



AIR CONDITIONER/HEAT PUMP PRE-INSPECTION CHECKLIST

This checklist is designed to be generic in content and may not include all requirements for your particular installation. The manufacturer's installation instruction must be adhered to and available to the inspector at the time of the inspection. Be sure you can answer YES to all of the questions before calling for inspection. Failure of the inspection will require a reinspection fee to be paid.

REFERENCE

COMPLIANCE

		<u>Yes</u>	<u>No</u>
WAC 296-150M-0309	Alteration Permit purchased and insignia issued.	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturer's Specifications	Liquid and suction lines are not subject to damage.	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturer's Specifications	Condensate drain trap installed and exit line to outside of skirting grades at 1/4 inch per foot minimum, Sized per manufacturer's instruction and not terminating in crawl spaces access.	<input type="checkbox"/>	<input type="checkbox"/>
WAC 296-150M-0610	Out door heating/cooling unit is set level on an adequate base and clearances to other objects are maintained per the listing.	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturer's Specifications	A disconnecting means shall be located in sight from the appliance. A HACR breaker in a panel installed on the outside of the home will suffice, if in sight of the outdoor unit.	<input type="checkbox"/>	<input type="checkbox"/>
NEC 430-102 & 550-20			
NEC Art 350	Connection from the exterior disconnect to the condenser shall be either by::		
	1. Liquidtight flexible metal conduit, or	<input type="checkbox"/>	<input type="checkbox"/>
	2. Liquidtight flexible nonmetallic conduit when listed and marked as suitable for the purpose, or;	<input type="checkbox"/>	<input type="checkbox"/>
	3. Rigid metal conduit or intermediate metal conduit with conductors suitable for wet locations.	<input type="checkbox"/>	<input type="checkbox"/>
3280.808(k) & NEC 550-14(H)	Under floor either 1 or 2 shall protect wiring.		
	1. Rigid metal conduit per article 344 or intermediate metal conduit per article 342.	<input type="checkbox"/>	<input type="checkbox"/>
	2. Electrical metallic tubing per article 358 or rigid non-metallic conduit per article 352 WHEN closely routed against the frame.	<input type="checkbox"/>	<input type="checkbox"/>
NEC 440-52	Time-delay fuses or HARC rated circuit breakers must be installed in disconnect. They must be sized to the over-current protection given on the nameplate of the appliance.	<input type="checkbox"/>	<input type="checkbox"/>
3280.307(d)	Rodent barrier openings closed permanently, with approved materials.	<input type="checkbox"/>	<input type="checkbox"/>
3280.808(n) ,3280.804(f) and WAC296-150M-0410	Disconnects shall be secured to a mobile home structural member (not on skirting) and has 30 "x 30" clearance in front of disconnect.	<input type="checkbox"/>	<input type="checkbox"/>
NEC 440-12	Fuses, breakers and disconnects sized and wire size per listing at disconnect.	<input type="checkbox"/>	<input type="checkbox"/>
NEC 312.5	Unused openings shall be effectively closed.	<input type="checkbox"/>	<input type="checkbox"/>
3280.809(d)	Disconnect and equipment must be bonded to the electrical panel in the manufactured home.	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturer's Specifications	Routing as securing approved condenser thermostat wire.	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturer's Specifications	Blower motor is part of approved system and is listed for use with air conditioners and heat pumps.	<input type="checkbox"/>	<input type="checkbox"/>
NEC 110-22 & NEC 408	The new circuit shall be added to the panel board circuit directory.	<input type="checkbox"/>	<input type="checkbox"/>

REFERENCE**COMPLIANCE**

		Yes	No
3280.206(c)	Floor, wall and ceiling openings in furnace compartment to be tight fitted or fire stopped.	<input type="checkbox"/>	<input type="checkbox"/>
3280.707(e)	Location of thermostat: 3 feet from compartment door and not on exterior wall or furnace compartment wall and per manufacture installation instructions.	<input type="checkbox"/>	<input type="checkbox"/>
3250.714(a)(4)(5)	All equipment is installed as per manufacturer's specifications and tested and listed in combination.	<input type="checkbox"/>	<input type="checkbox"/>
3280.709(a)	Installation and operating instructions are to be present.	<input type="checkbox"/>	<input type="checkbox"/>
3280.709(a)	Furnace and coil secured.	<input type="checkbox"/>	<input type="checkbox"/>
3280.714 (a) (1) (iii)	A control provided & set to prevent operation of supplemental heat at outdoor temperatures above 40 F, except for defrost operation	<input type="checkbox"/>	<input type="checkbox"/>
3280.709(a)	All appliances shall be accessible and removable for inspection, service, repair or replacement.	<input type="checkbox"/>	<input type="checkbox"/>
3280.715(b)(3)	Air return shall not be less than 2 sq. inches for each 1000 BTU input rating of appliance and not less than required by the listing.	<input type="checkbox"/>	<input type="checkbox"/>

Note: Reference to the National Electrical Code (NEC) is the 2005 edition, unless otherwise specified in code, the manufacturer installation instruction must be followed.