

2015 MMC Chapter 10

Heat Pump Water Heaters

Assessment

- In 2015, the DOE no longer allowed the manufacturing of residential electric tanks above 55 gallons in capacity unless they achieved a minimum _____ efficiency rating.
 - 1.5
 - 2.0
 - 2.5
 - 90
- When enclosed in any size room a heat pump water heater requires no additional ventilation when the _____ is ducted.
 - Inlet
 - Outlet
 - Make up air
 - Both A and B
- With a heat pump water heater, a _____ gallon tank is recommended for a family of 5.
 - 40
 - 50
 - 65
 - 80
- A 4.4 Gallon expansion tank will handle up to a _____ gallon water heater.
 - 150
 - 120
 - 80
 - 65
- If a fault code tells you your suction temperature is too low in a heat pump water heater, you should **not**:
 - Check superheat and sub cool
 - Confirm fan is running while compressor is on
 - Check filter screen
 - Both A and C
- For an A008 detected “dry fire condition” if you purge the air by filling the tank and opening a hot water tap, if the code doesn’t clear then:
 - There is a bad control board
 - There is a bad sensor
 - There is still air in the tank
 - The refrigerant may be low
- For an A200 “high water temperature” fault code **do not** check:
 - Elements from screw to ground
 - Resistance to thermistors
 - Both A and B
 - Refrigerant head pressure
- Vacation mode can be set to hold tank temperature at _____ degrees for 1 to 28 days

- A. 80
- B. 75
- C. 70
- D. 65

9. An 80 gallon heat pump water heater can be expected to handle the needs for up to ___ people.

- A. 6
- B. 7
- C. 8
- D. 9

10. When a recirculation system is used on a heat pump water heater system a _____ tank is recommended.

- A. Buffer
- B. Swing
- C. Storage
- D. Recirculation is not recommended with a heat pump water heater system.