



WG100PQ 90 KVA Ground Power Units provide regulated 400 Hz power to all types of jet aircraft. The unit features a brushless revolving field generator. The truck mounted units are provided on suitable chassis. The units provide low noise operation.

GENERATOR SPECIFICATIONS:

400Hz 115/200 volts nominal, +/-10% adjustable, 3 phase (0.8PF), 4 wire wye revolving field, brushless, self-cooling, permanently lubricated dual bearings, brushless rotating rectifier assembly, directly coupled to the engine. Engine and Generator vibration mounted.

ENGINE SPECIFICATIONS:

Cummins 6BT5.9, 160Hp (120kw) at 2000 RPM including, dry type air cleaner, full flow fuel and lube oil filters, muffler, heavy duty radiator, blower type fan, battery charge alternator.

ENGINE CONTROLS/INSTRUMENTS:

Isochronous electronic governor, 24 volt battery, ammeter, oil pressure gauge, running time meter, temperature gauge, fuel gauge, low oil pressure and high coolant temperature protection. Automatic shut-down for high temperature, low oil pressure.

GENERATOR CONTROLS:

Frequency meter, ammeter, voltmeter, voltmeter-ammeter selector switch, automatic voltage regulator, line drop compensator, overload relay, solid-state over/under voltage relay and over/under frequency relay, plug interlock relay, test switch, and fault annunciator with lamp test switch.

ELECTRICAL CHARACTERISTIC

- **VOLTAGE REGULATION:** +/-1% over the full range of generator loading
- **VOLTAGE MODULATION:** 0.5% at steady state.
- **FREQUENCY REGULATION:** +/- 1% from no load to full load.
- **TRANSIENTS: (no load to full load)**
 - FREQUENCY:** 2.5% recovery 1 sec.
 - VOLTAGE:** +/- 15%
Recovery time less than 0.1 sec.
- **LINE DROP COMPENSATION:** 10 volts, line to neutral

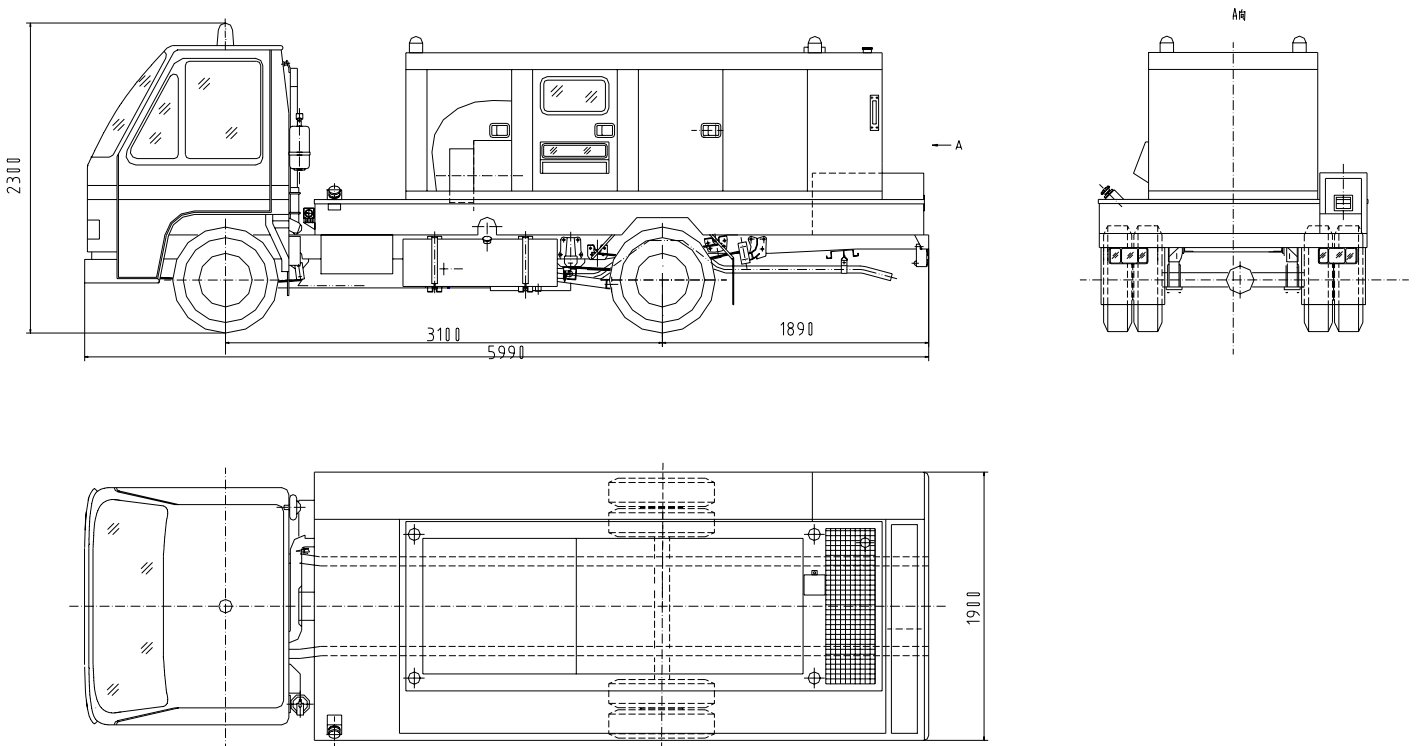
OPTIONAL EQUIPMENT

- Transformer rectifier 28 VDC
- Single/dual or 56VDC
- Cold weather starting kit.

- **OVERLOAD:** 125% for 5 min.
- **HARMONICS:** less than 2% total harmonic content.
- **ELECTRICAL PERFORMANCE:** well within MIL-STD-704, ISO6858, GJB549-88

KVA	P.F	Rated Amps	Engine				Dimensions*
			Manufacturer	Model	HP	RPM	
90	0.8	260	CUMMINS	6BT5.9	160	2000	235x75x80 in (5990x1900x2040) mm

*subject to change with choice of vehicle



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SPECIFICATIONS TO CHANGE WITHOUT NOTICE



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