

APS150A SOUND ATTENUATED DUAL VOLTAGE/60HZ

FEATURES:

EMISSIONS:

- EPA Tier 3 Certified at 60Hz applications

PERKINS 1106D-E66TA ENGINE:

- Reliable, rugged, durable design
- Four-stroke-cycle diesel engine
- Dependable

MARATHON MARINER 431PSL GENERATOR:

- Designed to match performance and output characteristics of diesel engines
- Permanent magnet excitation

ENCLOSURE:

- Made with 12-gauge steel
- Single point lifting eye
- Sound attenuated
- Convenient hand holds and steps for safe operation
- Two coat polyester powder-coated finish

ENVIRONMENTALLY FRIENDLY DESIGN:

- Sound attenuated for low noise operation
- OSHA compliant safe design
- Spill containment for coolant and oil
- UL142 certified dual wall fuel tank[®]

MULTI-VOLTAGE DISTRIBUTION PANEL:

- Dual voltage
- Load door safety switch
- Rust-free hinges on all doors
- Adequate space for line and plug connection without interference
- Remote start and stop contacts

Complete systems designed and tested at Altorfer Power Systems

Standard Features

Air Inlet System	Air cleaner, dual element Turbocharger	Fuel System	Primary fuel filter/water separator UL142 dual wall fuel tank 300 gal (1135 L)
Charging System	Battery charger Charging alternator	Generator	Brushless, permanent magnet Coastal corrosion protection Shock mounted DVR2000E voltage regulator UL approved Three-phase 480/277 and 240/139 voltage Class H insulation
Control Panel	Generator controls and monitoring Fuel tank monitoring Engine controls and monitoring Digital displays	Mounting System	Generator soft mounted to base Base contains integral fuel tank Structural steel design Oil and coolant spill containment
Cooling System	Fan and belt guards Engine mounted radiator Air to air after cooling Jacket water heater with thermostat, shut-off valves	Starting System	Electric starting motor Battery set with disconnect switch
Distribution Panel	Lockable doors Load door safety switch, (trips breaker upon door opening) Individual bus bar connections Circuit breaker with 12 volt shunt trip Remote start/stop contacts Shore power connections 1-50A 250V receptacle 1-20A 250V receptacle 2-20A 120V GFCI 2-15A 120V GFCI	Trailer	Full frame support Independent tandem axle [®] trailer frame with tongue Electric actuated hydraulic brakes with rechargeable battery backup break-away system Over center mechanical parking brake Full length fenders Non-skid surface on steps Heavy duty safety chains and grab hooks Reinforced 10,000 lb (4540 kg) top wind drop jack
Enclosure	Sound attenuated 12-gauge steel Lockable doors Separate vented battery compartment Single point lifting Exterior oil and water drains with exterior valves Hidden exterior fuel drain Hand holds and steps Powder coated finish		

SPECIFICATIONS

MARATHON MARINER GENERATOR

Frame size.....431
 Type.....Permanent magnet brushless
 Construction.....Single bearing, close coupled
 Three-phase.....12 lead reconnectable
 Insulation...Class H with coastal insulation protection
 IP rating.....22
 Alignment.....Pilot shaft
 Voltage regulator.3-phase sensing with volts-per-hertz
 Voltage regulation.....+/- ½% steady state/+/- ½% no load to full load

PERKINS 1106D-E66TA ENGINE

4 stroke-cycle water-cooled diesel
 Bore – in (mm).....4.13 (105)
 Stroke – in (mm).....5 (127)
 Displacement – cu in (L).....403 (6.6)
 Compression ratio.....16.2:1
 Aspiration.....Turbocharged AA charge cooled
 Engine control.....A4E2

EMCP 4.2 CONTROLS

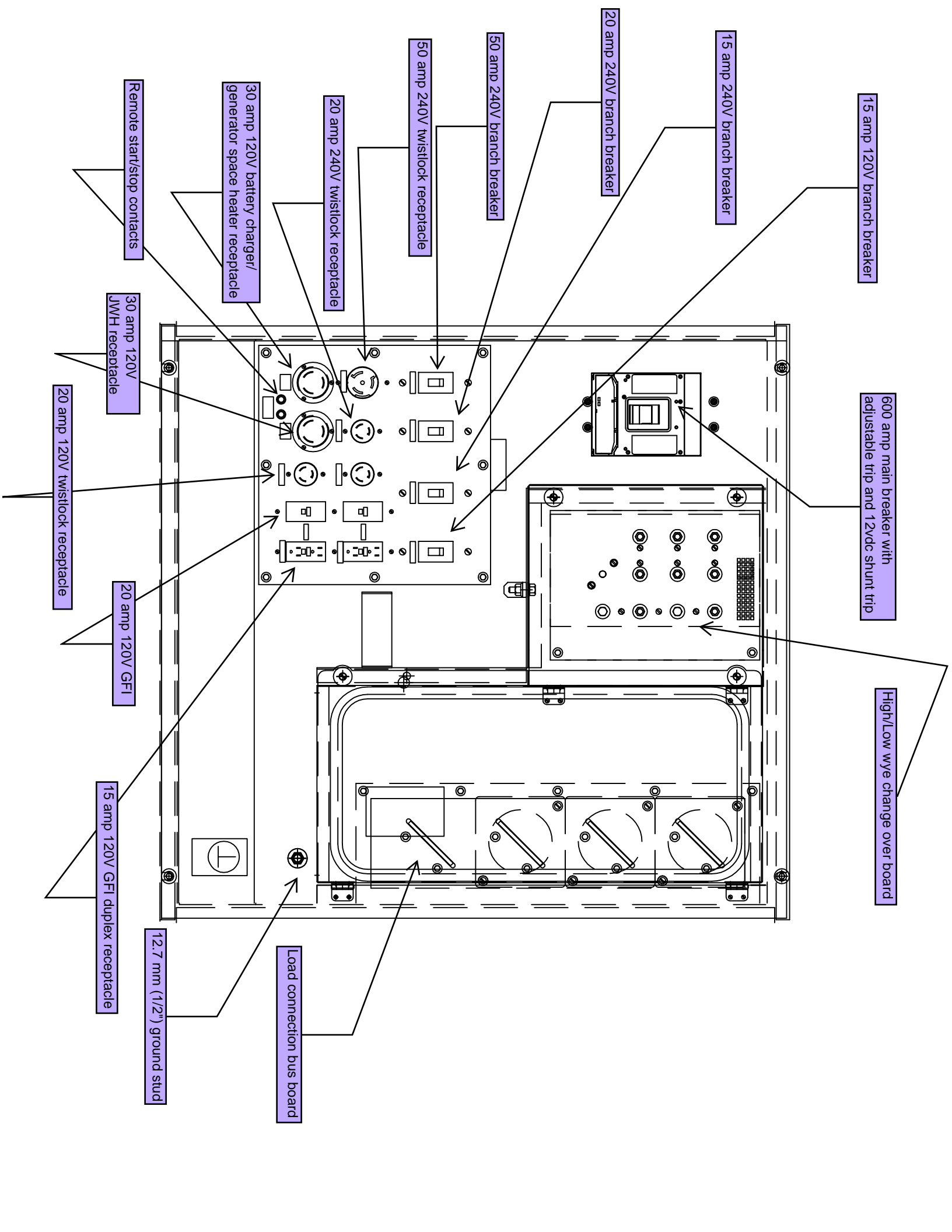
12 Volt DC Control
 NEMA 1
 Lockable hinged door
 Enclosure mounted
 Single location customer connection point
 Electric fuel level gauge

