ERRATA SHEET FOR ANSI/ASHRAE STANDARD 34-2022
Designation and Safety Classification of Refrigerants

February 8, 2024

The corrections listed in this errata sheet apply to ANSI/ASHRAE Standard 34-2022. The first printing is identified on the outside back cover as “Product code: 86306 9/22”. Shaded items have been added since the previous published errata sheet date June 7, 2023 was distributed.

<table>
<thead>
<tr>
<th>Page</th>
<th>Erratum</th>
</tr>
</thead>
</table>
| 37   | **9.5.2.1 Individual Compounds.** Revise Section 9.5.2.1e as shown below. Change is highlighted in yellow.  
      *(Note: Additions are shown in underline and deletions are shown in strikethrough.)*  
      
      **9.5.2.1 Individual Compounds.** The following information shall be provided for single-compound refrigerants or for each component of blends:  
      
      e. Normal boiling-point temperature at 14.7 psia *(101.3 kPa)*  
      
      e. Normal boiling-point temperature at 14.7 psia *(101 kPa)*  
      
| 38   | **9.5.2.2 Azeotropic Blends.** Revise Sections 9.5.2.2e and 9.5.2.2f as shown below. Changes are highlighted in yellow.  
      *(Note: Additions are shown in underline and deletions are shown in strikethrough.)*  
      
      **9.5.2.2 Azeotropic Blends.** …  
      
      The following additional information shall be provided for azeotropes:  
      
      e. Normal boiling-point temperature (bubble-point temperature) at 14.7 psia *(101.3 kPa)* as formulated  
      
      e. Normal dew-point temperature at 14.7 psia *(101.3 kPa)* as formulated.  
      
| 38   | **9.5.2.3 Zeotropic Blends.** Revise Sections 9.5.2.3d and 9.5.2.3e as shown below. Changes are highlighted in yellow.  
      *(Note: Additions are shown in underline and deletions are shown in strikethrough.)*  
      
      **9.5.2.3 Zeotropic Blends.** The following additional information shall be provided for zeotropes (including near azeotropes):  
      
      *…*
d. Bubble-point temperature at 14.7 psia (101.3 kPa) (101 kPa)
e. Dew-point temperature at 14.7 psia (101.3 kPa) (101 kPa)

**Table D-2.** Change Composition (mass %) for refrigerant number 421A from “R-125/134a (58.0/45.0)” to “R-125/134a (58.0/42.0)”.

**Table D-2, Data for Refrigerant Blends.** Revise the Normal Bubble Point (°F) value for row 510A as shown below. Changes are highlighted in yellow.

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

<table>
<thead>
<tr>
<th>Refrigerant Number</th>
<th>Composition (mass %)</th>
<th>Normal Bubble Point</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>°C</td>
</tr>
<tr>
<td>[ … ]</td>
<td>[ … ]</td>
<td>[ … ]</td>
</tr>
<tr>
<td>510A</td>
<td>R-E170/600a (88.0/12.0)</td>
<td>–25.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4–13.4</td>
</tr>
</tbody>
</table>