Containerised Plant Rooms Featuring OCHSNER Heat Pumps - Todmorden Leisure Centre

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Plug In-and-Play Sustainability: Transforming Todmorden Leisure Centre with Containerised Heat Pump Technology

Summary of Changes

Transforming Todmorden Leisure Centre with Air Source Heat Pumps

Todmorden Leisure Centre has taken a major step towards a sustainable future by replacing its old oil-fired heating system with state-of-the-art OCHSNER air source heat pumps. The upgrade was designed to serve both the swimming pool and gym facilities, areas that previously relied on an expensive and carbon-heavy oil boiler system. The change not only reduces the centre's environmental impact but also dramatically lowers its energy costs, securing the long-term viability of this vital community hub.

A key feature of this project was the innovative use of containerised plant rooms, built and fully equipped off-site before being delivered to Todmorden. These self-contained units house the heat pumps, with the evaporators positioned neatly on top of the containers. This approach allowed for minimal disruption to the leisure centre's daily operations while ensuring that everything could be delivered, installed, and connected quickly – truly a plug-and-play solution.

The installer's team delivered the project to a high standard, carefully integrating the new heat pump system with the existing infrastructure. The result is a modern, efficient heating solution that maintains comfort for pool users and gym-goers while slashing running costs. The system has already demonstrated how well-designed air source heat pump technology can deliver reliable performance in demanding commercial settings.

This installation showcases the future of commercial heating in the UK. By replacing oil with highly efficient air source technology, Todmorden Leisure Centre not only achieved significant energy savings but also set a benchmark for other public and commercial buildings. OCHSNER's solutions prove that air source heat pumps are not just for homes – they are perfectly suited for large-scale projects where sustainability, efficiency, and cost savings are essential.

For more information regarding OCHSNER heat pumps contact our England and Wales team below.

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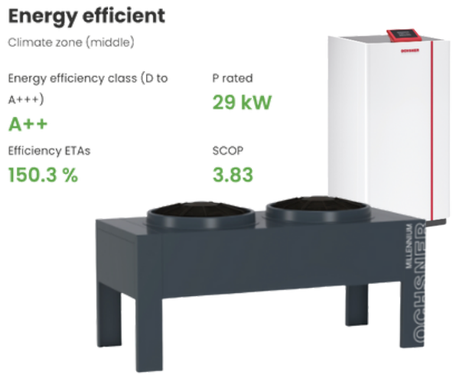
AIR 41

The heat pump is suitable for high building heat loads between 23 and 38 kW. It delivers heat and DHW up to 65°C. It can also be configured for active cooling. The indoor unit has a footprint of less than half a square metre. The outdoor unit is equipped with two highly efficient horizontal bench evaporators. The AIR 41 can be cascaded for higher output demands.



Containerised Plant Room Solutions

Future Proofing Commercial Projects is Essential to Making A Real Environmental Impact

Two purpose-built containerised plant rooms were installed outside Todmorden Leisure Centre, each housing four cascades of four OCHSNER Air 41 heat pumps. Together, these systems now generate all the heating and hot water required for the swimming pool and gym facilities, entirely replacing the old oil-fired boilers. With evaporators positioned on the container rooftops, the design maximises space efficiency while ensuring quiet, reliable performance.

What appears at first glance to be a simple “plug-and-play” solution is in fact the result of highly specialised engineering and careful planning. Designing containerised plant rooms for a project of this scale requires precise expertise—not just in the heating technology itself, but also in airflow, hydraulics, insulation, and integration with existing infrastructure. The installation team delivered exceptional workmanship, ensuring that every detail, from pipework to controls, met the highest standards of reliability and efficiency.

The benefits of such a system are immense. Since commissioning, the leisure centre has seen an estimated 65% reduction in energy bills compared to oil. Carbon emissions have been slashed by approximately 250 tonnes of CO_2 per year, delivering a huge step forward in the local council’s sustainability commitments. For the wider community and environment, it means a significant reduction in fossil fuel dependence and a move towards long-term sustainability.

OCHSNER’s renowned build quality—heat pumps designed to last for generations—makes this kind of investment especially valuable for commercial projects. The long-term gains, both financially and environmentally, are critical to ensuring leisure facilities like Todmorden can continue to thrive while reducing their environmental impact. This project demonstrates how air source heat pumps are not just a viable alternative to oil and gas but the future of heating in the UK’s commercial sector.

At the forefront of innovation since 1978, Ochsner heat pumps are engineered with cutting-edge technology to surpass the highest performance and environmental benchmarks. Each Ochsner system is a testament to our commitment to harnessing natural resources with exceptional efficiency to minimise the ecological footprint of your home. Our dedication to a sustainable future is matched by our pursuit of designing whisper-quiet heat pumps that preserve the peace and quiet of your living environment.

By choosing Ochsner, you are not just selecting a superior heating and cooling system; you are embracing a philosophy of environmental stewardship and technological leadership. Experience the Ochsner difference: where innovation, efficiency, and silence converge.

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