

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

March 18, 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 February 8, 2024 was distributed.

Page Erratum

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~~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~~101 kPa~~) as formulated

f. Normal dew-point temperature at 14.7 psia (101.3 kPa~~101 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~~)

[...]

46 B2.1.1 Experimental Verification. Revise Sections B2.1.1 as shown below. Changes are highlighted in yellow.

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

B2.1.1 Experimental Verification. Experimental verification of the model shall take the form of leakage experiments (carried out in accordance with Section B2.4B2.3) that result in the WCFF. ...

[...]

55 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)”.

60 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 D-2 Data for Refrigerant Blends

Refrigerant Number	Composition (mass %) ^a	Normal Bubble Point	
		°C	°F
[...]	[...]	[...]	[...]
510A	R-E170/600a (88.0/12.0)	-25.2	<u>-13.4</u> 4-13.4
[...]	[...]	[...]	[...]