The new **GE-60 biomass generator — Model FR1** :
redesigned for a cleaner future, connected to nature.

Certified for indoor installation in a Biochamber.

A FOREST WAY OF LIFE

« Rediscover the forest,
reconnect with our roots. »

AIM FOR ENERGY INDEPENDENCE

The way you power your home impacts your carbon footprint. Choosing clean energy sources leads to sustainable energy independence. By producing your own energy—whether fully or partially—you're actively helping to fight climate change.

With the GE-60 FR1 generator, you can combine multiple energy sources more affordably than ever. Some users pair their biomass generator with electricity, geothermal energy, solar panels, wind power, or other renewable sources to create a system suited to their needs. Achieve energy independence with a hybrid solution.

AN ALTERNATIVE TO FOSSIL FUELS

What is residual forest biomass?

Residual forest biomass is energy produced from organic materials, such as wood, which is converted into fuel.

It can take the form of:

Clean construction site debris

Clean manufacturing waste

Recycled pallets

4-foot residual logs

AN ECONOMICAL, ECOLOGICAL, AND LOCAL ENERGY SOURCE

Choosing biomass means fighting global warming.

Economical

- Biomass is the least expensive energy source on the market.
- It's abundant, has no commercial value and, unlike fossil fuels, its price remains relatively stable.

Ecological

- Biomass transformation and transportation generate very little greenhouse gases.
- Trees recycle carbon dioxide, making wood heating carbon-neutral and therefore climate-neutral.

Local

- Biomass is produced right here in our region, providing energy security and sustainable independence.
- It supports the local economy by creating local jobs.

