



**ENERGY STAR® Most Efficient HVAC 2018**

**Required information for system status and messaging requirements for CAC/ASHP (both ducted and ductless), Furnace and GHP systems.**

*Submitted data will be used by the U.S. Environmental Protection Agency (EPA) only for ENERGY STAR Most Efficient reviews and will be closely controlled. If requested under the Freedom of Information Act (FOIA), EPA will argue that the data is exempt. Any information used will be masked by EPA so as to protect the confidentiality of the Partner.*

Which models/combinations does this information apply to? (Include all that are relevant and attach a separate spreadsheet if necessary.)

Split CAC/ASHP		Packaged CAC/ASHP	Furnace	GHP
Outdoor Unit	Indoor Unit			

1. Describe the automatic setup capabilities of the unit/system. Summarize and expand upon information included in the installation and user manuals.
  - a. What is the step-by-step installation process, including automated and manual steps?
  - b. What measurements or faults can be identified during installation, and is this completed by the thermostat/controller or the contractor? How are these displayed?
  - c. How does the system verify accurate installation to the contractor?
  - d. Does the system identify the model numbers and quantity of indoor units connected? If so, describe how this is communicated via the thermostat/controller.
  - e. What other capabilities does the unit/system provide to facilitate a high-quality installation?
2. How are service personnel able to access the fault history of the unit/system?
  - a. How and where on the thermostat/controller is the fault history alphanumerically displayed?
  - b. What external equipment, if any, is necessary to access the history?
  - c. How many faults is the system capable of recording?
  - d. Can the fault history be accessed off-site by the technician, at the discretion of the resident?
3. How are residents alerted of any required servicing?
  - a. Where is the filter alert displayed on the thermostat/controller and how are residents alerted that air filter(s) are in need of checking, cleaning or changing? Are residents notified through any method other than a thermostat/controller on the wall?

- i. Note: This alert must be displayed in plain text and specify action to be taken. Please provide screenshots.
  - b. How does the unit/system estimate when to alert residents to check the filter?
  - c. How are residents alerted when professional service is needed? Is there a way for service personnel to be notified directly of required servicing, at the discretion of the resident?
    - i. Note: This alert must be displayed in plain text and specify action to be taken. Please provide screenshots.
4. What other capabilities does the equipment have to facilitate appropriate installation and maintenance? Are there other notable advanced features specific to system status and messaging that the unit/system provides?
5. What type of compressor(s) and staging does this equipment have? (Not applicable for furnaces or for water-to-water GHP)
6. *Ducted models only*: Is the unit/system capable of measuring external static pressure? If so, how is the information made available for use by a technician?

The public reporting and recordkeeping burden for this collection of information is estimated to average 11.4 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.