

## Klea® 407A Pressure-Temperature Chart

| Evaporator         |                   |                   | Condenser          |                      |                   |
|--------------------|-------------------|-------------------|--------------------|----------------------|-------------------|
| Pressure<br>(psig) | Dew Point<br>(°F) | Mid Point<br>(°F) | Pressure<br>(psig) | Bubble Point<br>(°F) | Mid Point<br>(°F) |
| 0.0                | -37.5             | -41.3             | 70.0               | 30.4                 | 35.4              |
| 2.0                | -32.8             | -36.5             | 75.0               | 33.6                 | 38.6              |
| 4.0                | -28.5             | -32.2             | 80.0               | 36.7                 | 41.6              |
| 6.0                | -24.5             | -28.3             | 85.0               | 39.6                 | 44.5              |
| 8.0                | -20.9             | -24.6             | 90.0               | 42.5                 | 47.3              |
| 10.0               | -17.5             | -21.2             | 95.0               | 45.2                 | 50.0              |
| 12.0               | -14.3             | -17.9             | 100.0              | 47.9                 | 52.6              |
| 14.0               | -11.3             | -14.9             | 105.0              | 50.4                 | 55.2              |
| 16.0               | -8.4              | -12.0             | 110.0              | 52.9                 | 57.6              |
| 18.0               | -5.7              | -9.3              | 115.0              | 55.3                 | 60.0              |
| 20.0               | -3.1              | -6.7              | 120.0              | 57.6                 | 62.3              |
| 22.0               | -0.6              | -4.2              | 125.0              | 59.9                 | 64.5              |
| 24.0               | 1.8               | -1.8              | 130.0              | 62.1                 | 66.7              |
| 26.0               | 4.0               | 0.5               | 135.0              | 64.3                 | 68.8              |
| 28.0               | 6.2               | 2.7               | 140.0              | 66.4                 | 70.9              |
| 30.0               | 8.4               | 4.8               | 145.0              | 68.5                 | 73.0              |
| 32.0               | 10.4              | 6.9               | 150.0              | 70.5                 | 74.9              |
| 34.0               | 12.4              | 8.9               | 155.0              | 72.4                 | 76.9              |
| 36.0               | 14.3              | 10.8              | 160.0              | 74.4                 | 78.8              |
| 38.0               | 16.2              | 12.7              | 165.0              | 76.2                 | 80.6              |
| 40.0               | 18.0              | 14.5              | 170.0              | 78.1                 | 82.4              |
| 42.0               | 19.7              | 16.3              | 175.0              | 79.9                 | 84.2              |
| 44.0               | 21.4              | 18.0              | 180.0              | 81.7                 | 85.9              |
| 46.0               | 23.1              | 19.7              | 185.0              | 83.4                 | 87.7              |
| 48.0               | 24.7              | 21.3              | 190.0              | 85.1                 | 89.3              |
| 50.0               | 26.3              | 22.9              | 200.0              | 88.4                 | 92.6              |
| 52.0               | 27.9              | 24.5              | 210.0              | 91.6                 | 95.8              |
| 54.0               | 29.4              | 26.0              | 220.0              | 94.7                 | 98.8              |
| 56.0               | 30.9              | 27.5              | 230.0              | 97.8                 | 101.8             |
| 58.0               | 32.3              | 28.9              | 240.0              | 100.7                | 104.6             |
| 60.0               | 33.7              | 30.4              | 250.0              | 103.5                | 107.4             |
| 62.0               | 35.1              | 31.8              | 260.0              | 106.3                | 110.1             |
| 64.0               | 36.5              | 33.1              | 270.0              | 109.0                | 112.7             |
| 66.0               | 37.8              | 34.5              | 280.0              | 111.6                | 115.3             |
| 68.0               | 39.1              | 35.8              | 290.0              | 114.1                | 117.8             |
| 70.0               | 40.4              | 37.1              | 300.0              | 116.6                | 120.2             |
| 75.0               | 43.5              | 40.3              | 310.0              | 119.1                | 122.6             |
| 80.0               | 46.5              | 43.3              | 320.0              | 121.4                | 124.9             |
| 85.0               | 49.4              | 46.2              | 330.0              | 123.8                | 127.2             |
| 90.0               | 52.2              | 49.0              | 340.0              | 126.0                | 129.4             |
| 95.0               | 54.8              | 51.7              | 350.0              | 128.3                | 131.6             |
| 100.0              | 57.4              | 54.3              | 360.0              | 130.5                | 133.7             |

To set superheat, use evaporator dew point

To set subcool, use condenser bubble point

NOTE: Mid point is the average evaporating or condensing temperature at that pressure



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