

| Physical Properties of Refrigerants | R407A |
|--|--------|
| Environmental Classification | HFC |
| Molecular Weight | 90.1 |
| Boiling Point (1atm, °F) | -49.9 |
| Critical Pressure (psia) | 658.6 |
| Critical Temperature (°F) | 181 |
| Critical Density(lb./ft ³) | 31.4 |
| Liquid Density (20 °F, lb./ft ³) | 72.6 |
| Vapor Density (bp, lb./ft ³) | 0.291 |
| Heat of Vaporization(bp, BTU/lb.) | 100.8 |
| Specific Head Liquid(20 °F, BTU/lb. °F) | 0.3554 |
| Specific Head Vapor (1atm, 20 °F, BTU/lb. °F) | 0.1967 |
| Ozone Depletion Potential (CFC 11 -1.0) | 0 |
| Global Warming Potential (CO ₂ = 1.0) | 2110 |
| ASHRAE Standard 34 Safety Rating | A1 |

Pressure- Temp Chart

| Temp °C | Liquid psig | Vapor psig |
|---------|-------------|------------|
| -40 | 3.9 | 1.0" |
| -37.2 | 6.4 | 1 |
| -34.4 | 9.2 | 3.3 |
| -31.6 | 12.2 | 5.8 |
| -28.8 | 15.6 | 8.5 |
| -26.1 | 19.2 | 11.5 |
| -23.3 | 23.2 | 14.9 |
| -17.7 | 27.5 | 18.5 |
| -20.5 | 32.2 | 22.5 |
| -15 | 37.3 | 26.9 |
| -12.2 | 42.8 | 31.6 |
| -9.4 | 48.7 | 36.7 |
| -6.6 | 55.1 | 42.3 |
| -3.8 | 62 | 48.3 |
| -1.1 | 69.3 | 54.8 |
| 1.6 | 77.2 | 61.8 |
| 4.4 | 85.6 | 69.4 |
| 7.2 | 94.6 | 77.4 |
| 10 | 104 | 86.1 |
| 12.7 | 114 | 95.3 |
| 15.5 | 125 | 105 |
| 18.3 | 137 | 116 |
| 21.1 | 149 | 127 |
| 23.8 | 162 | 139 |
| 26.6 | 175 | 152 |
| 29.4 | 190 | 165 |
| 32.2 | 205 | 179 |
| 35 | 221 | 194 |
| 37.7 | 238 | 210 |
| 40.5 | 255 | 227 |
| 43.3 | 274 | 245 |
| 46.1 | 293 | 264 |
| 48.8 | 314 | 284 |
| 51.6 | 335 | 305 |
| 54.4 | 358 | 327 |
| 57.2 | 382 | 350 |
| 60 | 406 | 375 |

R407A

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