



GROUND POWER UNIT

60/90/140/180 KVA AC/DC

OVERVIEW

AGRIQUIP design and manufacture selfpropelled or trailer mounted Ground Power Units from 60 kVA to 180 kVA and it comes with a touch screen based control system which takes care of control, monitoring and protections. Basic components include brushless three phase alternator, diesel engine and Agriquip proprietary design of Compact Smart Intelligent Module.

SPECIAL FEATURES

- Meets MIL-STD-704F.
- Electronic Engine Governors provide precise frequency regulation and fast transient response.
- Integrated housing bolts directly to engine flywheel eliminating alignment issues.
- Automatic Voltage Regulator provides line drop compensation.
- Digital control system with Touch Screen based operating Control Module.
- 2 doors allow to all components for ease of routine maintenance.
- Fault Log and Data logging facility.
- Remote Monitoring System (Optional).

CONTACT US:

SPECIFICATION

- **PRIME MOVER**
Cummins/Deutz or equivalent engine with latest emissions
- **ALTERNATOR**
Agriquip three phase brushless alternator with built in AVR
- **AC OUTPUT**
60/90/140/180 kVA
- **Power**
Three phase, 4 wire
- **VOLTAGE**
115 Vac (Phase to neutral) / 200 Vac (Phase to phase)
- **VOLTAGE REGULATION**
±1% over full load range
- **VOLTAGE TRANSIENT**
±20% no load to full load and ±1% of nominal voltage recovery within 200ms
- **PHASE BALANCE**
<1% at balanced 3 phase Load, <4% at 1/3 on 1 phase and no load on 2 phases
- **HARMONIC CONTENT**
THD <2%
- **OVERLOAD RATING**
125% for 5 minutes
- **FREQUENCY**
400 Hz
- **FREQUENCY REGULATION**
±0.5%
- **FREQUENCY TRANSIENT**
±3.75% no load to full load, ±0.5% of nominal frequency recovery within 2 seconds

MONITORING & PROTECTIONS

- **ENGINE MONITORING**
 - Oil pressure
 - Coolant temperature
 - Speed
 - Run hours
 - Battery voltage
 - Fuel consumption
 - Fuel level
- **ENGINE PROTECTIONS**
 - Low lube oil pressure
 - High coolant temperature
 - Over speed
 - Under speed
 - Low fuel
 - Charge fail Warning
- **OUTPUT MONITORING**
 - 3 phase voltage
 - 3 phase current
 - Frequency
 - 3 phase power
 - DC voltage
 - DC current
- **OUTPUT PROTECTIONS**
 - Under / over voltage
 - Under / over frequency
 - Overload
 - Phase reverse
 - Neutral open



*Due to continual product improvement, the specifications and dimensions are subject to change without notice.

CONTACT US: