

ERRATA SHEET FOR ANSI/ASHRAE STANDARD 206-2013
Method of Testing for Rating of Multipurpose Heat Pump for
Residential Space Conditioning and Water Heating

September 10, 2014

The corrections listed in this errata sheet apply to ANSI/ASHRAE Standard 206-2013. The first printing is identified on the outside back cover as “Product code: 86635 8/13”. The shaded items have been added since the previously published errata sheet dated March 26, 2014 was distributed.

Page Erratum

29-39 **Tables 10.5a through 10.7c.** In the **Water Test** column of Tables 10.5a through 10.7c for Operating Modes *D* and *E* change “Table 10.8” to “None”.

31 **Table 10.5c Single Capacity Direct GeoExchange Systems.** In the **Required/Optional** column of Table 10.5c for Operating Modes *D* and *E* change “Conditional/Optional (F)” to “Conditional/Optional (D).”

37 **Sections 10.8.1.2.1 and 10.8.1.3.** Renumber Section 10.8.1.2.1 as 10.8.1.3 and renumber the current Section 10.8.1.3 as 10.8.1.4 as shown below.

(Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)

10.8.1.3 ~~10.8.1.2.1~~ A water draw is imposed until the appliance initiates water heating, either from a resistive element or refrigerant-to-water heat exchange. A draw of not less than 42 L (or 41 kg) [11 gal (or 90 lb)] shall be imposed. Water shall be removed at a rate of 11.4 ± 1.0 L/s (3.0 ± 0.25 gpm) while the make-up water temperature is maintained within $14.4^\circ\text{C} \pm 1.1^\circ\text{C}$ ($58^\circ\text{F} \pm 2^\circ\text{F}$). Once water heating is initiated, or 42 L (or 41 kg) [11 gal (or 90 lb)] has been drawn, the water draw is terminated, and the water heater is allowed to fully recover.

10.8.1.4 ~~10.8.1.3~~ Beginning 10 minutes (minutes) after the water heater is fully recovered, a series of water draws, at a rate of 11.4 ± 1.0 L/s (3.0 ± 0.25 gpm) while the make-up water temperature is maintained within $14.4^\circ\text{C} \pm 1.1^\circ\text{C}$ ($58^\circ\text{F} \pm 2^\circ\text{F}$), are imposed as outlined in Table 10.9.

37 **Table 10.7a Variable Capacity Air-Source Systems.** Replace the footnotes for Table 10.7a with the footnotes below.

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| (A) Heating and/or cooling tests not required if heating and/or cooling portion respectively of the mode does not exist. | (H) Compressor speed = $k1 + (k2 - k1)/3$. |
| (B) Tests not required if the mode does not exist. | (I) Default value of 0.25 used for <i>Cd</i> if tests are not performed. |
| (C) Values shown are original suggested values, refer to applicable AHRI standards or federal rules and regulations for updated values | (J) See Section 11.8.4.4.1 for explanation. |
| (D) For units that reject condensate to the outdoor condenser coil. | (K) Compressor speed = $k1 + (k2 - k1)/3$. |
| (E) Wet bulb at least $\leq 13.9^\circ\text{C}$ ($\leq 57.0^\circ\text{F}$) and sufficiently low so that no condensate forms on the evaporator coil. | (L) See Section 11.7.4.4.1 for explanation. |
| (F) Mode A <i>Cd</i> values used for all other modes. | (M) Test required if maximum compressor speed in heating exceeds the maximum compressor speed in cooling, see Section 11.8.2.2 for explanation. |
| (G) Mode A defrost degradation percentage used for all other heating modes. | (N) Compressor speeds $k = 2$ for Mode <i>B</i> do not have to be the same as for $k = 2$ Mode <i>A</i> . |