

default minimum IAQ fan is a standalone unbalanced exhaust system meeting the above airflow requirements. For multifamily, the default minimum IAQ fan system is a balanced standalone system.

Systems with supply ducts (balanced and supply-only) are simulated with increased fan wattage and reduced SRE and ASRE to account for maintenance and installation factors affecting system efficacy. For these systems, fan wattage is increased by a factor of 1.10 (10 percent increase in wattage) and SRE and ASRE are reduced by a factor of 0.90 (10 percent decrease in recovery efficiencies). For IAQ systems with fault indicator displays (FID) meeting the below specifications, these factors don't apply.

### **IAQ SYSTEM FAULT INDICATOR DISPLAY REQUIREMENTS**

1. Fault indication responding to the following categories:
  - a. Filter check or maintenance, either based on performance or a predetermined schedule.
  - b. Low supply airflow.
  - c. Low exhaust airflow.
  - d. Sensor failure for sensors that assist in monitoring or controlling for the following operations, where such operations are provided: airflow regulation, frost control, supply air tempering, and economizing.
2. Fault indication using one or more of the following means:
  - a. A visual display that is readily accessible to occupants of the dwelling unit and located on or within one foot of the IAQ system control.
  - b. An electronic application.
  - c. An audible alarm accompanied by a visual display.
3. Instrumentation and reporting of the following:
  - a. Airflow.
  - b. Fan power.
4. FID certified to CEC by the manufacturer as meeting the above requirements.

To receive compliance credit relative to the standard design, balanced and supply-only systems must have accessible supply air filters, outside air inlets, and heat/energy recovery cores (if applicable) as specified in Table 22. For systems not meeting these requirements, compliance credit will be neutralized (see IAQ system standard design for details).