



## **APS150 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**

<b>Air Inlet System</b>	Air cleaner, dual element Turbocharger	<b>Fuel System</b>	Primary fuel filter/water separator UL142 dual wall fuel tank 300 gal (1135 L)
<b>Charging System</b>	Battery charger Charging alternator	<b>Generator</b>	Brushless, permanent magnet Coastal corrosion protection Shock mounted DVR2000E voltage regulator UL approved Three-phase 480/277 and 240/139 voltage Class H insulation
<b>Control Panel</b>	Generator controls and monitoring Fuel tank monitoring Engine controls and monitoring Digital displays	<b>Mounting System</b>	Generator soft mounted to base Base contains integral fuel tank Structural steel design Oil and coolant spill containment
<b>Cooling System</b>	Fan and belt guards Engine mounted radiator Air to air after cooling	<b>Starting System</b>	Electric starting motor Battery set with disconnect switch Jacket water heater with thermostat, shut-off valves
<b>Distribution Panel</b>	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	<b>Trailer</b>	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
<b>Enclosure</b>	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

### DSE 5310 CONTROLS

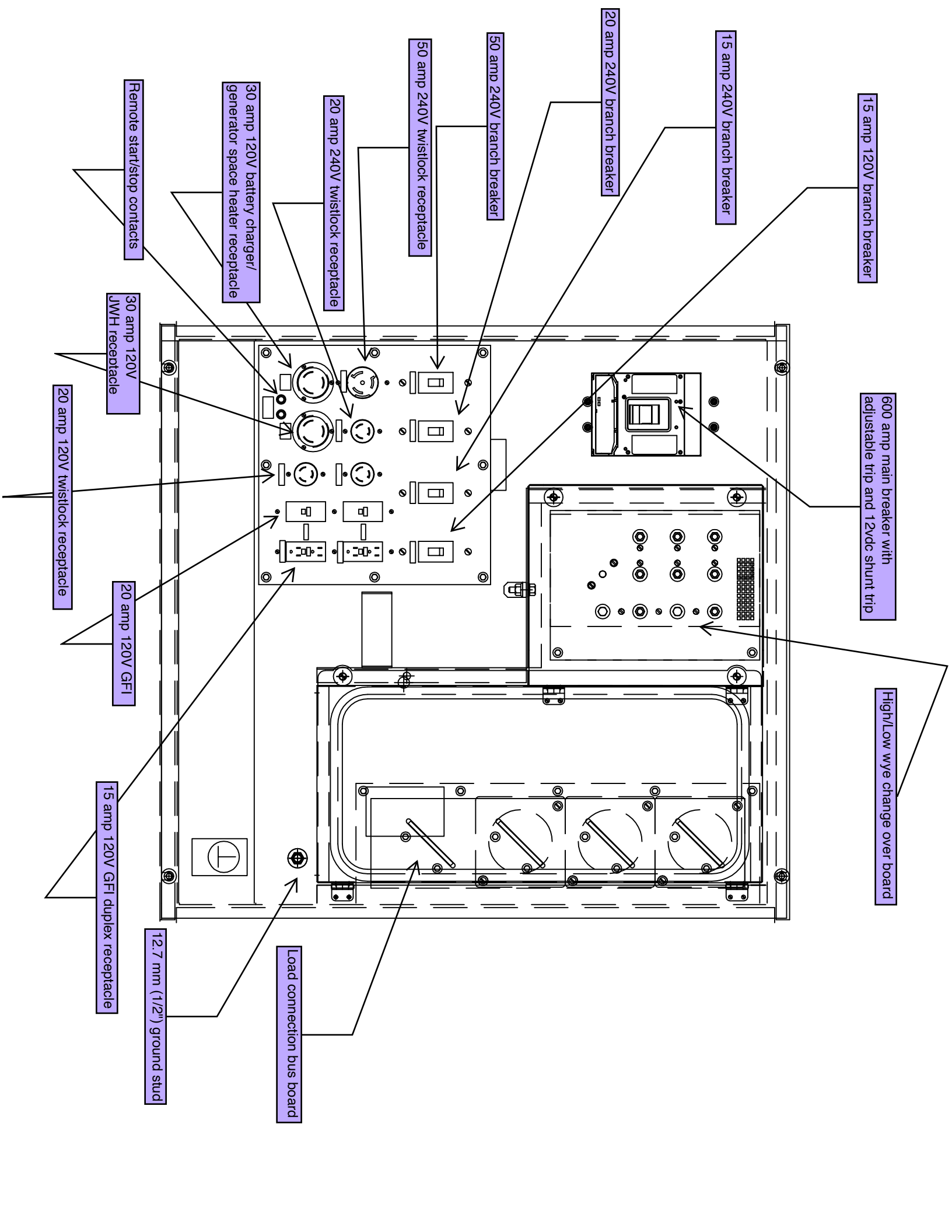
12 Volt DC Control  
 NEMA 1  
 Lockable hinged door  
 Enclosure mounted  
 Single location customer connection point  
 Alarm module with alarm horn  
 Electric fuel level gauge



### TECHNICAL DATA

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



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