

# ADDENDA

ANSI/ASHRAE Addendum r to ANSI/ASHRAE Standard 34-2019

# Designation and Safety Classification of Refrigerants

Approved by ASHRAE and the American National Standards Institute on June 30, 2021.

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### **FOREWORD**

Addendum r adds the zeotropic refrigerant blend R-427C to Tables 4-2 and D-2.

*Note:* In this addendum, changes to the current standard are indicated in the text by <u>underlining</u> (for additions) and <u>strikethrough</u> (for deletions) unless the instructions specifically mention some other means of indicating the changes.

### Addendum r to Standard 34-2019

### Modify Tables 4-2 and D-2 as shown.

### Table 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 427C

Composition (Mass %) = R-32/125/143a/134a (25.0/25.0/10.0/40.0)

Composition tolerances =  $\pm 1.0/\pm 2.0/\pm 1.0/\pm 2.0$ 

 $OEL = \underline{1000} \text{ ppm v/v}$ 

Safety Group =  $\underline{A1}$ 

 $RCL = 96,000 \text{ ppm v/v}; 20.0 \text{ lb/Mcf}; 330 \text{ g/m}^3$ 

Highly Toxic or Toxic Under Code Classification = Neither

### Table D-2 Data Classifications for Refrigerant Blends

Refrigerant Number =  $\underline{427C}$ 

Composition (Mass %) = R-32/125/143a/134a (25.0/25.0/10.0/40.0)

Average Relative Molar Mass = 83.3 g/mol

Bubble Point (°F) = -50.6

Dew Point (°F) = -38.9

Bubble Point ( $^{\circ}$ C) = -45.9

Dew Point (°C) =  $\underline{-39.4}$ 

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Through its *Handbook*, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

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