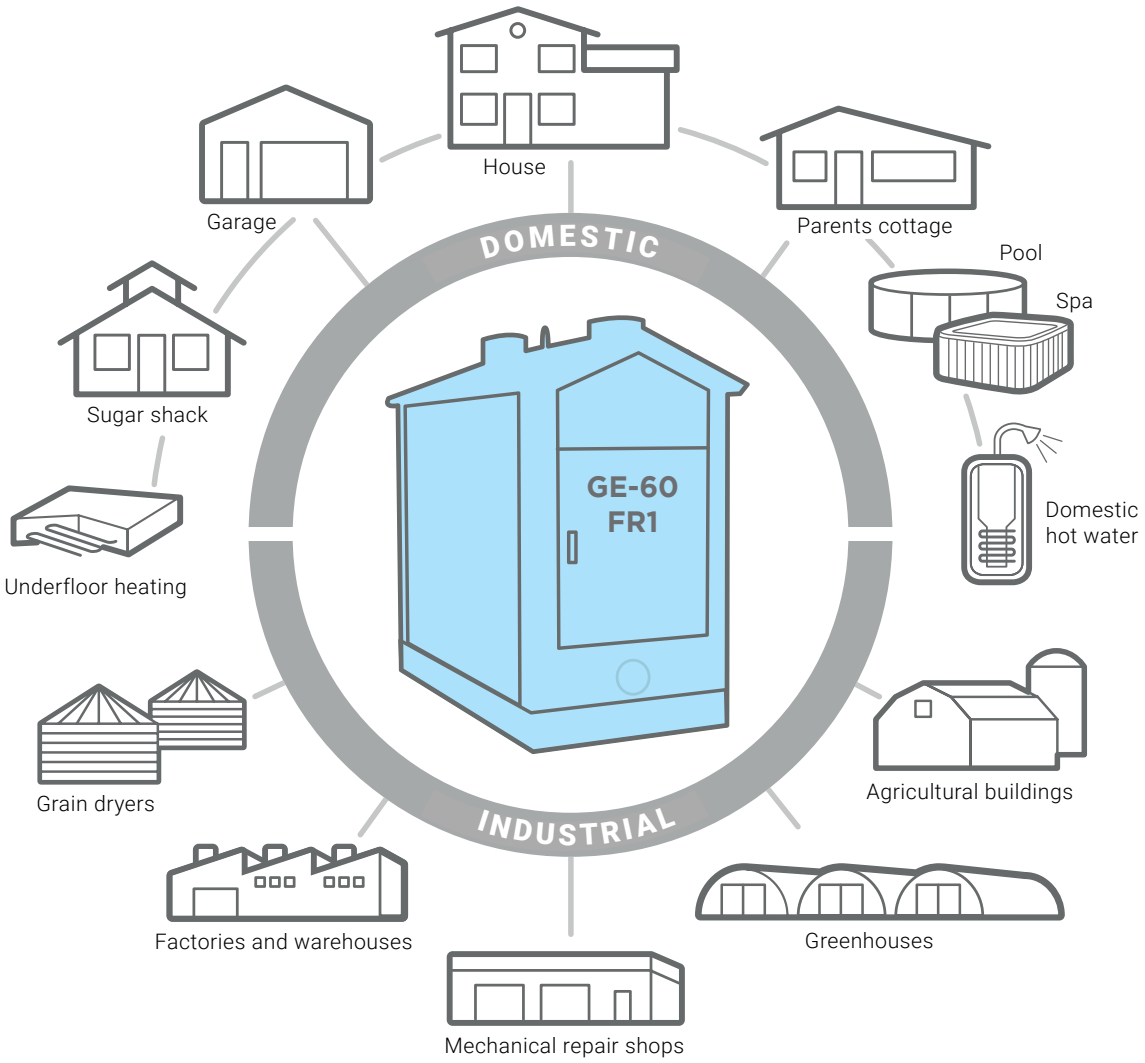
CERTIFIED INDOOR INSTALLATION

The new GE-60 series generators meet the highest safety standards and are certified for indoor installation in a structure called a Biochamber. This new type of boiler station helps reduce the moisture content of wood and provides a comfortable space to load your biomass generator.

THE NEW GE-60 SERIES

Versatile and High-Performance Biomass Generators

Designed and certified for indoor installation in industrial settings, these centralized systems can simultaneously heat multiple buildings, such as mechanical repair shops, warehouses, factories, and farm buildings, and power other energy-intensive applications, such as dryers or continuous on-demand hot water production. The more heating you need, the more you save.



INSPIRED BY A WORLD-RENOWNED **COMBUSTION TECHNOLOGY**

Our Platinum 750 wood boiler is recognized worldwide for its efficiency, power, and unrivalled cleanliness. With emissions as low as 0.04 grams of particulates per megajoule, our Blue Sky technology sets the standard for clean combustion.

Performance and Accessibility With the GE-60 FR1

Our GE-60 FR1 model's advanced combustion system was heavily inspired by this technology. Equipped with modulating blowers, the furnace precisely controls the oxygen supply in the combustion chamber, ensuring optimal gas management. This innovation allows the GE-60 FR1 to deliver great performance while remaining cost-effective.

1

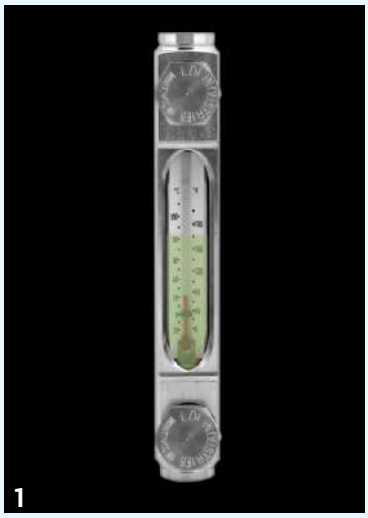
Effective gas management
provided by the heat recovery unit, a device which captures a high percentage of the energy contained in the vapours released during wood combustion.

2

Optimal oxygen supply
enabled by two modulating blowers.

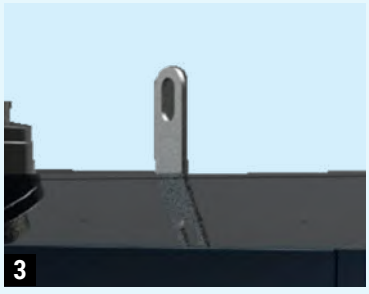
EASY INSTALLATION
IN A BIOCHAMBER

Here are some features that simplify the installation process.



The auxiliary expansion tank
to hold excess hot fluid as it expands.

The circulator assembly
meticulously assembled at the factory to your requirements.



The handling support
for lifting the generator with a lifting hook.

* The Sequoia generator must never be handled by the support when it is filled with fluid.

The practical base
for quick and easy installation, with side openings for forklift tines.

The 409 stainless steel construction
for excellent heat transfer and increased durability.

The soy urethane spray insulation
to maintain the temperature of the fluid inside the generator and prevent heat transfer to the outer shell.

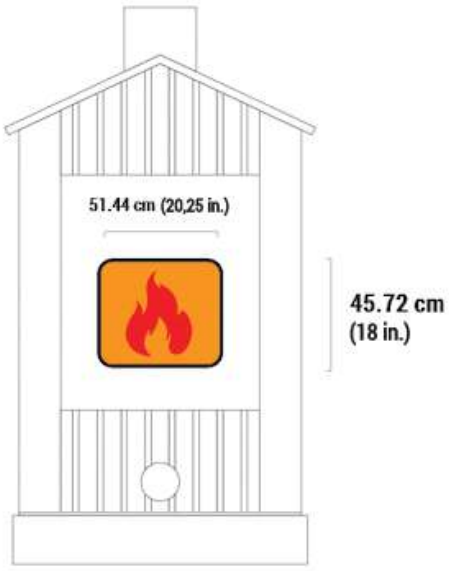
The ash removal screw
to allow maintenance without interrupting the generator's operation.

