

DuPont™ Suva®

REFRIGERANTS

Pressure-Temperature Guide – ENG

Superheat – Saturated Vapor Pressures

Typical PH Diagram
Superheat–Reference Point



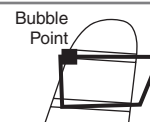
Dew Point — Saturated Vapor (psig)

| Temp. °F | Suva® MP39 R-401A | Suva® MP66 R-401B | Suva® HP80 R-402A | Suva® HP81 R-402B | Suva® 407C R-407C | Suva® 408A R-408A | Suva® 409A R-409A | Temp °C |
|----------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------|
| -40 | 13.8" | 12.4" | 5.7 | 3.7" | 4.6" | 3.1 | 14.8" | -40 |
| -38 | 12.9" | 11.3" | 6.8 | 4.7" | 3.2" | 4.0 | 13.9" | -39 |
| -36 | 11.9" | 10.3" | 7.8 | 5.7" | 1.6" | 5.0 | 13.0" | -38 |
| -34 | 10.9" | 9.2" | 9.0 | 6.7" | 0.1" | 5.9 | 12.0" | -37 |
| -32 | 9.8" | 8.0" | 10.1 | 7.8" | 0.8 | 7.0 | 10.9" | -36 |
| -30 | 8.7" | 6.8" | 11.4 | 8.9" | 1.6 | 8.0 | 9.9" | -34 |
| -28 | 7.5" | 5.5" | 12.6 | 10.1 | 2.5 | 9.1 | 8.8" | -33 |
| -26 | 6.2" | 4.2" | 13.9 | 11.3 | 3.4 | 10.3 | 7.6" | -32 |
| -24 | 5.0" | 2.8" | 15.3 | 12.5 | 4.4 | 11.5 | 6.4" | -31 |
| -22 | 3.6" | 1.4" | 16.7 | 13.8 | 5.4 | 12.7 | 5.1" | -30 |
| -20 | 2.2" | 0.1 | 18.2 | 15.1 | 6.5 | 14.0 | 3.8" | -29 |
| -18 | 0.8" | 0.8 | 19.7 | 16.5 | 7.5 | 15.3 | 2.4" | -28 |
| -16 | 0.3 | 1.6 | 21.2 | 18.0 | 8.7 | 16.7 | 0.9" | -27 |
| -14 | 1.1 | 2.4 | 22.9 | 19.4 | 9.9 | 18.1 | 0.3 | -26 |
| -12 | 1.9 | 3.3 | 24.5 | 21.0 | 11.1 | 19.6 | 1.0 | -24 |
| -10 | 2.8 | 4.2 | 26.3 | 22.6 | 12.3 | 21.1 | 1.8 | -23 |
| -8 | 3.6 | 5.1 | 28.0 | 24.2 | 13.7 | 22.7 | 2.7 | -22 |
| -6 | 4.5 | 6.1 | 29.9 | 25.9 | 15.0 | 24.3 | 3.5 | -21 |
| -4 | 5.4 | 7.1 | 31.8 | 27.7 | 16.4 | 26.0 | 4.4 | -20 |
