

Pressure/Temperature Chart

| PSIG | R-22 | R-134A | R-410A | | PSIG | R-22 | R-134A | R-410A |
|------|------|--------|--------|--|------|------|--------|--------|
| 0 | -41 | -15 | -60 | | 78 | 46 | 75 | 20 |
| 2 | -37 | -10 | -58 | | 80 | 48 | 76 | 21 |
| 4 | -32 | -5 | -54 | | 85 | 51 | 79 | 24 |
| 6 | -28 | -1 | -50 | | 90 | 54 | 82 | 26 |
| 8 | -24 | 3 | -46 | | 95 | 56 | 85 | 29 |
| 10 | -20 | 7 | -42 | | 100 | 59 | 88 | 32 |
| 12 | -17 | 10 | -39 | | 105 | 62 | 90 | 34 |
| 14 | -14 | 13 | -36 | | 110 | 64 | 93 | 36 |
| 16 | -11 | 16 | -33 | | 115 | 67 | 96 | 39 |
| 18 | -8 | 19 | -30 | | 120 | 69 | 98 | 41 |
| 20 | -5 | 22 | -28 | | 125 | 72 | 100 | 43 |
| 22 | -3 | 25 | -26 | | 130 | 74 | 103 | 45 |
| 24 | 0 | 27 | -24 | | 135 | 76 | 105 | 47 |
| 26 | 2 | 30 | -20 | | 140 | 78 | 107 | 49 |
| 28 | 5 | 32 | -18 | | 145 | 81 | 109 | 51 |
| 30 | 7 | 35 | -16 | | 150 | 83 | 112 | 53 |
| 32 | 9 | 37 | -14 | | 160 | 87 | 116 | 57 |
| 34 | 11 | 39 | -12 | | 170 | 91 | 120 | 60 |
| 36 | 13 | 41 | -10 | | 180 | 94 | 123 | 64 |
| 38 | 15 | 43 | -8 | | 190 | 98 | 127 | 67 |
| 40 | 17 | 45 | -6 | | 200 | 101 | 131 | 70 |
| 42 | 19 | 47 | -4 | | 210 | 105 | 134 | 73 |
| 44 | 21 | 49 | -3 | | 220 | 108 | 137 | 76 |
| 46 | 23 | 51 | -2 | | 225 | 110 | 139 | 78 |
| 48 | 24 | 52 | 0 | | 235 | 113 | 142 | 80 |
| 50 | 26 | 54 | 1 | | 245 | 116 | 145 | 83 |
| 52 | 28 | 56 | 3 | | 255 | 119 | 148 | 85 |
| 54 | 29 | 57 | 4 | | 265 | 121 | 151 | 88 |
| 56 | 31 | 59 | 6 | | 275 | 124 | 153 | 90 |
| 58 | 32 | 60 | 7 | | 285 | 127 | 155 | 92 |
| 60 | 34 | 62 | 8 | | 295 | 130 | 158 | 95 |
| 62 | 35 | 64 | 10 | | 305 | 133 | 161 | 97 |
| 64 | 37 | 65 | 11 | | 325 | 137 | 167 | 101 |
| 66 | 38 | 66 | 13 | | 355 | 144 | 173 | 108 |
| 68 | 40 | 68 | 14 | | 375 | 148 | 177 | 112 |
| 70 | 41 | 69 | 15 | | 405 | 155 | 182 | 118 |
| 72 | 42 | 71 | 16 | | 500 | 173 | 202 | 134 |
| 74 | 44 | 72 | 17 | | 600 | N/A | N/A | 149 |
| 76 | 45 | 73 | 19 | | 700 | N/A | N/A | 159 |

Formulas: Motor RPM

$$Srpm = \frac{120 \times F}{P}$$

**Natural Gas/Propane
Electric Heat**

$$CFM = (\text{Input BTU} \times \text{thermal efficiency}) / (1.08 \times \Delta T)$$

$$CFM = (\text{Volts} \times \text{Amps} \times 3.41) / (1.08 \times \Delta T)$$

Compression Ratio =

$$\frac{\text{PSIA Head Pressure}}{\text{PSIA Suction Pressure}}$$