



GROUND POWER UNIT

90/120/140/180 KVA AC/DC

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)



AGRIQUIP design and manufacture self-propelled or trailer mounted Ground Power Units from 90 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.

DESIGN SPECIFICATIONS

PRIME MOVER	:	Cummins / Deutz or Equivalent engine with latest emissions
ALTERNATOR	:	Agriquip three phase brushless alternator with built in AVR
AC OUTPUT	:	90/120/140/180 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 200 ms
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

28VDC OUTPUT(OPTIONAL)

CONTINUOUS CURRENT	:	400A/600A/800A
PEAK STARTING CURRENT	:	1600A/2000A

MONITORING & PROTECTIONS

ENGINE MONITORING :

- Oil Pressure
- Coolant temperature
- Speed
- Run hours
- Battery voltage
- Fuel consumption
- Fuel level

OUTPUT MONITORING :

- 3 phase voltage
- 3 phase current
- Frequency
- 3 phase power
- DC voltage
- DC current

ENGINE PROTECTIONS:

- Low lube oil pressure
- High coolant temperature
- Over speed
- Under speed
- Low fuel
- Charge fail warning

OUTPUT PROTECTIONS:

- Under/ Over voltage
- Under / Over frequency
- Overload
- Phase reverse
- Neutral open

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

AGRIQUIP

AGRIQUIP MACHINERY SDN BHD

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