THE INTEGRATED HOOD

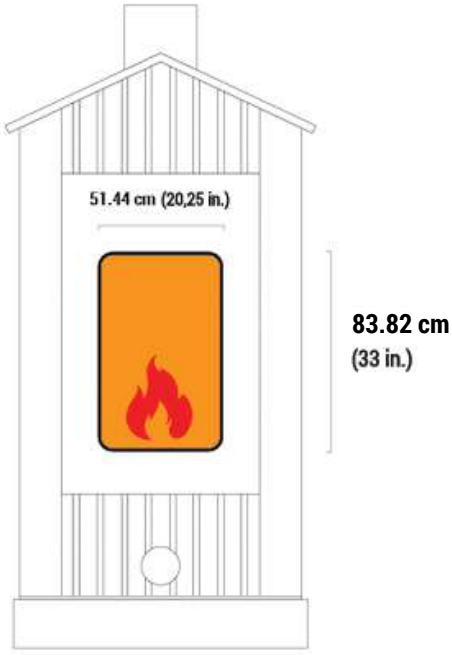
Another feature that makes the new GE-60 series generator easier to install in a Biochamber is its integrated hood, which captures smoke at the source during loading.

EASY LOADING AND EXCEPTIONAL AUTONOMY

The GE-60 FR1 is suitable for a wide range of applications, but the GE-60 SP FR1 has a 40% larger combustion chamber and taller door for easier loading and extended autonomy.



GE-60 FR1



GE-60 SP FR1

NEW CAST-IRON GRATES

Positioned at the bottom of the combustion chamber, the new Abeille grates provide the base for the biomass load.

The new Abeille grates are made of cast iron and coated with Permalisse, a refractory coating developed by Sequoia.

These durable grates help reduce the amount of ash, while increasing the unit's power.

MONITOR YOUR SYSTEM REMOTELY WITH **THERMINAL**, A MOBILE APP AT YOUR FINGERTIPS

With the Therminal app, you're always connected to your GE-60 FR1 generator. This software provides a range of information and tools to help optimize your system's performance.

THE MANY FEATURES OF THERMINAL

- Get the data you need on your GE-60 FR1 generator.
- Access remotely.

Also :

- Receive email alerts when wood levels are low.
- Adjust stop and start temperatures.
- Configure Loading and Pilot modes.
- Customize settings to suit your preferences.

VERSATILE HEATING FOR SUSTAINABLE LIVING

With its wide capacity and versatility, this heating system is well suited for agricultural and industrial environments. Ideal for producing large quantities of hot water and providing comfort and autonomy, it adapts to various requirements.

GREEN ENERGY GRANT

You could save up to **75%**

Product eligible for business grant

on the cost of analyzing and installing a Sequoia biomass generator. Whether you're making a full or partial transition from your current heating system, various government programs are available to replace fossil fuel heating equipment and reduce GHG emissions.

For more information, contact us! We'll guide you through the process.

LIVING IN HARMONY WITH NATURE

"The Sequoia GE-60 FR1 was the solution I had been looking for to live in harmony with the forest. Not only do I generate clean energy for my workshop, but I also help preserve our ecosystem by using local, sustainable resources. It's more than just a generator — it's a way of life."

Jean-François Turgeon,
Hatley (Quebec)

A **10-YEAR WARRANTY —** THAT TOO IS MADE TO LAST

	GE-60 FR1	**GE-60 SP FR1**
Power	Heat output capacity: **525,000 BTU/h** (153.9 kWh)	Heat output capacity: **550,000 BTU/h** (161.2 kWh)
Fluid	Fluid capacity: **750.00 L**	Fluid capacity: **930,00 L**
Dimensions and Weight	Overall length: 101 ½ in. Overall width: 50 ½ in. Overall height: **91 in.** Chimney size: 8 in. Weight without fluid: **4,500 lb**	Overall length: 101 ½ in. Overall width: 50 ½ in. Overall height: **106 in.** Chimney size: 8 in. Weight without fluid: **4,900 lb**
Combustion Chamber	Depth: 59 ¾ in. Width: 27 in. Height: **30 in.** Door width: 20 ¼ in. Door height: **18 in.**	Depth: 59 ¾ in. Width: 27 in. Height: **45 in.** Door width: 20 ¼ in. Door height: **33 in.**
Maintenance	Front of boiler (NEW)	Front of boiler (NEW)
Use	Indoor / Outdoor (NEW)	Indoor / Outdoor (NEW)
Warranty	**Sequoia offers a 10-year limited warranty** against manufacturing defects and perforation due to corrosion on the GE-60 FR1.	**Sequoia offers a 10-year limited warranty** against manufacturing defects and perforation due to corrosion on the GE-60 SP FR1
Certifications and Compliance	CSA B366.1-11 C22.2 #3-88	CSA B366.1-11 C22.2 #3-88

SEQUOIA

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