| -2 | 6.4 | 8.1 | 33.8 | 29.5 | 17.9 | 27.7 | 5.3 | -19 |
| 0 | 7.4 | 9.2 | 35.8 | 31.4 | 19.4 | 29.5 | 6.3 | -18 |
| 2 | 8.5 | 10.3 | 37.9 | 33.3 | 21.0 | 31.3 | 7.3 | -17 |
| 4 | 9.5 | 11.5 | 40.0 | 35.3 | 22.6 | 33.2 | 8.3 | -16 |
| 6 | 10.7 | 12.7 | 42.3 | 37.3 | 24.3 | 35.2 | 9.4 | -14 |
| 8 | 11.8 | 13.9 | 44.6 | 39.5 | 26.1 | 37.2 | 10.5 | -13 |
| 10 | 13.0 | 15.2 | 46.9 | 41.6 | 27.9 | 39.3 | 11.6 | -12 |
| 12 | 14.2 | 16.5 | 49.4 | 43.9 | 29.7 | 41.4 | 12.8 | -11 |
| 14 | 15.5 | 17.9 | 51.9 | 46.2 | 31.7 | 43.6 | 14.0 | -10 |
| 16 | 16.9 | 19.3 | 54.4 | 48.6 | 33.7 | 45.9 | 15.3 | -9 |
| 18 | 18.2 | 20.8 | 57.1 | 51.1 | 35.7 | 48.2 | 16.6 | -8 |
| 20 | 19.6 | 22.3 | 59.8 | 53.6 | 37.9 | 50.6 | 18.0 | -7 |
| 22 | 21.1 | 23.8 | 62.6 | 56.2 | 40.1 | 53.1 | 19.4 | -6 |
| 24 | 22.6 | 25.4 | 65.5 | 58.9 | 42.3 | 55.7 | 20.8 | -4 |
| 26 | 24.2 | 27.1 | 68.5 | 61.6 | 44.7 | 58.3 | 22.3 | -3 |
| 28 | 25.8 | 28.8 | 71.5 | 64.4 | 47.1 | 61.0 | 23.9 | -2 |
| 30 | 27.4 | 30.6 | 74.7 | 67.3 | 49.6 | 63.7 | 25.5 | -1 |
| 32 | 29.1 | 32.4 | 77.9 | 70.3 | 52.1 | 66.6 | 27.1 | 0 |
| 34 | 30.9 | 34.2 | 81.2 | 73.4 | 54.8 | 69.5 | 28.8 | 1 |
| 36 | 32.7 | 36.2 | 84.6 | 76.5 | 57.5 | 72.5 | 30.5 | 2 |
| 38 | 34.6 | 38.2 | 88.1 | 79.8 | 60.3 | 75.6 | 32.3 | 3 |
| 40 | 36.5 | 40.2 | 91.6 | 83.1 | 63.2 | 78.7 | 34.2 | 4 |
| 42 | 38.5 | 42.3 | 95.3 | 86.5 | 66.1 | 81.9 | 36.1 | 6 |
| 44 | 40.5 | 44.5 | 99.0 | 90.0 | 69.2 | 85.3 | 38.0 | 7 |
| 46 | 42.6 | 46.7 | 102.9 | 93.5 | 72.3 | 88.7 | 40.1 | 8 |
| 48 | 44.8 | 49.0 | 106.8 | 97.2 | 75.5 | 92.2 | 42.1 | 9 |
| 50 | 47.0 | 51.4 | 110.9 | 101.0 | 78.8 | 95.7 | 44.3 | 10 |

