

Errata to
Principles of Heating, Ventilating, and Air Conditioning, 8th Edition
(2017)

April 13, 2022

Shaded items have been added since the previously published errata sheet dated September 4, 2018.

- Pages vi through ix:** The page numbers in the Table of Contents from Chapter 6 onwards are increased by two (e.g., Chapter 6 starts on page 189 but the Table of Contents says it starts on page 201).
- Page 8:** Problem 1.4 incorrectly states the answer as 11,109,000 Btu/h heating. The correct value is **1,109,000 Btu/h heating**.
- Problem 1.7 incorrectly states the answer as \$14,640. The correct value is **\$16,470**.
- Pages 62 and 63:** The SI versions of the Pressure-Enthalpy Diagram for Refrigerant 134a and Enthalpy-Concentration Diagram for Aqua-Ammonia are cut off. The correct diagrams are attached.
- Page 258:** Table 7-32's title ends with "for Tables 7-28 and 7-29" but should read "for **Tables 7-30 and 7-31**."
- Page 260:** Table 7-35's title ends with "for Tables 7-31 and 7-32" but should read "for **Tables 7-33 and 7-34**."
- Page 298:** In the second paragraph under Section 8.4, "Integration of System Models," the second sentence should read "**a fan cooling coil**," not "a tan cooling coil."
- Page 339:** There is missing text above the third figure at the bottom of the left-hand column. The text above the figure should read, "**Wye, 48°, Diverging, Conical Main and Branch, with 45° Elbow, Branch 90° to Main (Idelchik et al. 1986, Diagram 7 19)**."
- Page 376:** The SI version of the Friction of Air in Straight Ducts figure is cut off. The correct figure is attached.
- Page 427:** Problem 12.6 should be removed and the subsequent problems should be numbered to reflect this deletion (i.e., Problem 12.7 would become Problem 12.6, Problem 12.8 would become problem 12.7, and so on).
- Page 441:** In item #1 in the numbered list in the right column, the last phrase should read "at higher values than those for the far subcircuits by use of balancing **valves**."
- Page 584:** In the first paragraph of Section B.4, "Animal Rooms," "relateve humidity" should be "**relative humidity**."
- Page 586:** In the last sentence of the sixth paragraph of Section B.4, "Animal Rooms," section, change "Bacterial control require" to "Bacterial control **requires**."
- Page 589:** In the first paragraph of pg. 589 in Section B.10, "Building Renovation," change "The building is divided into 16 separately thermostated zones" to "**The building is divided into 16 separately thermostatic zones**."

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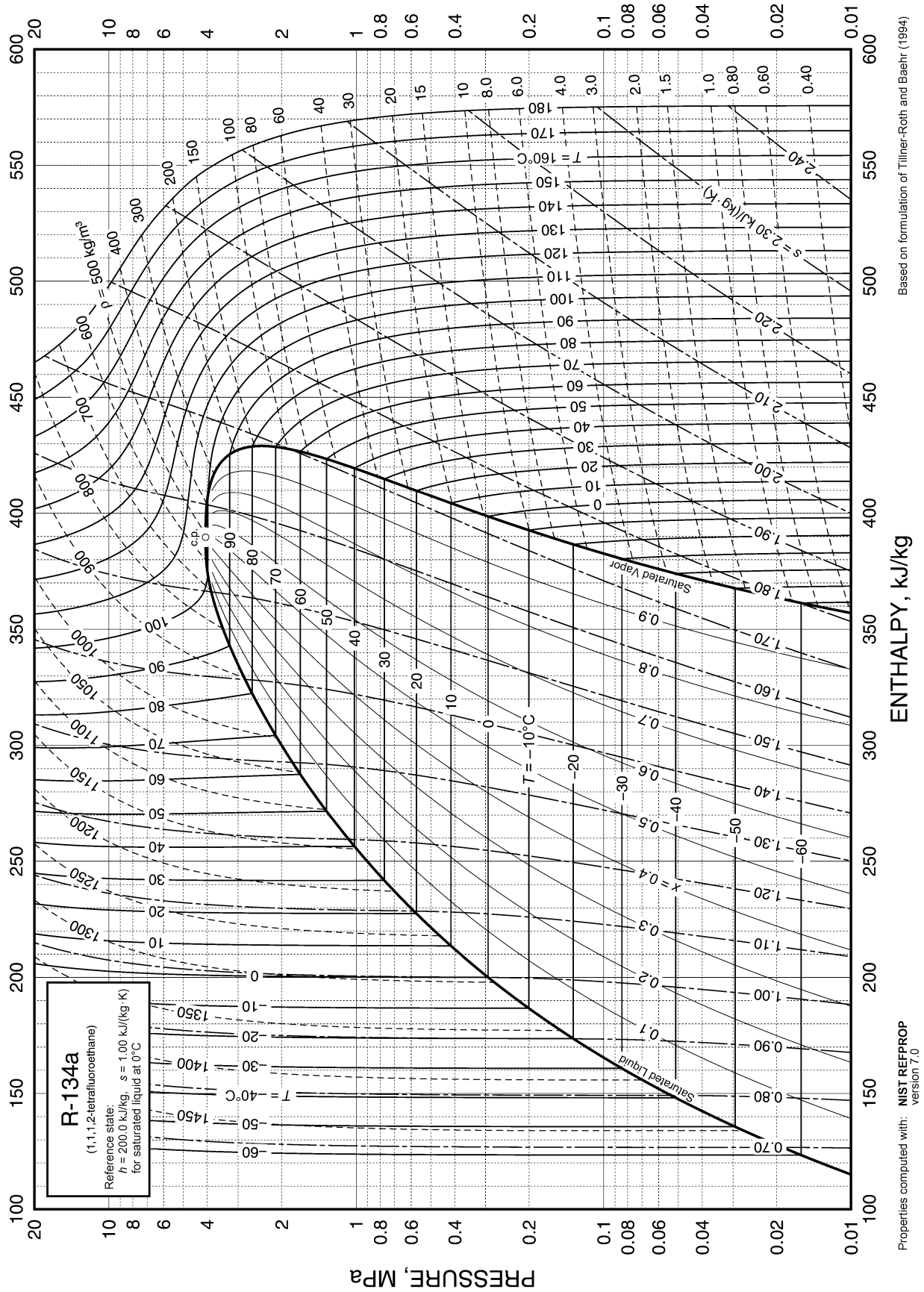


