

10 kW Diesel Generator

Model - AGi10P

AURORA
Diesel Generators

Power	10,000 Watts Standby 9,000 Watts Prime
Voltage	120/240 Volts 80A / 40A
Engine	Perkins - 3 Cylinder Diesel
Alternator	Meccalte - Brushless with AVR
Instrumentation	DynaGen - TG350 Auto-start
Sound Level	<70 dB @ 23 ft.
Fuel Tank	12 Gallon / 45 L
Wt & Dimensions	950 lbs 57" x 33" x 43"(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-hour 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.

MECCALTE ALTERNATOR / GENERATOR

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

Meccalte 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 base frame of the generator. 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. For extended run times, larger fuel tanks are available.

INSTRUMENTATION AND CONTROL

DynaGen tough series controllers are used to provide clear generator instrumentation protection and control. They can operate in harsh conditions with severe duty, 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 constructed out of galvanized steel and assembled with stainless steel fasteners. For superior corrosion resistance, it has a powder-coated finish.

10 kW Diesel Generator

Model - AGi10P

AURORA
Diesel Generators

Engine	
Make	Perkins
Model	403F-11G
Power	9.8 kWm 13.1 HP @ 1800 RPM
Emissions	U.S. EPA & CARB Tier 4 Final
After Treatment	None
Cylinders	3
Aspiration	Naturally Aspirated
Injection System	Indirect Injection
Displacement	1.131 (cc) 69 (ci)
Cooling System	Radiator Water Cooled
Coolant Capacity	5.2 L Max 1.4 US gal
Lube Oil Capacity	4.4L Max 1.1 US gal
Cold Starting Aid	Glow Plugs
Maintance	*500 Hr Oil Change Intervals
Electrical	12 Volt 15 Amp Alternator
Starter Battery	525 CCA
Fuel Consumption	255 g/kWh (100% Prime Power)
Weight	520 lbs 236 kG
Warranty	2 Years / 3000 Hours

Alternator	
Make	Meccalte
Model	NPE32C-2S
Type	1800 RPM 4 Pole Brushless AVR Dedicated Wiring
Power	11.0 kW
Voltage	120/240 Volts Single Phase
Voltage Regulation	DSR Voltage Regulator ±1%
THD	Full Load L-N <3.0%
Efficiency	90%
Insulation	Class H
Approvals	UL / CSA
Weight	198 lbs 90 kG

Fuel Tank	
Make Model	Aurora AGi12F
Size	12 Gallon 45 Litre
Material	Steel - Satin Coat
Finish	Powder Coated Black Sandtex
Fittings	Fuel Pickup / Return / Vent
Fuel Cap	Vented Fuel Cap
Sensors	Electronic Fuel Level Sensor

Generator Controller	
Make	DynaGen
Model	TG350
Function	Instrumentation, Protection, Control & Auto-start Controller
Display	Oil, Temperature, Voltage, Fuel Level, Battery Voltage, Engine Speed, Frequency, Status, Hour Meter, Maintenance Counter..
Protection	Automatic Warnings & Shutdowns
Diagnostics	150 Event Log
Remote Start	2 Wire
Exercise	Built-in weekly scheduler
Standby Power	< 60 mA
Operating Temperature	Controller Function -40 to +70 C Display Viewing -20 - +70 C
Environment	Meets or exceeds SAE J1455 for vibration and shock
Electromagnetic Compatibility	Meets or exceeds MIL-STD-461E Conducted Emissions
Warranty	5 Years

Optional Weather Enclosure	
Material	Galvannealed Satin Coat Steel
Finish	Powder Coated / UV Rated
Hardware	All Stainless Steel

Options	
TG410 Controller	Adds J1939, Modbus, Canbus communications plus power & fuel consumption reporting.
Oil Pan Heater	125 Watt Heater (200°F 93°C)
Battery Charger	2 Amp
Fuel Tank	50 & 100 Gallon Double Wall cUL
Cellular Remote	Remote monitoring & control



* Specifications are subject to change without notice.