"Denotes inches of mercury ("Hg)

Subcooling – Saturated Liquid Pressures

Typical PH Diagram
Subcooling–Reference Point



Bubble Point — Saturated Liquid (psig)

| Temp. °F | Suva® MP39 R-401A | Suva® MP66 R-401B | Suva® HP80 R-402A | Suva® HP81 R-402B | Suva® 407C R-407C | Suva® 408A R-408A | Suva® 409A R-409A | Temp °C |
|----------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------|
| 50.0 | 57.9 | 62.4 | 115.4 | 106.3 | 97.9 | 96.8 | 60.9 | 10 |
| 52.0 | 60.4 | 65.1 | 119.6 | 110.3 | 101.7 | 100.5 | 63.4 | 11 |
| 54.0 | 63.0 | 67.8 | 123.9 | 114.3 | 105.6 | 104.3 | 66.1 | 12 |
| 56.0 | 65.7 | 70.6 | 128.3 | 118.4 | 109.6 | 108.1 | 68.8 | 13 |
| 58.0 | 68.4 | 73.5 | 132.8 | 122.6 | 113.7 | 112.1 | 71.6 | 14 |
| 60.0 | 71.2 | 76.5 | 137.4 | 127.0 | 117.9 | 116.1 | 74.5 | 16 |
| 62.0 | 74.1 | 79.5 | 142.1 | 131.4 | 122.3 | 120.3 | 77.4 | 17 |
| 64.0 | 77.0 | 82.6 | 147.0 | 135.9 | 126.7 | 124.5 | 80.4 | 18 |
| 66.0 | 80.0 | 85.7 | 151.9 | 140.6 | 131.2 | 128.8 | 83.4 | 19 |
| 68.0 | 83.1 | 89.0 | 157.0 | 145.3 | 135.8 | 133.3 | 86.6 | 20 |
| 70.0 | 86.3 | 92.3 | 162.1 | 150.1 | 140.5 | 137.8 | 89.8 | 21 |
| 72.0 | 89.5 | 95.7 | 167.4 | 155.1 | 145.4 | 142.5 | 93.1 | 22 |
| 74.0 | 92.8 | 99.2 | 172.8 | 160.1 | 150.3 | 147.2 | 96.5 | 23 |
| 76.0 | 96.2 | 102.8 | 178.3 | 165.3 | 155.4 | 152.1 | 99.9 | 24 |
| 78.0 | 99.7 | 106.4 | 183.9 | 170.6 | 160.5 | 157.0 | 103.4 | 26 |
| 80.0 | 103.2 | 110.2 | 189.7 | 176.0 | 165.8 | 162.1 | 107.0 | 27 |
| 82.0 | 106.8 | 114.0 | 195.5 | 181.5 | 171.2 | 167.3 | 110.7 | 28 |
| 84.0 | 110.6 | 117.9 | 201.5 | 187.1 | 176.8 | 172.6 | 114.4 | 29 |
| 86.0 | 114.4 | 121.9 | 207.7 | 192.9 | 182.4 | 178.0 | 118.3 | 30 |
| 88.0 | 118.2 | 125.9 | 213.9 | 198.7 | 188.2 | 183.5 | 122.2 | 31 |
| 90.0 | 122.2 | 130.1 | 220.3 | 204.7 | 194.1 | 189.2 | 126.2 | 32 |
| 92.0 | 126.2 | 134.3 | 226.8 | 210.8 | 200.1 | 194.9 | 130.3 | 33 |
| 94.0 | 130.4 | 138.7 | 233.5 | 217.1 | 206.3 | 200.8 | 134.5 | 34 |
