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Title: Bard Wall-Mounts and the 2006  
Federal Energy Efficiency Standards

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Bard Manufacturing is pleased to inform you that current Bard wall-mounts and Q-Tec products in both air conditioning and heat pump versions are not regulated by the new NAECA 13 SEER/7.7 HSPF efficiency requirement for residential products that becomes effective on January 23, 2006. .

- **Commercial vs. Residential** The Department of Energy has ruled that wall-mounts and Q-Tec series units are commercial products and are not included in the NAECA 13 SEER/7.7 HSPF efficiency standard rulemaking developed for residential products. Bard products are covered by EPACT, which establishes commercial product efficiency requirements. EPACT commercial standards more accurately reflect the commercial applications where Bard wall-mounts are applied.
- **The SPVU Classification:** ASHRAE 90.1-2004 and the Air Conditioning Refrigeration Institute [ARI] have developed a new product classification - Single Package Vertical Unit (SPVU). New certification standards have been developed for this new SPVU classification, which means that Bard wall-mount units are certified under the ARI standard ARI-390. This standard encompasses all Bard wall-mount air conditioners, wall-mount heat pumps, wall-mount gas/electric units and Q-Tec units. The new air conditioner (SPVAC) and heat pump (SPVHP) classifications are referenced in the ASHRAE Standard 90.1-2004 (Table 6.8.1D.)
- **SEER vs. EER:** The SPVU classification will require Bard products to be certified with an **EER** cooling efficiency rating rather than an **SEER** rating, and a **COP** heating efficiency rating rather than an **HSPF** rating. Bard specification sheets are being revised to reflect these changes as well. *(Note: The Bard specification sheets will reference both EER and SEER ratings during a transition period, but only the EER & COP ratings will be ARI-390 certified ratings.)*
- **Applicable Efficiency Standards:** The SPVU minimum commercial efficiency standard set forth in ASHRAE 90.1-2004 (Table 6.8.1D) is 8.6 EER and 2.7 COP.

In summary, the NAECA 13 SEER efficiency standard is NOT applicable to the Bard wall-mount air conditioner, wall-mount heat pump, wall-mount gas/electric, Q-Tec air conditioner and Q-Tec heat pump product lines. Should your end-users require additional verification of this, the following will help clarify how the SPVU classification was developed. Back-up information for all of these documents can be provided upon request:

- **Federal Register Proposed Rule Making – Volume 65, No. 194.**
  - Page #59610, item #3 of the December 5<sup>th</sup>, 2000 Federal Register addresses the Department of Energy's clarification that wall-mounts are commercial products, and not covered by the NAECA residential efficiency standards

- ARI Test Standard 390-2003 for SPVAC and SPVHP
  - Pages #1 and #2 address the scope of the SPVU classification (Section #2.1), the definition of the SPVAC (Section #3.10), and the definition of the SPVHP (Section #3.11).
- ANSI/ASHRAE Standard 90.1-2001
  - Page #2 addresses ASHRAE minimum efficiency standards for the SPVU classification.
- ANSI/ASHRAE Standard 90.1-2004
  - Page 48, Table 6.8.1D includes the SPVAC and SPVHP and the ARI 390 as the test standard.
- ARI Primenet Certification Listing
  - The ARI Primenet web site shows the Bard wall-mount model numbers certified under the SPVAC and SPVHP programs. These pages can be viewed directly on the Internet at [www.ahridirectory.org](http://www.ahridirectory.org).
- Bard Specification Sheet S3208 and S3210 (Page #2)
  - These specification sheets reference the efficiency certifications of our current wall-mount air conditioner and heat pump product line.

Please contact your Bard Regional Sales Manager should you have any additional questions on how the new SPVU classification will affect your specific applications.