



American Energy Systems Inc
Technical Bulletin
Running Stove on Heat Setting Number 5

Product models covered: Magnum Corn / Wood Pellet / Biomass Appliances

Topic: This technical bulletin will be addressing running a Magnum stove on the heat level setting number 5, what may happen, what is recommended, and how to handle any issues that arise so that normal operation can be resumed.

Information:

The appliances are designed to run on any heat setting and it will not damage the appliance. Running a stove on the #1 setting for a continued length of time might soot up the heat exchangers, plug the venting and cause maintenance issues. This is something like a car engine idling for days and getting carboned up. On the high setting it is a matter of efficiency, filling of the firepot, overheating the room area and possibly causing a shut down of the appliance.

All of our appliances run at peak efficiency on the #3 heat setting. Running on the high setting for long periods of time usually overheats the room and sends excessive heat out of the chimney. Some customers have large homes and need the heat though so then it is fine to run on the higher settings. Some fuel especially low quality fuel will fill up the firepot after 6-8 hours of time if you are on the high setting. This just means that you need to stir the fuel in the firepot, more often on the high settings. The Countryside product has a feature on the board that automatically adjusts the heat range down for a little while to burn up excessive fuel. On the other units you need to manually turn them down. If you have a large home it is best to hook up to a wall thermostat so that the unit will cycle from high to low to burn up the fuel.