| 96.0 | 134.6 | 143.1 | 240.2 | 223.4 | 212.5 | 206.8 | 138.8 | 36 |
| 98.0 | 138.9 | 147.7 | 247.1 | 229.9 | 219.0 | 212.9 | 143.1 | 37 |
| 100.0 | 143.3 | 152.3 | 254.2 | 236.5 | 225.5 | 219.2 | 147.6 | 38 |
| 102.0 | 147.8 | 157.0 | 261.4 | 243.3 | 232.2 | 225.5 | 152.1 | 39 |
| 104.0 | 152.4 | 161.8 | 268.7 | 250.2 | 239.0 | 232.0 | 156.7 | 40 |
| 106.0 | 157.1 | 166.7 | 276.2 | 257.2 | 245.9 | 238.7 | 161.4 | 41 |
| 108.0 | 161.9 | 171.8 | 283.9 | 264.4 | 253.0 | 245.4 | 166.3 | 42 |
| 110.0 | 166.8 | 176.9 | 291.6 | 271.7 | 260.3 | 252.3 | 171.2 | 43 |
| 112.0 | 171.8 | 182.1 | 299.6 | 279.1 | 267.6 | 259.4 | 176.2 | 44 |
| 114.0 | 176.8 | 187.4 | 307.7 | 286.7 | 275.1 | 266.6 | 181.3 | 46 |
| 116.0 | 182.0 | 192.9 | 315.9 | 294.4 | 282.8 | 273.9 | 186.5 | 47 |
| 118.0 | 187.3 | 198.4 | 324.3 | 302.3 | 290.6 | 281.3 | 191.8 | 48 |
| 120.0 | 192.7 | 204.0 | 332.9 | 310.3 | 298.6 | 288.9 | 197.2 | 49 |
| 122.0 | 198.2 | 209.8 | 341.6 | 318.5 | 306.7 | 296.7 | 202.7 | 50 |
| 124.0 | 203.8 | 215.7 | 350.5 | 326.8 | 315.0 | 304.6 | 208.3 | 51 |
| 126.0 | 209.5 | 221.6 | 359.5 | 335.3 | 323.4 | 312.6 | 214.0 | 52 |
| 128.0 | 215.3 | 227.7 | 368.7 | 343.9 | 332.0 | 320.8 | 219.8 | 53 |
| 130.0 | 221.2 | 233.9 | 378.1 | 352.7 | 340.7 | 329.2 | 225.7 | 54 |
| 132.0 | 227.2 | 240.3 | 387.7 | 361.7 | 349.7 | 337.7 | 231.8 | 56 |
| 134.0 | 233.4 | 246.7 | 397.5 | 370.8 | 358.7 | 346.3 | 237.9 | 57 |
| 136.0 | 239.7 | 253.3 | 407.4 | 380.1 | 368.0 | 355.2 | 244.2 | 58 |
| 138.0 | 246.0 | 259.9 | 417.5 | 389.6 | 377.4 | 364.1 | 250.5 | 59 |
| 140.0 | 252.5 | 266.7 | 427.8 | 399.2 | 387.0 | 373.3 | 257.0 | 60 |
| 142.0 | 259.1 | 273.6 | 438.3 | 409.0 | 396.7 | 382.6 | 263.6 | 61 |
| 144.0 | 265.9 | 280.7 | 449.0 | 419.0 | 406.6 | 392.1 | 270.3 | 62 |
| 146.0 | 272.7 | 287.9 | 459.9 | 429.1 | 416.7 | 401.8 | 277.1 | 63 |
| 148.0 | 279.7 | 295.2 | 471.0 | 439.5 | 427.0 | 411.7 | 284.0 | 64 |
| 150.0 | 286.8 | 302.6 | 482.4 | 450.0 | 437.5 | 421.7 | 291.1 | 66 |

