

Dear Sir,

Thanks for contacting SteamGen for your generator needs.

I have included a couple of info sheets to help you understand the operation of a steam engine and steam power

Right now the only available model is the 10KW. This complete, ready to run, genset has a Simple compound engine, a Windpower PTO Generator, a Beckmann Boatshop 150 psi boiler, a PumpTec high pressure feedwater pump, engine driven feedwater pump all mounted on a single axle trailer as standard equipment. This is not a kit.

This model list for \$25,000, FOB Tulsa OK. USA

Any float switches, automatic controls, condensers, hot tanks, vacuum pumps, and associated plumbing can be added at cost plus \$50/hr. It is understood that the owner (you) will have the mechanical ability to use, operate and modify this system for your needs. This will save you a tremendous amount of money.

SteamGen gensets are usually used to augment a preexisting solar/wood/ water alternate energy systems to charge a battery bank, operate welders, submersible pumps, shop equipment or to act as a standby generator. My boiler operates at 150 psi when you use the steam engine. While using the steam engine you can use the exhaust, which is at 212 F to heat your house, either directly using a steam radiator or by using a heat exchanger in conjunction with a hydronic heating system. The steam engine actually becomes a pressure reducer for your heating system, all the while generating electricity. If you wish not to produce steam/electricity but do wish to heat the house, you can do so by redirecting the hot water in the boiler using valves and a standard hot water re-circulating pump that you install. Then you can heat your house directly from the boiler.

SteamGen steam engine powered generators are able to use bulk fuel (firewood). This requires that you continuously feed the firebox with small pieces of fuel to maintain a hot fire. While feeding the firebox at the boiler you will manually operate the boiler controls. Therefore there is no need for automatic controls to operate the feedwater pumps to maintain water and steam levels. This saves you a tremendous amount of money, as automatic controls will triple the price. SteamGen generators require 100% supervision, but operating a boiler is not rocket science. Your teenage son or SO can operate the boiler as you operate the shop equipment.

SteamGen GenSets cannot be left to run unattended, unless you are using the boiler to heat the house only. That will require that you install a float switch to operate the 12-volt feedwater pump. If you find that the labor involved with the operation of a steam engine powered generator is beyond what you had in mind, or you may not have a large supply of bulk fuel readily available to you for free. You may find that a diesel-powered generator may better fulfill your generator needs. Remember that that 5 years of operating that diesel generator in fuel cost will pay for a GenSet from SteamGen.

See us at the Midwest Renewable Energy Fair at the Earth Institute, MREA's educational facility, in Custer, WI (just 7 miles east of Stevens Point). June 18-20. <http://www.the-mrea.org/>

If you have any question please feel free to call or e-mail

Sincerely,

Wes Gordon
SteamGen