

energy right[®] Program

Heat Pump Installation Inspection Checklist (Sheet 1 of 2)

Legal Customer Name: _____ Date: ____ / ____ / ____

To operate at maximum efficiency, it is important that the system be installed correctly. The following checklist provides a simple means to check and verify key items involving the heat pump installation to assure efficient system operation and compliance with Program Standards. These items do not relieve the contractor from compliance with the standards in their entirety.

Equipment

Contractor
Checks Below

Inspector
Checks Below

1. Heat pump meets minimum energy efficiency ratings.
2. Equipment properly sized to match required load calculation (provided by installing contractor).
3. Installation complies with all codes and ordinances; permit number(s):
4. Outdoor equipment placed on level, one-piece concrete pad, or approved equal.
5. Equipment meets manufacturer's specified minimum clearances.
6. System operation: a. cooling ____ b. heating (2nd) ____ c. heating (1st) ____
d. emergency heat ____ e. fan ____ f. off ____
7. System capacity acceptable at outdoor ambient conditions observed during inspection.

Installation

8. Outdoor thermostats (as required) properly installed. Setting(s): ____ °F ____ °F
Maximum 10 kW (nominal) per stage.
9. Condensate line(s) properly installed, trapped, insulated (as required), and condensate drain pan installed (as necessary).
10. Refrigerant piping properly sized, sealed, and supported.
11. Minimum air flow of 400 cfm per 12,000 Btuh of the equipment's ARI certified cooling capacity. Air flow less than 400 cfm per 12,000 Btuh only accepted when ARI certified at lower rate.

Air Distribution

12. Duct design and installation as recommended by ACCA, etc., including proper sizing.
13. Ductwork properly supported.
14. Ductwork installed to avoid ground contact.
15. Return and supply air ducts, supply boots, return air pans sealed as required.
16. Opening(s) sealed where ductwork traverses foundation walls.
17. Duct system properly insulated and sealed with vapor barrier.
18. Adequate number of return air grilles, sufficiently sized, and equal to supply CFM.

Weatherization / Other

19. Minimum weatherization measures exist: R-19 attic insulation, weather-stripping and caulking. *If thermal balance point is greater than or equal to 35 deg. F, floor insulation is required. If thermal balance point is greater than or equal to 38 deg. F, storm windows or double-pane windows are also required (in addition to floor insulation).*
20. New weatherization measures (attic & floor insulation, and/or storm windows) properly installed. List all new weatherization measures: _____
21. Other: _____

I certify that I have checked the items listed and, to the best of my knowledge have installed this system in compliance with all applicable requirements and the standards in the Program Guidelines.

Contractor Company Name: _____ Contractor #: _____
(from TVA)

Contractor Representative Signature: _____ Date: ____ / ____ / ____

Inspector's Signature: _____ Date: ____ / ____ / ____

