

**Errata to Principles of Heating, Ventilating, and Air Conditioning**  
**2/8/07**

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*These errata were incorporated into the February 2007 reprint.*

<u>Page</u>	<u>Errata</u>
15–19	Table 2-1, second line in title should reference the 2005 ASHRAE Handbook— <i>Fundamentals</i> , not the 2001 version.
22	Table number should be 2-2, not 2-1.
27	Table number should be 2-3, not 2-2.
71	Example 3-3, lowercase w should be uppercase W (in six places, but not in subscripts).
74	In first equation, $Q$ should be $q$ , and $cp_a$ should be $c_{pa}$ . Second column, first sentence, cfm should be scfm. Under (d), $Q_s$ should be $q_s$ .
153	Under 6.3.3, last sentence should read: “Representative $R_{cvr}$ values are found in Table 5-15 and in chapter 6...”
189	Table 7-13 is now mislabeled along the top. It should NOT be the same as at the bottom, but should read:  <b>N NNE NE ENE E ESE SE SSE S SSW SW WSW N NNE NE ENE E ESE SE SSE S SSW SW WSW HOR</b>
351	Bottom of first column, add under “System Sketch” the following: “Use Figure 3-1 as schematic for problem.”
436	Second column, first sentence, “1720” should be “1740.”
462	Lower portion of Table 18-2 SI is missing; should be as follows:

Table 18-2 SI Typical Performance Values for Reciprocating Compressors  
(Table 2, Chapter 34, 2000 ASHRAE Handbook—HVAC Systems and Equipment)

Compressor Size and Type	Operating Conditions and Refrigerants			
	R-404a	R-134a	R-22	R-22
	Evap. Temp. = -40°C Cond. Temp. = 41°C Suction Gas = 18.3°C Subcooling = 0 K	Evap. Temp. = -17.8°C Cond. Temp. = 43°C Suction Gas = 18.3°C Subcooling = 0 K	Evap. Temp. = 4.4°C Cond. Temp. = 41°C Suction Gas = 12.8°C Subcooling = 0 K	Evap. Temp. = 7.2°C Cond. Temp. = 54.4°C Suction Gas = 18.3°C Subcooling = 0 K
	Refrigerant Output/Power Input, W/W			
Large, over 19 kW				
Open	0.99	1.89	4.95	5.04
Hermetic	0.92	1.76	4.16	3.05
Medium, 4 to 19 kW				
Open	0.90	1.74	4.71	4.71
Hermetic	0.85	1.64	4.10	3.02
Small, 4 kW				
Open	—	—	—	—
Hermetic	—	1.11	4.04	2.93