Fig. 2-5 SI Pressure-Enthalpy Diagram for Refrigerant 134a

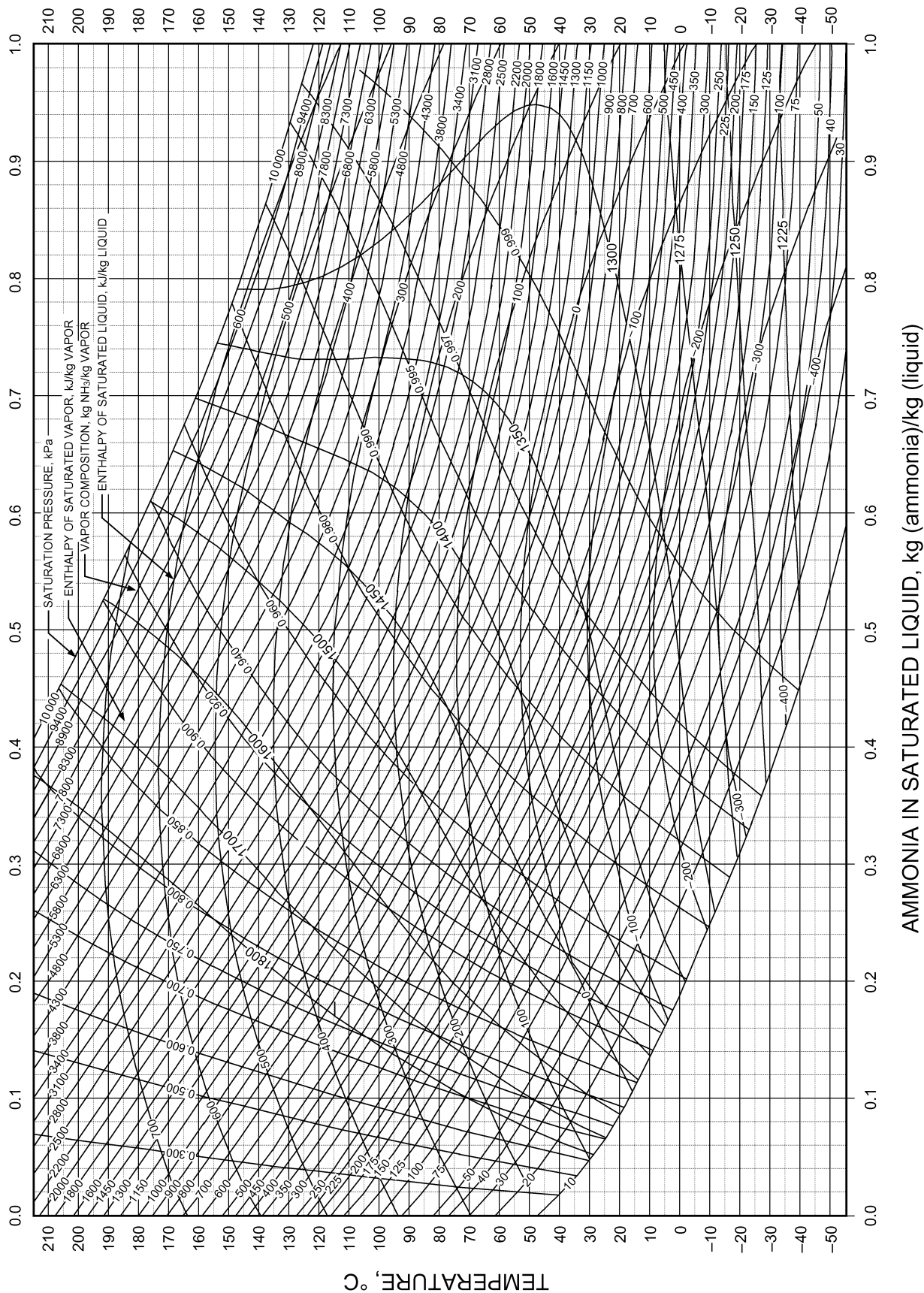


Fig. 2-6 SI Enthalpy-Concentration Diagram for Aqua-Ammonia

