

# Higher SEER and HSPF Combinations

When split system combination ratings are created, it is common to have some combinations that include a “standard efficiency” indoor blower motor (“PSC”, or Permanent Split Capacitor motor), and other combinations that include a “high efficiency” indoor blower motor (“X-13” or “ECM” type motors).

In some cases, outdoor unit model families are identified and advertised based on the SEER, EER, and HSPF ratings of combinations using the “standard efficiency” indoor motors. In these cases, it is very common that other ratings are also established with “high efficiency” indoor motors. These other combinations may provide higher SEER, EER, and HSPF ratings.

## Example:

N4H324AKA Heat Pump identified and advertised as part of 13 SEER family

Standard efficiency fan coil combination rating at AHRI:

N4H324AKA + FS(M,U)4X24 = 13 SEER, 10.8 EER, 8.2 HSPF

High efficiency fan coil combination rating at AHRI:

N4H324AKA + FEM4X24 = 14 SEER, 11.5 EER, 8.5 HSPF

All possible combination ratings – standard and high efficiency – are shown in the outdoor unit **Product Specification** documents. Additionally, the AHRI database can be accessed and searched to show all current, listed combinations:

[www.AHRIdirectory.org](http://www.AHRIdirectory.org)