
From: Fillion, Craig <Craig.Fillion@kcdbrands.com>
Sent: Thursday, December 05, 2013 11:59 AM
To: 'appliances@energystar.gov'
Cc: DeSalvo, Tom
Subject: RE: ENERGY STAR Room Air Conditioner Framework Document

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To Appliances at Energy Star:

Here are Kenmore Product Development Engineering Management's comments on the Energy Star issue for Room Air Conditioners going forward:

Improved Installation Practices:

Questions for Discussion:

1.) Are the NREL's findings of 5-10% energy savings from better installation consistent with other stakeholders' experience?

We do not have data associated with energy savings through the use of different materials to complement installation of a window air conditioner.

2.) What are some of the ways manufacturers could design/package room ACs to improve installation quality for all window types? What installation materials/accessories would be practical for manufactures to include with a room AC, considering the variety of window types/sizes that a given room AC may be installed in? How can installation quality be improved while ensuring room ACs continue to be simple for consumers to install?

Windows vary in size and construction. It would be very difficult to include with the room air conditioner items appropriate for all applications beyond what presently is included – foam of a sufficient cross sectional dimension to seal top and bottom sash. Recommendations could be included in the installation manual for enhanced energy savings methods for use as side panels in place of the existing accordion style extensions.

3.) What tools do manufacturers and retailers currently use to educate consumers about installation? How might EPA support further customer engagement and education on installation, either through product packaging requirements, website resources, and/or other means?

Presently only the use and care or installation manual guides the customer through the installation process. It would be good to have the EPA develop videos describing enhanced installation techniques.

Component Improvements:

Our manufacturing partners are the best resource to answer these questions. However, we strongly believe that safety is paramount in appliance design and use. Only refrigerants that are non-combustible should be considered.

Reducing Evaporator Recirculation:

Question on method of test should be directed to ASHRAE SPC16. This standard is presently being updated by a team of industry experts.

New Refrigerants:

Our manufacturing partners are the best resource to answer these questions. Only refrigerants that are non-combustible should be considered.

Connected Functionality:

Connected functionality will most likely entice the customer to use more of the programming features of the air conditioner, especially ones that are not enabled now. This will result in more energy efficiency because it will be simpler to do so than with on the wall

programming now. As more local power companies become able to take part in and initiate Demand Responses, further energy savings will be enabled by more customer participation.

Potential to Include Portable ACs:

The use of portable room air conditioners is growing. The Energy Star program should judge these portable room air conditioners separately. A totally separate rating system should be developed.

Thank You.

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From: EPA ENERGY STAR [<mailto:appliances@energystar.gov>]

Sent: Monday, November 04, 2013 3:38 PM

To: DeSalvo, Tom

Subject: ENERGY STAR Room Air Conditioner Framework Document

This message contains graphics. If you do not see the graphics, [click here to view](#).



Dear ENERGY STAR® S Room Air Conditioner Partner or Other Interested Party:

Please see the attached important correspondence from the U.S. Environmental Protection Agency concerning the ENERGY STAR Room Air Conditioner Framework Document. Stakeholders are encouraged to provide written comments to appliances@energystar.gov by December 9, 2013.

Thank you for your continued support of the ENERGY STAR program.

For more information, visit: www.energystar.gov

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