

PROPANE TANK VAPORIZATION TABLES

The vaporization rate (how much propane gas is made available for vapor-withdrawal heating systems) of a propane tank is affected by how full the tank is and the ambient temperature. The below tables show that the BTU/hr capability of propane tanks decrease as propane is used and in colder temperatures.

VAPORIZATION RATE OF 500 GALLON PROPANE TANK

| Temp F \ % Full | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| 50° | 273,000 | 364,000 | 455,000 | 546,000 | 637,000 | 728,000 | 805,350 | 841,750 |
| 40° | 273,000 | 364,000 | 455,000 | 546,000 | 637,000 | 728,000 | 805,350 | 841,750 |
| 0° | 227,500 | 304,850 | 372,100 | 455,000 | 523,250 | 609,700 | 682,500 | 750,750 |
| 20° | 182,000 | 236,600 | 304,850 | 364,000 | 395,850 | 477,750 | 532,350 | 614,250 |
| 10° | 136,500 | 182,000 | 227,500 | 273,000 | 295,750 | 364,000 | 386,750 | 455,000 |
| 0° | 91,000 | 113,750 | 154,700 | 182,000 | 204,750 | 236,600 | 259,350 | 295,750 |
| -10° | 45,000 | 59,150 | 77,350 | 91,000 | 100,100 | 113,750 | 136,500 | 150,150 |
| -20° | 22,750 | 29,125 | 38,250 | 45,150 | 50,000 | 56,250 | 68,200 | 75,100 |

Vaporization rate, in BTU/hr, of 500-gallon tank (41" x 8' 8" overall) at different temperatures and fill percentages.

VAPORIZATION RATE OF 1,000 GALLON PROPANE TANK

| Temp F \ % Full | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% |
|-----------------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| 50° | 682,500 | 855,400 | 1,023,750 | 1,325,000 | 1,389,750 | 1,569,750 | 1,751,750 | 1,933,750 |
| 40° | 582,400 | 725,000 | 887,250 | 1,150,000 | 183,000 | 1,342,250 | 1,501,500 | 1,660,750 |
| 30° | 491,400 | 523,250 | 728,000 | 864,500 | 1,001,000 | 1,128,400 | 1,251,250 | 1,387,750 |
| 20° | 391,300 | 477,350 | 491,500 | 682,500 | 796,250 | 896,350 | 1,000,100 | 1,092,000 |
| 10° | 291,200 | 364,000 | 432,250 | 523,250 | 591,500 | 673,400 | 750,750 | 819,000 |
| 0° | 200,200 | 236,400 | 295,750 | 341,250 | 395,850 | 455,000 | 500,500 | 546,000 |
| -10° | 109,200 | 127,400 | 154,600 | 182,000 | 204,750 | 227,500 | 250,250 | 273,000 |
| -20° | 50,000 | 64,200 | 72,350 | 90,250 | 101,300 | 112,250 | 122,150 | 135,250 |

Vaporization rate, in BTU/hr, of 1,000-gallon tank (41" x 16' 3" overall) at different temperatures and fill percentages