

**ERRATA SHEET FOR
ANSI/ASHRAE STANDARD 124-2007
Methods of Testing for Rating Combination Space-Heating
and Water-Heating Appliances**

November 21, 2016

The corrections listed in this errata sheet apply to ANSI/ASHRAE Standard 124-2007. The outside back cover marking identifying the first printing is “86372 PC 4/07” and the second printing is identified as “Product code: 86372 2/13 *Errata noted in the list dated 2/14/2011 have been incorporated.*” The shaded items have been added since the previously published errata sheet dated February 14, 2011 was distributed. Items marked with an asterisk “*” apply only to the first printing. Items identified with two asterisks “**” apply only to the second printing.

Page Erratum

1* **CONTENTS.** Change the page number listed for Section 5 Requirements from Page “5” to “4”.

3* **3.2 Nomenclature.** For C_{aux-r2} , q_{in} , and Q_{rs} move the period outside the parenthesis to the end of the description/sentence.

9* **7.3.2.3 Energy Supply.** In Section 7.3.2.3 change the reference to “Section 7.2.2.5” to “Section 7.2.2.4”.

11* **8.2.2 Room Ambient Temperature.** In Section 8.2.2 change the reference to “Section 7.2.2.6” to “Section 7.2.2.5”.

16 **11.2.1.2 Maximum GPM (L/s) Rating for Tankless Heaters.** In the first four equations replace the term “ vt ” with “ v_t ”.

16** **11.2.1.2 Maximum GPM (L/s) Rating for Tankless Heaters.** Replace the symbol “ $\S$ ” with a division symbol “ $/$ ” in each of the four equations as shown below.

$$F_{max} = \frac{W_{10m}(\bar{T}_{del} - \bar{T}_{in})}{10(1/7.48055v_t)(135^{\circ}\text{F} - 58^{\circ}\text{F})}$$

$$F_{max} = \frac{W_{10m}(\bar{T}_{del} - \bar{T}_{in})}{10(1/v_t)(57.2^{\circ}\text{C} - 14.4^{\circ}\text{C})}$$

$$F_{max} = \frac{W_{10m}(\bar{T}_{del} - \bar{T}_{in})}{10(1/7.48055v_t)(77^{\circ}\text{F})}$$

$$F_{max} = \frac{W_{10m}(\bar{T}_{del} - \bar{T}_{in})}{10(1/v_t)(42.8^{\circ}\text{C})}$$

17** **11.2.2.2.** Replace the symbol “ $\S$ ” with a division symbol “ $/$ ” in Equation 11-7a and replace the symbol “ $\P$ ” with a multiplication symbol “ $\cdot$ ” in Equations 11-7a and 11-7b as shown below.

$$EF = \frac{H}{\left(\frac{H}{E_t}\right) + \left(S \cdot V \cdot c_p \left(1/(7.48055 \cdot v_t)\right)(T_t - T_r) \left(24 - \frac{H}{(E_t)(Q_{in})}\right)\right)} \quad (11-7a)$$

$$EF = \frac{H}{\frac{H}{E_t} + \left(S \cdot V \cdot c_p \cdot \frac{1}{v_t}(T_r - T_t)\right) \cdot \left(24 - \left(\frac{H}{E_t \cdot Q_{in}}\right)\right)} \quad (11-7b)$$

18* **Section 11.2.2.2.** In the description of E_t change “118.1 2003” to read “118.1-2003”.