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# energy solutions for business

## *cold storage units*

The energy efficiency of your cold storage unit is affected by many factors, all of which can make a big difference to your bill.

### Tips for cold store efficiency

- Position your cold storage unit away from walls that receive direct sunlight.
- Paint the external walls of your business and the unit itself a pale colour to reflect as much heat as possible.
- Insulating your building's walls and ceilings will not only help cut your cooling costs but will also help reduce the workload for your cold storage unit. Consider at least R40 for walls and R60 for ceilings.
- Maintenance is another way to save money in the long term. Ensuring your cold store units have well-maintained fans will help achieve optimum cold air circulation and set the temperature as recommended. Service the motor regularly.
- As with any energy efficiency, only turn on the unit's lights when needed. Make sure you turn off lights when finished.
- Seal any gaps around internal piping and electrical work.
- Plastic strip door curtains or an air curtain will help to trap cold air in the unit during loading and unloading.
- Does your cold storage unit size match your current needs? Units that are too big use more energy to cool unfilled space while units that are too small need to use more energy to keep the contents cool.
- If you don't have someone on staff, work with a specialist cold storage designer to make sure you achieve maximum efficiency by matching your storage needs and local conditions to the unit you purchase.



(Source: [www.ehp.qld.gov.au/sustainability/sector-guides/convenience/energy.html](http://www.ehp.qld.gov.au/sustainability/sector-guides/convenience/energy.html) 14/2/13)

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