



How many btu's is the CheapHeat

Technical:

When talking about heat output, remember that a gas furnace is only 60% efficient, 40% of the heat goes out the flue. But an Electric heater has no flue so its 100% efficient. So this means a 40,000 btu furnace has only 24,000 btu output.

Additionally a gas furnace has a 60 sec pre-purge cycle and a 90 sec post-purge cycle. Which means that for every heating cycle there is 2 1/2 minutes of run time with no flame (heat). After taking into consideration the 2 1/2 minutes of no fire each heat cycle, along with the efficiency issues your true output into the coach with a 40,000 btu gas furnace is about 20,000 btu when measured at the register.

The 100% efficient CheapHeat™ DH50 has a true 17,500 btu output to the register (Add-On or Stand-A-Lone) or just under 90% of a 40,000 Btu gas furnace output.

All of that being said because the Gas Furnace is NOT UL certified it is not required to meet the same standards as our elect. We are not allowed to have an internal temperature of 200 F Degrees. The gas furnace people run theirs at 300 F Degrees with no overheat fail safe like our fusible link.

Electrical:

The DH50 21 amps per leg on 50-amp service (about the same as 2 roof AC)

The DH37 16 amps per leg on 50-amp service (about the same as 2 roof AC)

The DH18 16 amps per leg on 30-amp service (about the same as 1 roof AC)

The DH50 leaves 29 amps per leg to run the coach (**58 amps at 120 VAC to run the coach**).

The DH37 leaves 34 amps per leg to run the coach (**68 amps at 120 VAC to run the coach**).

The DH18 leaves 14 amps to run the coach (**14 amps at 120 VAC to run the coach**).