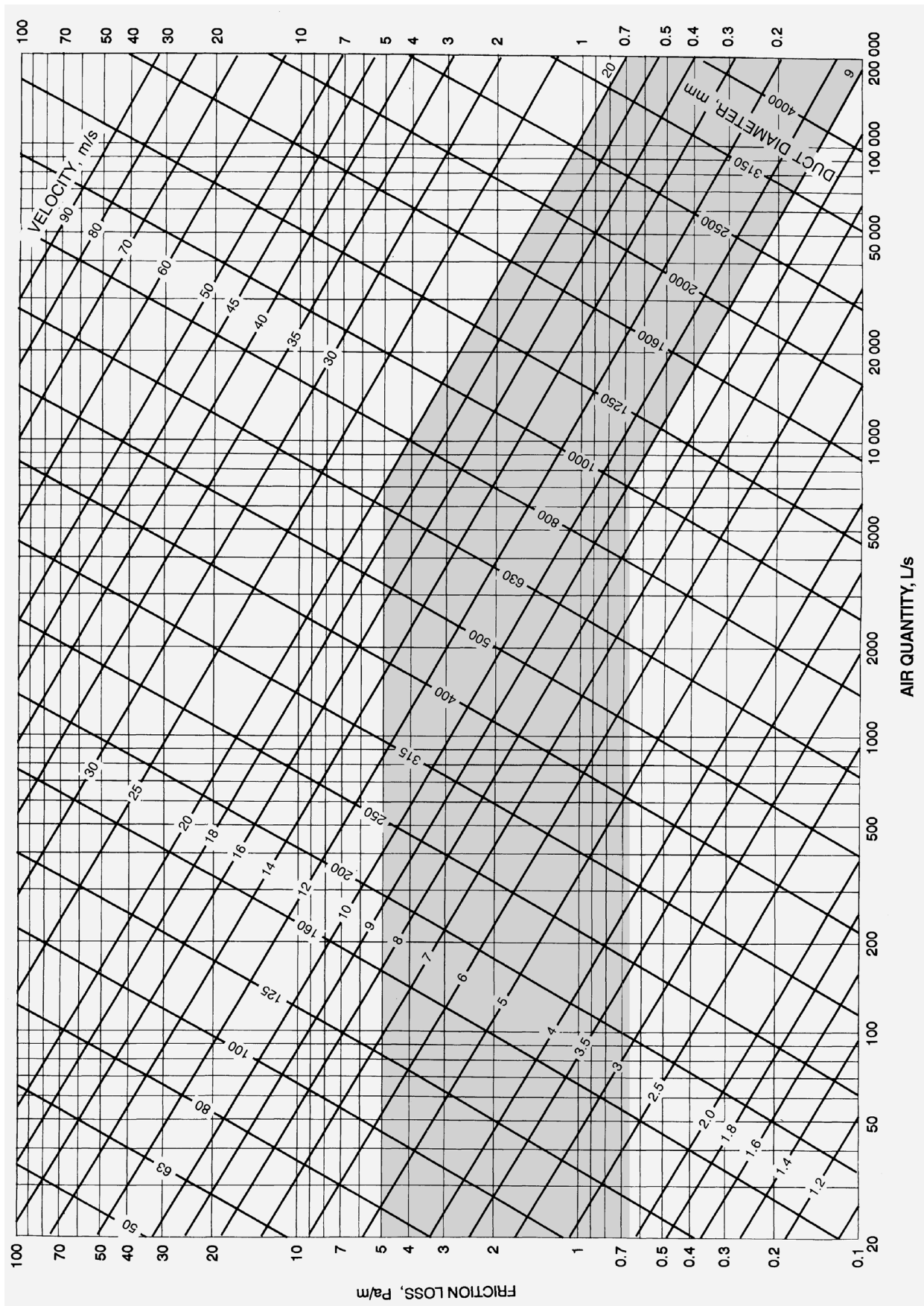


Fig. 9-2 SI Friction of Air in Straight Ducts
Shaded Area is Normal Design Region.
(Figure 10, Chapter 21, 2017 ASHRAE Handbook—Fundamentals [SI])