

Heating and Cooling Checklist

Retail sector

A common issue that significantly increases energy consumption in the retail environment is when heating and air conditioning systems both operate at the same time. This results in significant increases in energy consumption.

Once you have watched the supporting animation, use this checklist to control your heating and cooling systems.

Basic heating and cooling system maintenance is simple and quick to undertake. Regular checks will ensure optimum performance of systems and will reduce energy costs. Use this checklist in regular housekeeping walk arounds to help identify key low or no cost energy saving opportunities within your organisation.

Heating and Cooling Checklist	Complete	Actions/comments
Check your current heating operating times and settings. Utilise the heating control panel and make a note of the settings.		
Check your cooling system settings. Utilise the control panel for the cooling system(s) and make a note of the settings.		
Implement the recommended temperature settings shown in the diagram. This provides a 5 °C buffer where neither the heating or cooling system should operate.		
Undertake regular checks to ensure that buffer is maintained. Changes in outside temperature may necessitate a change in the heating and cooling recommended temperatures, however, always maintain the 5 °C buffer.		
Consult with your heating and cooling service engineers to see if the thermostats and temperature sensors for your heating and cooling systems are located in the optimum positions and are working correctly.		

For further advice on how to improve existing systems across the above areas, please visit

www.carbontrust.co.uk/energy/startsaving/technology.htm

The Carbon Trust was set up by Government in 2001 as an independent company.

The Carbon Trust's mission is to accelerate the move to a low carbon economy, by working with organisations to reduce carbon emissions now and develop commercial low carbon technologies for the future.

We cut carbon emissions now

- By providing business and the public sector with expert advice, finance and accreditation.
- By stimulating demand for low carbon products and services.

We cut future carbon emissions

- By developing new low carbon technologies through project funding and management, investment and collaboration.
- By identifying market barriers and practical ways to overcome them.

Visit www.carbontrust.co.uk or call 0800 085 2005.

The Carbon Trust is funded by the Department of Energy and Climate Change (DECC), the Department for Business, Enterprise and Regulatory Reform (BERR), the Scottish Government, the Welsh Assembly Government and Invest Northern Ireland.

Whilst reasonable steps have been taken to ensure that the information contained within this publication is correct, the authors, the Carbon Trust, its agents, contractors and sub-contractors give no warranty and make no representation as to its accuracy and accept no liability for any errors or omissions. Any trademarks, service marks or logos used in this publication, and copyright in it, are the property of the Carbon Trust. Nothing in this publication shall be construed as granting any licence or right to use or reproduce any of the trademarks, service marks, logos, copyright or any proprietary information in any way without the Carbon Trust's prior written permission. The Carbon Trust enforces infringements of its intellectual property rights to the full extent permitted by law.

The Carbon Trust is a company limited by guarantee and registered in England and Wales under Company number 4190230 with its Registered Office at: 6th Floor, 5 New Street Square, London EC4A 3BF.

Published in the UK: March 2011. © The Carbon Trust 2011. All rights reserved. CTL128

