



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
AIR AND RADIATION

January 27, 2017

Dear ENERGY STAR® Light Commercial HVAC Partner or Other Interested Stakeholder:

As anticipated in the December 2016 publication of the final Version 3.0 Light Commercial HVAC specification, the U.S. Environmental Protection Agency (EPA) is proposing COP47 heating performance requirements for Large Air-Cooled Heat Pumps and Large Variable Refrigerant Flow (VRF) Air-Cooled Heat Pumps that will be finalized in a Version 3.1 specification. These requirements were left as to be determined (TBD) in the final Version 3.0 specification.

COP47 Heating Performance Requirements

For Large Air-Cooled Heat Pumps (with cooling capacities ranging from 135,000 Btu/h to less than 240,000 Btu/h), EPA is proposing a COP47 of 3.3. For Large VRF Air-Cooled Heat Pumps (with cooling capacities ranging from 135,000 Btu/h to less than 240,000 Btu/h), EPA is also proposing a COP47 of 3.3.

Setting COP47 at 3.3 for both of these product categories allows for differentiation from the minimum federally-required performance in 2018. This level also allows products that provide heating savings to be distinguished, while maintaining a good selection of qualifying products. EPA's analysis of the AHRI directory shows that 16% of Large Air-Cooled Heat Pumps and 69% of Large VRF Air-Cooled Heat Pumps will meet their specified levels.

If you have comments or concerns about this proposal, please submit them by February 24, 2017, to LCHVAC@energystar.gov. Please direct any specific questions to Abigail Daken at EPA, Daken.Abigail@epa.gov or 202-343-9375 and Jacob Bayus at ICF, Jacob.Bayus@icf.com or 202-791-8871. Barring any objections from stakeholders, EPA expects to finalize Version 3.1 by March 17, 2017.

Upon finalization of the Version 3.1 specification, manufacturers may begin early certification of these two products types. Otherwise, the transition timeline applies as outlined for Version 3.0 in the Version 3.0 Final Specification Cover Memo on the ENERGY STAR Light Commercial HVAC [product development webpage](#).

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Abigail Daken".

Abigail Daken, EPA Manager
ENERGY STAR HVAC Program