

# RULES OF THUMB

*NB: All the estimates given on this page are very rough generic figures and may not apply in specific circumstances. They should not be used as the basis of investment decisions.*

## Space heating

Dropping average space temperature by 1°C will save about 8% on heating fuel requirement

## Combustion

A 1% fuel saving will result from a 20°C reduction in flue temperature or a 15 percentage-point reduction in excess air

## Air compressors

Reducing inlet air temperature by 6°C will improve efficiency by 1%

Reducing discharge pressure by 1 bar will save 6% energy

*Tip: turn off the air supply out of working hours and time how long it takes the pressure to drop by 1 bar. Dividing the volume of your air receivers by the measured time gives a direct estimate of the air loss rate.*

## Chillers

A 3% improvement in chiller compressor efficiency will result from a 1°C reduction in condenser temperature or 1°C increase in evaporator temperature.

## Steam leaks

*Tip: observe the plume from an electric kettle of known power (e.g. 2kW). When you see a steam leak, compare the size of its plume to estimate the corresponding energy loss.*