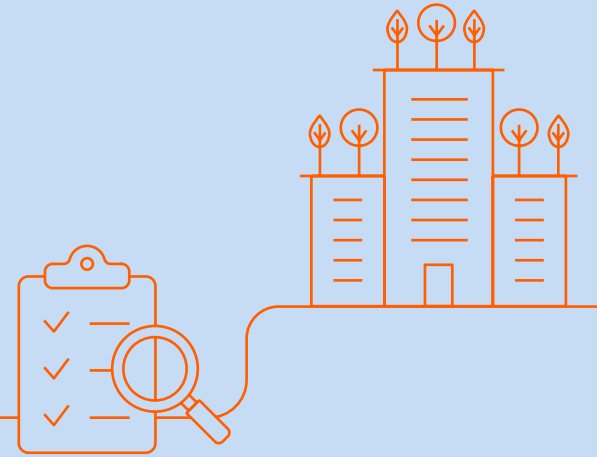


TM44 Air Conditioning Inspections

Ensure compliance and optimise efficiency.



TM44 Air Conditioning Inspections ensure compliance and optimise efficiency by assessing air conditioning systems for efficiency, faults, and cost-saving recommendations. The inspection helps avoid legal penalties and provides valuable data on energy usage, cost projections, and recommendations for improving efficiency and reducing environmental impact.

What is a TM44 Air Conditioning Inspection?

First introduced in 2011 by the Energy Performance of Buildings Directive (EPBD), a TM44 regulation inspection is where an accredited assessor comes out to inspect your air conditioning system.

The assessment will review the efficiency of your system, check for faults, and provide advice on how to make it more efficient to reduce the costs involved in running it. Following the inspection, a full report will be provided detailing findings, faults, and recommendations.

Do I need a TM44 inspection?

Building owners and managers with control of air conditioning systems with an effective rated output of more than 12kW are legally required to ensure compliance with the regulation. This includes systems consisting of individual units which are less than 12kW but whose combined effective rated output is more than 12kW. This applies to both commercial and residential properties, and it is the responsibility of

the person who controls the technical functioning of the air conditioning system to arrange the inspection every five years to remain compliant.

Why is a TM44 inspection important?

There are several benefits to having a TM44 inspection, not least, a company can avoid breaking the law and penalties for non-compliance.

Trading Standards will fine £500 for each building if the report is not provided to them upon request within seven days.

The central register is found at [gov.uk/find-energy-certificate](https://www.gov.uk/find-energy-certificate), providing visibility of the database for those buildings that have/haven't lodged a compliance certificate.

A TM44 inspection examines the refrigeration, air and water movement equipment that are part of the air conditioning system and associated controls.

The report will make recommendations for replacing less efficient or oversized systems and offer insight on how to:

- Improve efficiency
- Reduce electricity consumption and carbon emissions
- Decrease operating and maintenance costs
- Optimise controls and settings

A value-added service: How our reports differ from other providers

A TM44 certificate and report is required for compliance purposes. Our service provides added value and return on your investment:

- Energy data usage and refrigerant quantities for each system on site
- Projection of the energy and operating

cost of each system and for the whole site

- Energy costs and savings of implementing the recommendations
- Energy Efficiency Rating (EER) for each system
- Assessment of the actual occupancy hours to the settings to show savings
- Asset list for all air conditioning equipment and F-gas logbook
- Identification of inefficient systems for investment/upgrade

Our TM44 inspections will provide a return on investment if the recommendations are acted upon.

Did you know?

The refrigerant used in air conditioning systems is thousands of times more damaging than carbon dioxide.

The cooling industry accounts for 10% of global carbon dioxide (CO₂) emissions, predicted to increase to 20% by 2050.

Chemicals called Hydrofluorocarbons (HFCs) are used in air conditioning for cooling but have a Global Warming Potential (GWP) thousands of times greater than CO₂ if they leak.

Some HFCs are more than 13,000 times more harmful to the ozone layer, with the most commonly used typically 3,500 times more damaging.

This should be the most important consideration when evaluating whether you need to commission a TM44 inspection for your site.