

STATE BUILDING CODE INTERPRETATION NO. 02-07

CODE: 2001 Washington State Energy Code

SECTION: 1411.1 General

QUESTION:

1. What constitutes a “Furnace” for the purposes of determining the jacket heat loss? Is it a piece of equipment listed and labeled as a “Furnace”? On a piece of equipment that contains cooling, heating, filtration, controls, fans, etc. which parts, if any, are classified as the “Furnace?”
2. At what temperature differential is the jacket heat loss to be calculated? It appears that this is left to the discretion of the designer, manufacturer and/or the building official, is this correct?

ANSWER:

- 1. A furnace is defined by the listing and rating provided by the manufacturer, i.e. “Warm Air Furnaces”. This requirement does not apply to appliances listed as “Duct Furnaces”. See also Table 14-1E.**
- 2. The jacket loss test is to be performed as specified in the appropriate safety standard for furnaces as listed in Table 14-1E.**

SUPERSEDES: None

REQUESTED BY: City of Seattle