

**ERRATA SHEET FOR FIRST PRINTING 5/04, REPRINT 8/05,  
REPRINT 4/08, AND REPRINT 4/09  
ANSI/ASHRAE STANDARD 55-2004  
Thermal Environmental Conditions for Human Occupancy**

**June 2, 2010**

The corrections listed in this errata sheet apply to the first printing and reprints of ANSI/ASHRAE Standard 55-2004 identified on the outside back cover as “86148 PC 5/04” for the first printing, “86148 PC 8/05” for the first reprint, “86148 PC 4/08 Errata noted in the list dated 10/15/07 have been corrected.” for the second reprint, and “Product Code: 86148 4/09 Errata noted in the list dated 10/15/2007 have been corrected.” for the third reprint. **Shaded** items have been added since the previously published errata sheet dated February 23, 2010 was distributed. Items identified with an asterisk “\*” have already been incorporated into the 4/08 and 4/09 reprints.

**Page   Erratum**

- 6\*    **Figure 5.2.3 Air speed required to offset increased temperature.** Under the lower curve in Figure 5.2.3 change “18°C” to “18°F”.
  
- 7\*    **Section 5.2.4.1 Radiant Temperature Asymmetry.** In the second paragraph, second sentence, in Section 5.2.4.1 change “Figure 5.4.2.1” to “Figure 5.2.4.1”.
  
- 16    **Normative Appendix A – Activity Levels.** Revise the metabolic rates for the following activities so they are in accordance with Chapter 8 of the 2001 *ASHRAE Handbook – Fundamentals* as cited:

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

Activity	Metabolic Rate		
	Met Units	W/m <sup>2</sup>	(Btu/h-ft <sup>2</sup> )
<b>Office Activities</b>			
<del>Reading, seated</del> <u>Seated, reading, or writing</u>	1.0	<del>55</del> <u>60</u>	(18)
<u>Writing</u>	<u>1.0</u>	<u>60</u>	<u>(18)</u>
<b>Miscellaneous Leisure Activities</b>			
Basketball	5.0-7.6	290-440	<del>(90-140)</del> <u>(92-140)</u>
Wrestling, competitive	7.0-8.7	410-505	<del>(130-160)</del> <u>(129-160)</u>

- 19    **Table B2 Garment Insulation.** Revise the  $I_{clu}$  (clo) values in Table B2 for the following garment types so they are in accordance with Chapter 8 of the 2001 *ASHRAE Handbook – Fundamentals* as cited in footnote a to Table B2:

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

Garment Description	$I_{clu}$ (clo)
<b>Shirts and Blouses</b>	
Sleeveless/scoop-neck blouse	<u>0.12</u> <del>0.13</del>
<b>Suit Jackets and Vests</b>	
Single-breasted (thick)	<u>0.44</u> <del>0.42</del>
Double-breasted (thin)	<u>0.42</u> <del>0.44</del>

20 **Informative Appendix C – Acceptable Approximation for Operative Temperature.** In the fourth column of the table located at the end of Informative Appendix C change “(120 to 200 m/s)” to “(120 to 200 fpm)”.

21 **Normative Appendix D – Computer Program for Calculation of PMV-PPD.**

Revise the note in the appendix as follows:

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

(Reference: Annex D of ISO 7730. Used with permission from ISO. For additional technical information and an I-P version of the equations in this appendix, refer to Item 4 ~~item-6~~ in References, Section 8, the ASHRAE Thermal Comfort Tool CD. The ASHRAE Thermal Comfort Tool allows for IP inputs and outputs, but the algorithm is implemented in SI.)