



WG100PT 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 trailer-mounted units utilize a spring mounted chassis of rugged steel construction with fifth wheel steering. The units provide low noise operation.

GENERATOR SPECIFICATIONS:

400Hz 115/200 volt 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 6BTA5.9, 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

. OPTIONAL EQUIPMENT

GENERATOR CONTROLS:

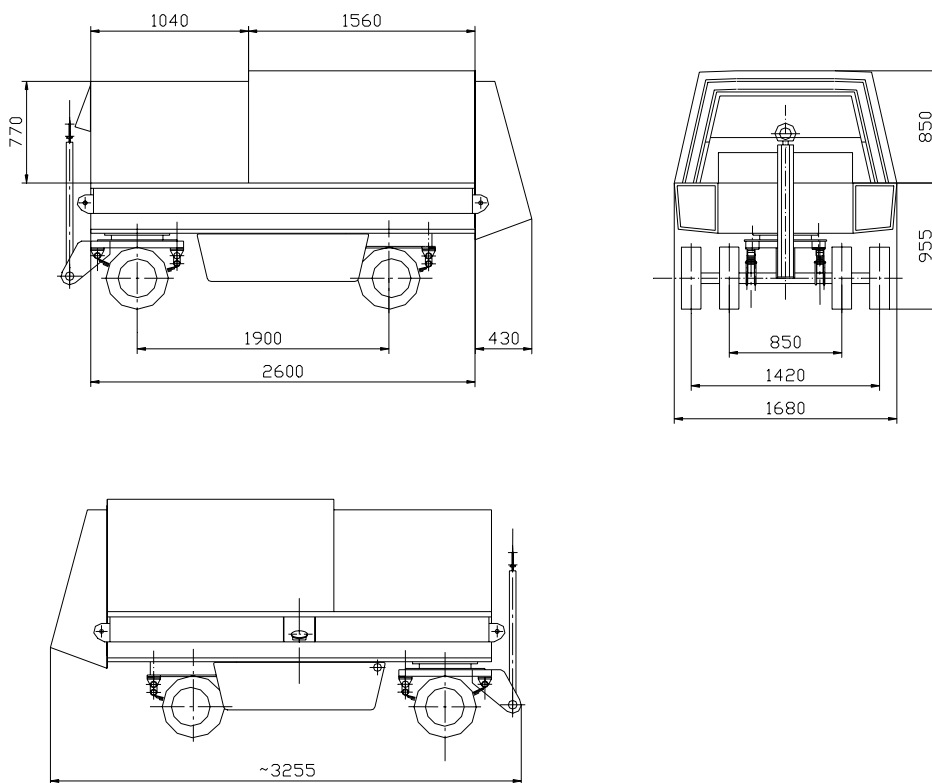
Frequency meter, ammeter, voltmeter, voltmeter-ammeter selector switch, automatic voltage regulator, line drop compensator, overload relay, solid-state over/under voltage relay and over/under frequency relay, plug interlock relay, test switch, and fault annunciator with lamp test switch.

ELECTRICAL CHARACTERISTIC

- **VOLTAGE REGULATION:** +/-1% over full range of generator loading
- **VOLTAGE MODULATION:** +/- .5% volt at steady state.
- **FREQUENCY REGULATION:** +/- 1% from
- **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
- **OVERLOAD:** 125% for 5 min.
- **HARMONICS:** less than 2% total harmonic content.
- **ELECTRICAL PERFORMANCE:** well within MIL-STD-704, ISO6858, GJB549-88

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

KVA	P.F	Rated Amps	Engine				Dimensions
			Manufacturer	Model	HP	RPM	
90	0.8	260A	CUMMINS	6BTA5.9	160	2000	128x66x73 in. (3255x1680x1850)mm



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SPECIFICATIONS TO CHANGE WITHOUT NOTICE



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