Pressure-Temperature Guide – ENG

Saturated Conditions – Pressure (psig)

| Temp. °F | Freon® 22 R-22 | Suva® 123 R-123 | Suva® 134a R-134a | Suva® 404A R-404A | Suva® 410A R-410A | Suva® 507 R-507 | Temp °C |
|-------------|----------------------|-----------------------|-------------------------|-------------------------|-------------------------|-----------------------|------------|
| -40 | 0.6 | 28.9" | 14.8" | 4.9 | 10.8 | 5.4 | -40 |
| -38 | 1.4 | 28.8" | 13.9" | 5.9 | 12.1 | 6.4 | -39 |
| -36 | 2.2 | 28.7" | 12.9" | 7.0 | 13.4 | 7.5 | -38 |
| -34 | 3.1 | 28.6" | 12.0" | 8.0 | 14.8 | 8.6 | -37 |
| -32 | 4.0 | 28.5" | 10.9" | 9.2 | 16.3 | 9.8 | -36 |
| -30 | 4.9 | 28.4" | 9.8" | 10.3 | 17.8 | 11.0 | -34 |
| -28 | 5.9 | 28.3" | 8.7" | 11.5 | 19.4 | 12.2 | -33 |
| -26 | 6.9 | 28.2" | 7.5" | 12.8 | 21.0 | 13.5 | -32 |
| -24 | 8.0 | 28.1" | 6.3" | 14.1 | 22.7 | 14.8 | -31 |
| -22 | 9.1 | 27.9" | 5.0" | 15.4 | 24.5 | 16.2 | -30 |
| -20 | 10.2 | 27.8" | 3.7" | 16.8 | 26.3 | 17.6 | -29 |
| -18 | 11.4 | 27.6" | 2.3" | 18.3 | 28.2 | 19.1 | -28 |
| -16 | 12.6 | 27.5" | 0.8" | 19.8 | 30.2 | 20.6 | -27 |
| -14 | 13.9 | 27.3" | 0.3 | 21.3 | 32.2 | 22.2 | -26 |
| -12 | 15.2 | 27.2" | 1.1 | 22.9 | 34.3 | 23.8 | -24 |
| -10 | 16.5 | 27.0" | 1.9 | 24.6 | 36.5 | 25.5 | -23 |
| -8 | 17.9 | 26.8" | 2.8 | 26.3 | 38.7 | 27.3 | -22 |
| -6 | 19.4 | 26.6" | 3.6 | 28.0 | 41.0 | 29.1 | -21 |
| -4 | 20.9 | 26.4" | 4.6 | 29.8 | 43.4 | 30.9 | -20 |
| -2 | 22.4 | 26.2" | 5.5 | 31.7 | 45.9 | 32.8 | -19 |
| 0 | 24.0 | 25.9" | 6.5 | 33.7 | 48.4 | 34.8 | -18 |
| 2 | 25.7 | 25.7" | 7.5 | 35.7 | 51.1 | 36.9 | -17 |
| 4 | 27.4 | 25.4" | 8.5 | 37.7 | 53.8 | 39.0 | -16 |
| 6 | 29.1 | 25.2" | 9.6 | 39.8 | 56.6 | 41.1 | -14 |
| 8 | 31.0 | 24.9" | 10.8 | 42.0 | 59.5 | 43.4 | -13 |
| 10 | 32.8 | 24.6" | 11.9 | 44.3 | 62.4 | 45.7 | -12 |
| 12 | 34.8 | 24.3" | 13.1 | 46.6 | 65.5 | 48.1 | -11 |
| 14 | 36.8 | 23.9" | 14.4 | 49.0 | 68.6 | 50.5 | -10 |
| 16 | 38.8 | 23.6" | 15.7 | 51.5 | 71.9 | 53.0 | -9 |
| 18 | 40.9 | 23.2" | 17.0 | 54.0 | 75.2 | 55.6 | -8 |
| 20 | 43.1 | 22.9" | 18.4 | 56.6 | 78.7 | 58.3 | -7 |
| 22 | 45.3 | 22.5" | 19.9 | 59.3 | 82.2 | 61.0 | -6 |
| 24 | 47.6 | 22.1" | 21.3 | 62.0 | 85.8 | 63.8 | -4 |
| 26 | 50.0 | 21.7" | 22.9 | 64.8 | 89.6 | 66.7 | -3 |
| 28 | 52.4 | 21.2" | 24.5 | 67.7 | 93.4 | 69.7 | -2 |
| 30 | 55.0 | 20.8" | 26.1 | 70.7 | 97.4 | 72.7 | -1 |
| 32 | 57.5 | 20.3" | 27.8 | 73.8 | 101.4 | 75.9 | 0 |
| 34 | 60.2 | 19.8" | 29.5 | 76.9 | 105.6 | 79.1 | 1 |
| 36 | 62.9 | 19.3" | 31.3 | 80.2 | 109.9 | 82.4 | 2 |
| 38 | 65.7 | 18.7" | 33.1 | 83.5 | 114.3 | 85.8 | 3 |
| 40 | 68.6 | 18.2" | 35.0 | 86.9 | 118.8 | 89.2 | 4 |
| 42 | 71.5 | 17.6" | 37.0 | 90.4 | 123.4 | 92.8 | 6 |
| 44 | 74.5 | 17.0" | 39.0 | 94.0 | 128.2 | 96.5 | 7 |
| 46 | 77.6 | 16.3" | 41.1 | 97.6 | 133.0 | 100.2 | 8 |
| 48 | 80.8 | 15.7" | 43.2 | 101.4 | 138.0 | 104.1 | 9 |
| 50 | 84.1 | 15.0" | 45.4 | 105.3 | 143.2 | 108.0 | 10 |
| 52 | 87.4 | 14.3" | 47.7 | 109.2 | 148.4 | 112.0 | 11 |
| 54 | 90.8 | 13.5" | 50.0 | 113.3 | 153.8 | 116.2 | 12 |
| 56 | 94.4 | 12.8" | 52.4 | 117.4 | 159.3 | 120.4 | 13 |
| 58 | 98.0 | 12.0" | 54.9 | 121.7 | 164.9 | 124.7 | 14 |

