

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

- 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)
Shirts and Blouses	
Sleeveless/scoop-neck blouse	<u>0.12</u> 0.13
Suit Jackets and Vests	
Single-breasted (thick)	<u>0.44</u> 0.42
Double-breasted (thin)	<u>0.42</u> 0.44

- 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 ~~striketrough~~.)

(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.)