



## Pressure Temperature Charts

| °F  | °C    | R-1234ZE    |
|-----|-------|-------------|
| -40 | -40   | <b>19.1</b> |
| -35 | -37.2 | <b>17.3</b> |
| -30 | -34.4 | <b>15.5</b> |
| -25 | -31.7 | <b>13.2</b> |
| -20 | -28.9 | <b>11.0</b> |
| -15 | -26.1 | <b>8.1</b>  |
| -10 | -23.3 | <b>5.3</b>  |
| -5  | -20.6 | <b>2.0</b>  |
| 0   | -17.8 | <b>0.8</b>  |
| 5   | -15.0 | <b>2.7</b>  |
| 10  | -12.2 | <b>4.8</b>  |
| 15  | -9.4  | <b>7.2</b>  |
| 20  | -6.7  | <b>9.7</b>  |
| 25  | -3.9  | <b>12.5</b> |
| 30  | -1.1  | <b>15.4</b> |
| 35  | 1.7   | <b>18.7</b> |
| 40  | 4.4   | <b>22.2</b> |
| 45  | 7.2   | <b>26.0</b> |
| 50  | 10.0  | <b>30.0</b> |
| 55  | 12.8  | <b>34.4</b> |

| °F  | °C   | R-1234ZE     |
|-----|------|--------------|
| 60  | 15.6 | <b>39.1</b>  |
| 65  | 18.3 | <b>44.1</b>  |
| 70  | 21.1 | <b>49.5</b>  |
| 75  | 23.9 | <b>55.2</b>  |
| 80  | 26.7 | <b>61.3</b>  |
| 85  | 29.4 | <b>67.8</b>  |
| 90  | 32.2 | <b>74.7</b>  |
| 95  | 35.0 | <b>82.1</b>  |
| 100 | 37.8 | <b>89.9</b>  |
| 105 | 40.6 | <b>98.2</b>  |
| 110 | 43.3 | <b>107.0</b> |

**Vapor Pressure in PSIG**  
**In Vacuum (inches in Hg)**

## Refrigerant Boiling Point

| Refrigerant | Components                          | BP (0 PSIG): |
|-------------|-------------------------------------|--------------|
| R-1234ZE    | Trans-1,3,3,3-Tetrafluoroprop-1-ene | -2.1°F       |

## Physical Properties

|                                      | R-1234ZE  |
|--------------------------------------|-----------|
| Environmental Classification         | HFO       |
| Molecular Weight                     | 114 g/mol |
| Boiling Point (1atm, °F)             | -2.1      |
| Critical Pressure (psia)             | 527.36    |
| Critical Temperature (°F)            | 228.9     |
| Critical Density (lb./ft ^3)         | 30.53     |
| Vapor Density (bp, lb./ft ^3)        | 0.357     |
| Heat of Vaporization (bp, BTU/lb.)   | 84        |
| Global Warming Potential (CO2 = 1.0) | 6         |
| ASHRAE Standard 34 Safety Rating     | A2L       |

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