"Denotes inches of mercury ("Hg)

Saturated Conditions – Pressure (psig)

| Temp. °F | Freon® 22 R-22 | Suva® 123 R-123 | Suva® 134a R-134a | Suva® 404A R-404A | Suva® 410A R-410A | Suva® 507 R-507 | Temp °C |
|-------------|----------------------|-----------------------|-------------------------|-------------------------|-------------------------|-----------------------|------------|
| 60 | 101.6 | 11.2" | 57.4 | 126.0 | 170.7 | 129.2 | 16 |
| 62 | 105.4 | 10.3" | 60.0 | 130.5 | 176.6 | 133.7 | 17 |
| 64 | 109.3 | 9.4" | 62.7 | 135.0 | 182.7 | 138.4 | 18 |
| 66 | 113.2 | 8.5" | 65.4 | 139.7 | 188.9 | 143.1 | 19 |
| 68 | 117.3 | 7.6" | 68.2 | 144.4 | 195.3 | 148.0 | 20 |
| 70 | 121.4 | 6.6" | 71.1 | 149.3 | 201.8 | 153.0 | 21 |
| 72 | 125.7 | 5.6" | 74.1 | 154.3 | 208.4 | 158.1 | 22 |
| 74 | 130.0 | 4.6" | 77.1 | 159.4 | 215.2 | 163.3 | 23 |
| 76 | 134.5 | 3.5" | 80.2 | 164.6 | 222.2 | 168.6 | 24 |
| 78 | 139.0 | 2.4" | 83.4 | 169.9 | 229.3 | 174.1 | 26 |
| 80 | 143.6 | 1.2" | 86.7 | 175.4 | 236.5 | 179.6 | 27 |
| 82 | 148.4 | 0.0" | 90.0 | 181.0 | 244.0 | 185.3 | 28 |
| 84 | 153.2 | 0.6 | 93.5 | 186.7 | 251.6 | 191.1 | 29 |
| 86 | 158.2 | 1.2 | 97.0 | 192.5 | 259.3 | 197.1 | 30 |
| 88 | 163.2 | 1.8 | 100.6 | 198.4 | 267.3 | 203.1 | 31 |
| 90 | 168.4 | 2.5 | 104.3 | 204.5 | 275.4 | 209.3 | 32 |
| 92 | 173.7 | 3.2 | 108.1 | 210.7 | 283.6 | 215.6 | 33 |
| 94 | 179.1 | 3.9 | 112.0 | 217.0 | 292.1 | 222.1 | 34 |
| 96 | 184.6 | 4.6 | 115.9 | 223.4 | 300.7 | 228.7 | 36 |
| 98 | 190.2 | 5.3 | 120.0 | 230.0 | 309.5 | 235.4 | 37 |
| 100 | 195.9 | 6.1 | 124.2 | 236.8 | 318.5 | 242.3 | 38 |
| 102 | 201.8 | 6.9 | 128.4 | 243.6 | 327.7 | 249.3 | 39 |
| 104 | 207.7 | 7.7 | 132.7 | 250.6 | 337.1 | 256.5 | 40 |
| 106 | 213.8 | 8.5 | 137.2 | 257.8 | 346.7 | 263.8 | 41 |
| 108 | 220.0 | 9.4 | 141.7 | 265.1 | 356.5 | 271.2 | 42 |
| 110 | 226.4 | 10.3 | 146.4 | 272.5 | 366.4 | 278.8 | 43 |
| 112 | 232.8 | 11.2 | 151.1 | 280.1 | 376.6 | 286.6 | 44 |
| 114 | 239.4 | 12.1 | 156.0 | 287.9 | 387.0 | 294.5 | 46 |
| 116 | 246.1 | 13.1 | 160.9 | 295.8 | 397.6 | 302.6 | 47 |
| 118 | 253.0 | 14.1 | 166.0 | 303.8 | 408.4 | 310.8 | 48 |
| 120 | 260.0 | 15.1 | 171.2 | 312.1 | 419.4 | 319.2 | 49 |
| 122 | 267.1 | 16.1 | 176.5 | 320.4 | 430.7 | 327.8 | 50 |
| 124 | 274.3 | 17.2 | 181.8 | 329.0 | 442.1 | 336.5 | 51 |
| 126 | 281.7 | 18.3 | 187.4 | 337.7 | 453.8 | 345.4 | 52 |
| 128 | 289.2 | 19.4 | 193.0 | 346.6 | 465.8 | 354.5 | 53 |
| 130 | 296.9 | 20.6 | 198.7 | 355.6 | 477.9 | 363.8 | 54 |
| 132 | 304.7 | 21.7 | 204.6 | 364.9 | 490.3 | 373.2 | 56 |
| 134 | 312.6 | 22.9 | 210.6 | 374.3 | 503.0 | 382.9 | 57 |
| 136 | 320.7 | 24.2 | 216.7 | 383.9 | 515.9 | 392.7 | 58 |
| 138 | 329.0 | 25.5 | 222.9 | 393.7 | 529.1 | 402.7 | 59 |
| 140 | 337.4 | 26.8 | 229.2 | 403.7 | 542.5 | 413.0 | 60 |
| 142 | 345.9 | 28.1 | 235.7 | 413.9 | 556.2 | 423.4 | 61 |
| 144 | 354.6 | 29.5 | 242.3 | 424.3 | 570.2 | 434.1 | 62 |
| 146 | 363.5 | 30.9 | 249.0 | 434.9 | 584.5 | 445.0 | 63 |
| 148 | 372.5 | 32.3 | 255.9 | 445.7 | 599.0 | 456.1 | 64 |
| 150 | 381.7 | 33.8 | 262.9 | 456.8 | 613.88 | 467.4 | 66 |

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