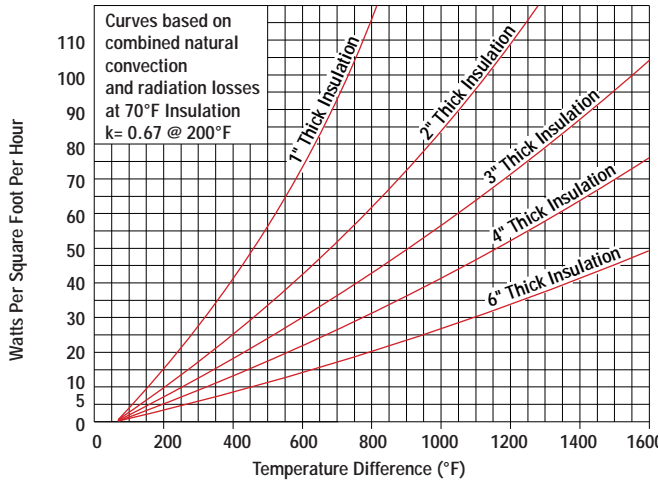


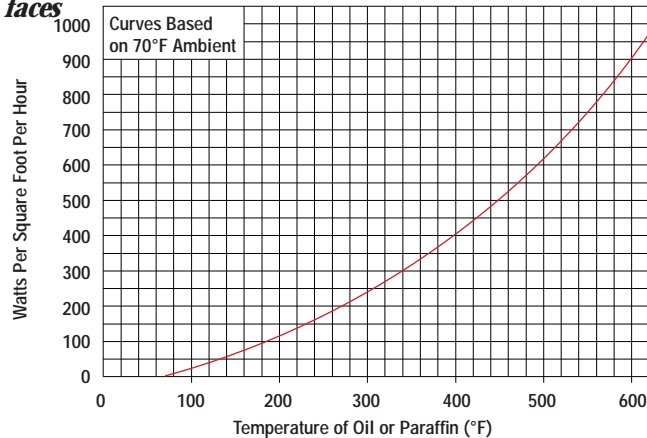
Technical Information

Heat Loss Factors & Graphs

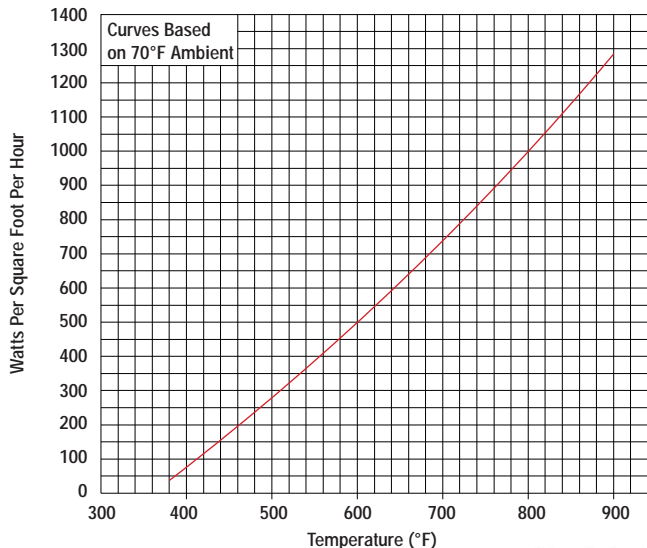
Graph G-126S — Heat Losses from Surfaces of Insulated Walls of Ovens, Pipes, Tanks, Etc.



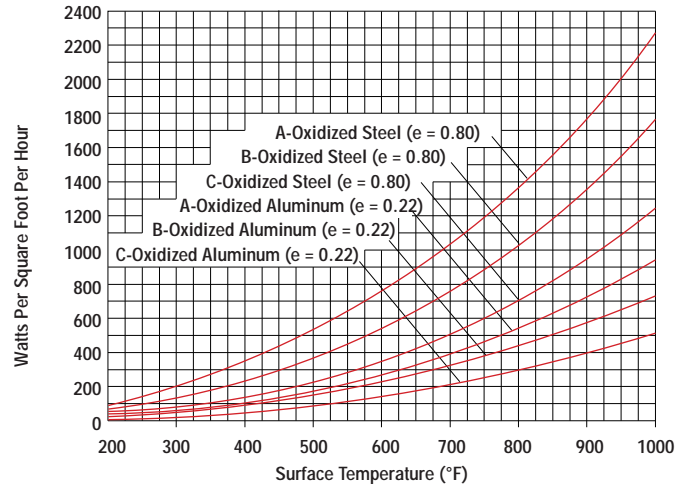
Graph G-127S — Heat Losses from Oil or Paraffin Surfaces



Graph G-128S — Heat Losses from Molten Metal Surfaces (Lead, Babbit, Tin, Type Metal, Solder, Etc.)



Graph G-125S — Heat Losses from Uninsulated Metal Surfaces Combined Losses from Convection & Radiation



Curve A shows heat loss from vertical surfaces of tanks, pipes, etc. and the top of a flat horizontal surface.

Curve B shows the combined heat loss from both the top and bottom surfaces of flat horizontal surfaces.

Curve C shows heat losses from only the bottom surface of flat horizontal surfaces.

All Curves based on still air (1 fps) @ 70°F, e = emissivity.

Note — The above graph is difficult to read for surface temperatures below 250°F. To estimate heat losses for surface temperatures below 250°F, and the air is still, use the following formula:

$$0.6 W \times ft^2 \times \Delta T^\circ F$$

Where:

ΔT is the temperature difference in °F between the heated surface and the ambient.

Graph G-114S — Heat Losses from Water Surfaces

