

**eAPB1829****August 17, 2018**

## **UPDATE: AHRI Ratings with S9 Furnaces**

All models of S9X2 and S9V2 furnaces have been updated and system ratings for those furnaces have been released in AHRI. A cross-functional team did review all ratings affected, including new ratings that were not released originally. While most ratings were unchanged from the ratings with the old furnace model numbers, in the process of re-rating, some ratings were rounded off (i.e. a 16.25 SEER rating may have been rounded to 16 SEER, or a 12.75 EER may have been rounded off to 12.5). However, a very few did change due to DOE rating requirements that changed in the interim. We made every effort to ensure there are reasonable substitutions available in those cases.



### **Background**

S9X2 and S9V2 furnaces have the 13th digit of the model number designated as the major design change digit. However, these models were originally loaded into AHRI with only 12 digits (these models ended in “PS”). When design changes to the furnace occurred, it was discovered that 13 digits needed to be loaded, resulting in the need to delete and replace all existing ratings with these furnace models (new models end in “PSA”, “PSB” or “VSA”; see sidebar box below for explanation). At approximately the same time (2017), new DOE ratings legislation went into effect that required changes to our simulation and rating process. This resulted in new ratings that were not consistent with the original ratings. We also discovered that not all ratings were duplicated with the 13 digit furnace models.

# PRODUCT BULLETIN

S9X2 and S9V2 models use 13<sup>th</sup> digit as major design change (ratings change) digit. If the 13<sup>th</sup> digit of these models is “A”, this furnace can be rated with 1 or 2 stage AC’s or HP’s. They can also be rated with variable speed AC’s, as long as a relay panel is used. In this case the rating in AHRI will read “S9V2\*\*\*\*PSA + RP”

S9V2 furnaces with 13<sup>th</sup> digit “B” can also be rated with Variable Speed AC and HP, as long as a relay panel is used. In this case the rating in AHRI will read “S9V2\*\*\*\*PSB + RP”

If the S9V2 model number ends in “VSA”, this model has a variable speed inducer for improved AFUE, and can also be matched with variable speed AC or HP, as long as a relay panel is used. In this case the rating in AHRI will read “S9V2\*\*\*\*VSA + RP”

**Any Questions please contact Jim Lowell, Tim Storm, Patrick Van Deventer, or Mark Woodruff**