

# 25 kW Standby Generator

## Model - AGi25P-E

**AURORA**  
Generators

|                        |                                |
|------------------------|--------------------------------|
| <b>Power</b>           | 25,000 watts                   |
| <b>Voltage</b>         | 120 V - 200 A<br>240 V - 100 A |
| <b>Engine</b>          | Perkins - 4 Cylinder Diesel    |
| <b>Alternator</b>      | Mecc Alte - Brushless with AVR |
| <b>Instrumentation</b> | DynaGen - TG350 Auto-start     |
| <b>Sound Level</b>     | <76 dB @ 23 ft.*               |
| <b>Fuel Tank</b>       | 12 gal / 45 L                  |
| <b>Shipping Weight</b> | 1525 lb                        |
| <b>Dimensions</b>      | 40" x 60" x 47" (enclosed)     |



### HIGH-PERFORMANCE COMPACT DESIGN

This compact generator is powered by a high-performance diesel engine matched with a maintenance-free alternator to deliver industry-leading fuel efficiency, reliability and product life. In addition, Aurora generators can withstand heavy use demands in both home and industrial applications. Aurora generators are all two-wire start compatible.

### PERKINS ENGINE

A new, clean, high-performance diesel engine powers this generator. You can expect over 20,000 hours of engine life with minimal maintenance and an oil change interval of up to 500 hours. The engine uses glow plugs that operate automatically with the generator controller to maximize efficiency for easy cold-weather starting. A factory warranty backs up all Perkins engines. It is fully comprehensive and covers parts, labour and other related items.

### MECC ALTE ALTERNATOR / GENERATOR

Aurora uses industrial-class alternators for power generation. The voltage is regulated to 1% precision using a digital voltage regulator to produce clean, safe, reliable power for all sensitive electronics. In addition, since they are brushless alternators, they require no maintenance.

Mecc Alte C type alternators are designed to operate even in harsh conditions and can take an overload of >300% forced current for up to 20 seconds – perfect for motor starting requirements.

### INTEGRATED FUEL TANK

A fuel tank is located in the generator's base frame. The generator controller monitors the fuel level inside it and warns you when it is low. Then, for trouble-free restarting, the controller can shut down the generator before the tank is empty. Larger fuel tanks are available for extended run times.

### INSTRUMENTATION AND CONTROL

DynaGen tough series controllers provide clear generator instrumentation protection and control. They can operate in harsh conditions with severe duty and extreme shock and vibration protection. Some functions include auto-starting and exercise, electrical and engine monitoring, adjustable warning and alarm modes with auto-shutoff, and event logging for easy diagnostics and troubleshooting. Easily reconfigure settings using front panel buttons or free software. Settings can be password-protected to prevent accidental changes or tampering.

### OPTIONAL WEATHER ENCLOSURE

The generator is housed in an acoustic sound and weather enclosure made of galvanized steel and assembled with stainless steel fasteners. It has a powder-coated finish for superior corrosion resistance.

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| Engine               |  |
|----------------------|--|
| Make & Model         | Perkins 404D-22TG                                  |
| Power                | 25.6 kWe Prime<br>28.2 kWe Standby                 |
| Emissions            | U.S. EPA T4i Stationary & CARB                     |
| After Treatment      | None   |
| Cylinders            | 4  |
| Aspiration           | Turbocharged                                       |
| Injection System     | Indirect injection                                 |
| Displacement         | 135.2 in <sup>3</sup> / 2.216 L                    |
| Cooling System       | Radiator water cooled                              |
| Coolant Capacity     | 2.4 gal / 9.3 L                                    |
| Lube Oil Capacity    | 2.8 gal / 10.6 L Max                               |
| Cold Starting Aid    | Glow plugs   |
| Maintenance          | 500 hr oil change interval                         |
| Electrical           | 12 V / 40 A alternator                             |
| Minimum Size Battery | Group 24 / 750 CCA                                 |
| Fuel Consumption     | 50% - 1.10 gal / 3.81 L<br>75% - 1.51 gal / 5.72 L |
| Weight               | 533 lb / 242 kg                                    |
| Warranty             | 2 yr / 3000 hr*                                    |

| Alternator                |  |
|---------------------------|--|
| Make & Model              | Mecc Alte NPE32 L4 C*                                |
| Type                      | 1800 RPM, 4 pole, brushless, AVR, dedicated windings |
| Power                     | 25.0 kW  |
| Voltage                   | 120 V / 240 V  |
| Voltage Regulation        | DSR auto voltage regulator / $\pm 1\%$               |
| Total Harmonic Distortion | Full Load L-N <3.0%                                  |
| Efficiency                | 82.5%  |
| Insulation                | Class H  |
| Approvals                 | UL / CSA C22.2                                       |
| Weight                    | 265 lb / 120 kg                                      |

| Fuel Tank    |                                       |
|--------------|---------------------------------------|
| Make & Model | Aurora AGi12F                         |
| Size         | 12 gal / 45 L                         |
| Material     | Steel - Satin coat                    |
| Finish       | Powder coated black sandtex           |
| Fittings     | Fuel pickup, return & vented fuel cap |
| Sensors      | Electronic fuel level sensor          |

| Generator Controller          |  |
|-------------------------------|--|
| Make & Model                  | DynaGen TG350  |
| Function                      | Instrumentation, protection & control  |
| Display                       | Oil pressure, temperature, voltage, fuel level, battery voltage, engine speed, frequency, status, hour meter, maintenance etc... |
| Protection                    | Automatic warnings & shutdowns   |
| Diagnostics                   | 150 event log  |
| Remote Starting               | Manual and/or 2-wire start   |
| Exercise                      | 16 channel weekly scheduler  |
| Standby Power                 | 60 mA @ 12 Vdc   |
| Operating Temperature         | Controller functions -40 to +70°C<br>Display viewing -20 - +70 °C  |
| Environment                   | Meets or exceeds SAE J1455 for vibration and shock   |
| Electromagnetic Compatibility | Meets or exceeds MIL-STD-461E  |
| Warranty                      | 5 yr / 17,500 hr   |

| Options           |  |
|-------------------|--|
| Weather Enclosure | Galvannealed satin coat steel, powder coated and UV rated, with all stainless steel fasteners. |
| TG410 Controller  | Includes Modbus communications and provides power and fuel consumption reporting               |
| Oil Pan Heater    | 125 W Thermostatically controlled (200°F / 93°C)   |
| 3 Phase Output    | 208, 240, 480 & 600 V  |
| Block Heater      | 120 V  |
| Battery Charger   | 2 A Smart charger  |
| Fuel Tank         | 50-400 gallon tanks  |

\* Specifications are subject to change without notice.