

# HEATING OIL IN AN INSULATED TANK

## QUICK ESTIMATE CHART

| OIL AMOUNT |            | WATTAGE REQUIRED TO RAISE OIL TEMPERATURE °F IN 1 HOUR |       |       |       |        |        |        |        |
|------------|------------|--|-------|-------|-------|--------|--------|--------|--------|
| (Gallons)  | (Cubic Ft) | 10° F  | 25° F | 50° F | 75° F | 100° F | 150° F | 250° F | 300° F |
| 1          | 0.13       | 14   | 36    | 72    | 108   | 144    | 216    | 360    | 431    |
| 5          | 0.67       | 72   | 180   | 360   | 539   | 719    | 1079   | 1798   | 2157   |
| 10         | 1.34       | 144  | 360   | 719   | 1079  | 1438   | 2157   | 3595   | 4314   |
| 15         | 2.01       | 216  | 539   | 1079  | 1618  | 2157   | 3236   | 5393   | 6472   |
| 20         | 2.67       | 288  | 719   | 1438  | 2157  | 2876   | 4314   | 7191   | 8629   |
| 25         | 3.34       | 360  | 899   | 1798  | 2696  | 3595   | 5393   | 8988   | 10786  |
| 30         | 4.01       | 431  | 1079  | 2157  | 3236  | 4314   | 6472   | 10786  | 12943  |
| 40         | 5.35       | 575  | 1438  | 2876  | 4314  | 5752   | 8629   | 14381  | 17257  |
| 50         | 6.69       | 719  | 1798  | 3595  | 5393  | 7191   | 10786  | 17976  | 21572  |
| 60         | 8.02       | 863  | 2157  | 4314  | 6472  | 8629   | 12943  | 21572  | 25886  |
| 70         | 9.36       | 1007   | 2517  | 5033  | 7550  | 10067  | 15100  | 25167  | 30200  |
| 80         | 10.7       | 1150   | 2876  | 5752  | 8629  | 11505  | 17257  | 28762  | 34515  |
| 100        | 13.37      | 1438   | 3595  | 7191  | 10786 | 14381  | 21572  | 35953  | 43144  |
| 120        | 16.04      | 1726   | 4314  | 8629  | 12943 | 17257  | 25886  | 43144  | 51772  |
| 150        | 20.06      | 2157   | 5393  | 10786 | 16179 | 21572  | 32358  | 53929  | 64715  |
| 175        | 23.4       | 2517   | 6292  | 12584 | 18875 | 25167  | 37751  | 62918  | 75501  |
| 200        | 26.74      | 2876   | 7191  | 14381 | 21572 | 28762  | 43144  | 71906  | 86287  |
| 250        | 33.43      | 3595   | 8988  | 17976 | 26965 | 35953  | 53929  | 89882  | 107859 |
| 300        | 40.11      | 4314   | 10786 | 21572 | 32358 | 43144  | 64715  | 107859 | 129431 |
| 400        | 63.48      | 5752   | 14381 | 28762 | 43144 | 57525  | 86287  | 143812 | 172574 |
| 500        | 66.85      | 7191   | 17976 | 35953 | 53929 | 71906  | 107859 | 179765 | 215718 |
| 750        | 100.28     | 10786  | 26965 | 53929 | 80894 | 107859 | 161788 | 269647 | 323577 |