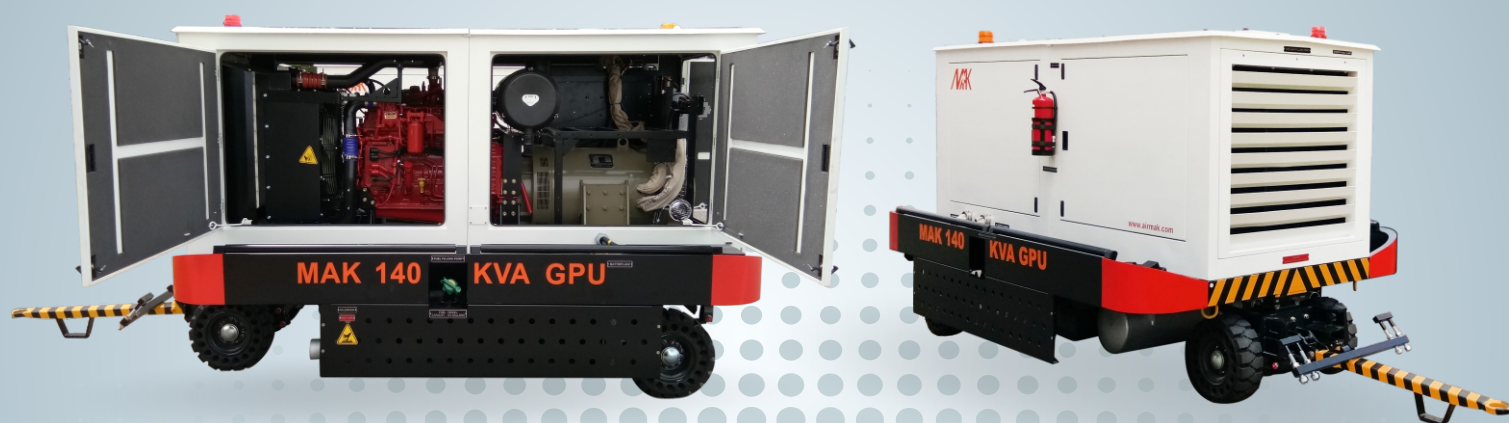


GROUND POWER UNIT

140KVA (OTHER MODELS AVAILABLE ON REQUEST)



SMART & FUTURISTIC GSE



140KVA GROUND POWER UNIT

▶ Salient Features

- ▶ Diesel engines from Deutz/Cummins equivalent conforming to latest EPA/Euro emission norms
- ▶ Meets MIL, AHM & ARP standards
- ▶ MAK RDMS – Remote Diagnosis and Monitoring System (Optional)
- ▶ Digital control system with touchscreen panel (MAK GSEM V8-C)
- ✔ Interactive GUI visible under all weather conditions
- ✔ Graphical representation of operational data
- ✔ Fault log chart & troubleshooting guide

**SERVING DEFENSE AND
AVIATION FOR FOUR DECADES**

AIR+MAK INDUSTRIES INC., USA

TECHNICAL SPECIFICATION *

PRIME MOVER

ENGINE	:Cummins / Deutz or Equivalent diesel engine upto Tier4 final
ALTERNATOR	:MAK brushless, 3 phase, constant voltage alternator with in-built MAK AVR
INSULATION	:Class H
OUTPUT CHARACTERISTICS	
AC OUTPUT	:140KVA at 0.8 pf lagging
POWER	:3 phase 4 wire system
VOLTAGE	:115V (Line to Neutral) and 200V (Line to Line).
VOLTAGE UNBALANCE	:a)1% at balanced load. b) Within 4% with 1/3rd load on one phase with two other phases unloaded.
VOLTAGE REGULATION	:±1%
VOLTAGE MODULATION	: ±1%
VOLTAGE TRANSIENT	: ±20% and ±1% of steady state value recovery within 200 milli seconds.
PHASE DIFFERENCE	: 120°±1.50°
FREQUENCY	: 400 Hz
FREQUENCY REGULATION	: ±1%
FREQUENCY MODULATION	: ±0.5%
FREQUENCY TRANSIENT	: 385 to 415 Hz, ±1% of steady state value recovery within 2 seconds.
THD	: <2%

MONITORING

Following parameters are displayed through GUI touch screen on a graphical format for quick understanding

- Engine lube oil pressure
- Engine coolant temperature
- Engine RPM
- Fuel level
- Engine hours run
- Battery voltage
- Output voltage
- Output frequency
- Load currents across all 3 phase
- Maintenance Schedule

OPERATIONAL PROTECTIONS

A. For Engine

- Low lube oil pressure shutdown
- High coolant temperature shutdown
- Over speed shutdown
- Low fuel shutdown
- Charge fail (only indication)

B. For Output

- Under voltage trip
- Over voltage trip
- Over load trip
- Neutral open trip
- Phase rotation trip
- Under frequency shutdown
- Over frequency shutdown

Electric motor as prime mover option 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.

For detailed technical specifications or any other queries please contact us

AIR+MAK INDUSTRIES INC., USA

11154, Wildwood Drive, Olive Branch, MS-38654, USA



+1 662 893 3444



info@airmak.com



www.airmak.com