

PLUMBING AND MECHANICAL INTERPRETATION MANUAL



CODE: 2003 International Energy Code

DATE:

CODE REF: Table 502.2.5, 503.2 and 503.3.3

12/28/2005

SUBJECT: Seer Rating and Duct Insulations R ratings.

The City of Dallas has adopted the 2003 IECC; however with the adoption we have new requirements for SEER ratings for A/C and Heating equipment and Duct insulation. These new requirements come from National Appliance Energy Conservation Act (NAECA).

These requirements become effective January 23, 2006. These requirements can be viewed in detail from Department of Energy web site.

(http://www.energycodes.gov/residential_ac_hp.stm).

Products manufactured prior to January 23, 2006 to the older standards may be sold and installed after this date until existing stock is exhausted. Projects permitted prior to this date will not be required to conform to these requirements.

Dallas is located in Climate Zone 5 and falls under the 2000-2499 HDD (Heating Degree Days, base 65°) A/C ducts located in unconditioned attics or outside the building will be required to conform to the following;

Any other trade-offs previously approved prior to 01/23/06 will not be allowed unless the Energy System Lab (ESL) has approved them as being compliant with the NAECA.

Attached you will find a letter of explanation from Energy System Laboratory (ESL) for a more comprehensive explanation of these issues. Enforcement of these requirements will apply to the **scope of the work** only.

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| SEER 13/R-8, R4 |
| SEER 14/R-6, R6 |
| Energy Star |
| SEER 13/R^, R-6 and improved windows |
| IECC Chapter 4 System Analysis |
| SEER 10 or higher (mfd. before 1/23/06) / R-8, R-4 no trade-offs |
| IRC Chapter 11, where applicable, SEER 10 or higher (mfd. before 1/23/06), or SEER 13, prescriptive requirements |

Scope of Work: If only that part of the system is being replaced will be required to comply with these requirements. If all the system (condensing unit, line set, furnace and duct work is being replaced then all the system must meet the energy code requirements.

SIGNATURE: *Lonnie Erwin,*

Chief Plumbing and Mechanical Inspector
City of Dallas