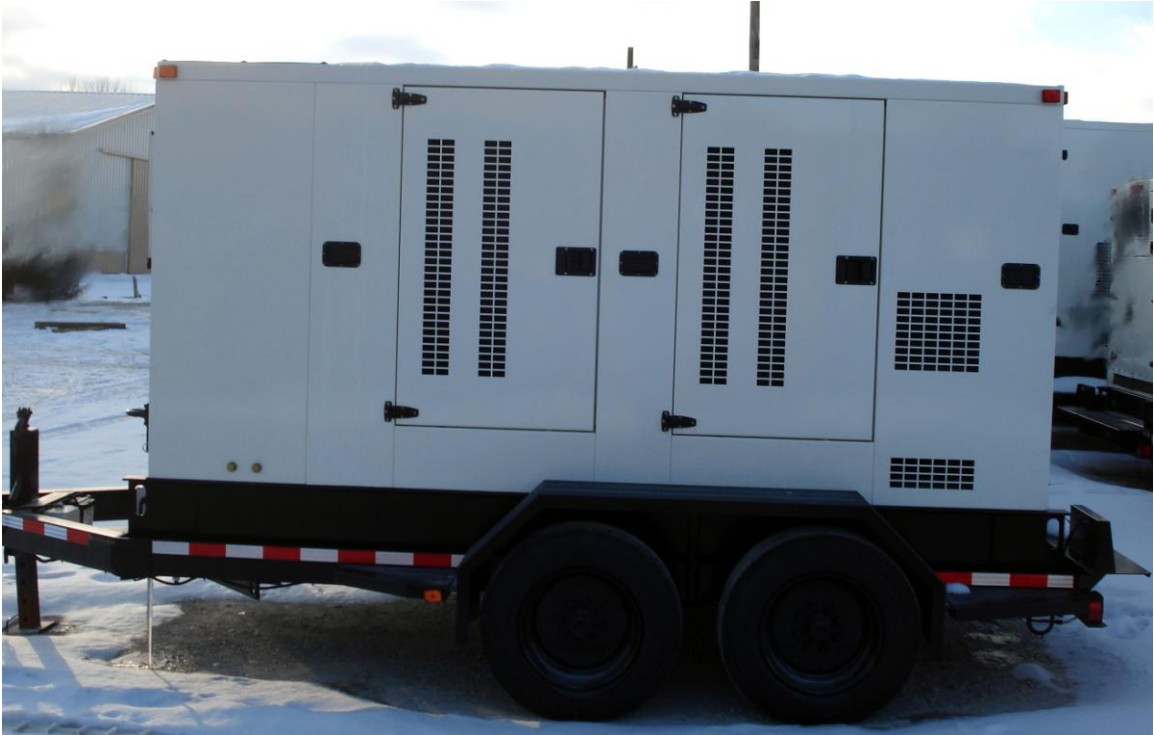


TECHNICAL DATA

Power Rating 60Hz	ekW/kVA	Standby 150/187.5
Engine Information Model		1106D- E66TA
Shipping Weight (dry) Unit with trailer	lb (kg)	10,850(4921)
Max. Fuel Cap. Weight Unit with trailer	lb (kg)	13,100 (5942)
Ambient Capacity (Estimated)	Deg F Deg C	109 43

Engine Lubricating Oil Capacity	Gal L	4 15
Engine Coolant Capacity with Radiator	Gal L	4 15
Fuel Tank Capacity	Gal/L	300/1136
Fuel Consumption @ 100% load	Gal(L)/ hr	11.3(42.7)
Fuel Consumption @ 75% load	Gal(L)/ hr	9.4(35.6)
Running time at 75% load	Hrs	32
Sound Level		
Standby	dB(A)	74.8
No load @ 7m (23 ft)	dB(A)	70.1





Package Dimensions (with trailer)

Length	213 in	5385 mm
Width	84 in	2134 mm
Height	109 in	2769 mm
Weight (full fuel)	13,100 lbs	5942 kg