

# OCHSNER Heat Pumps - Queens College Cambridge University



**OCHSNER**  
HEAT PUMPS



Queens College Cambridge - Erasmus Building was erected 1959-60 to the design of Sir Basil Spence.

41 en-suite study-bedrooms and two sets for Fellows.

OCHSNER Air Hawk 726 Heat Pumps – Erasmus Building Halls of Residence

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## Summary of Changes

The Erasmus Building, a busy halls of residence, has made a major step toward sustainability by moving away from its gas-fired boilers and adopting an innovative air source heat pump solution. The project saw the installation of a cascade of three OCHSNER Air Hawk 726 units, delivering a complete system for heating, cooling, and domestic hot water for the students living below.

The internal plant room now houses the advanced OCHSNER indoor units, while the external evaporators are positioned discreetly on the flat roof of the building. This clever arrangement has freed up valuable internal space while maximising performance and efficiency.

Each OCHSNER Air Hawk 726 provides:

- High efficiency performance across all seasons.
- Quiet operation, essential for residential and urban settings.
- Dual functionality, delivering heating during the cooler months and cooling in summer for year-round comfort.
- Reliable domestic hot water generation, meeting the demands of a large student community.

A further advantage of the OCHSNER Air Hawk 726 is the ability to expand in cascades, meaning additional units can be added in the future as the building's requirements grow or as energy efficiency targets tighten. This scalability makes the Erasmus Building installation a truly future-proof investment.

By choosing OCHSNER, the project not only secured significant reductions in carbon emissions but also improved the comfort and energy security of the halls of residence. The transition from fossil fuels to high-performance renewable technology highlights how OCHSNER Air Hawk heat pumps are shaping the future of sustainable building services in the UK.

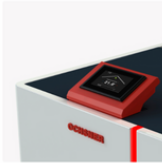
For more information regarding OCHSNER heat pumps contact our England and Wales team below.

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AIR HAWK 726

The high end heat pump is suitable for buildings with heat loads between 18 and 22 kW; higher outputs are also possible with a cascade. It works with a speed controlled compressor and delivers heat and DHW up to 65°C. It can also be used for energy saving surface cooling and for active air conditioning and room dehumidification via fan coils. The AIR HAWK 726 features an impressive SCOP that puts it ahead of the competition (above 5 at 35°C flow temperature), as well as extremely quiet operation of the two powerful fans in the bench evaporator outdoor unit. This makes it the perfect solution even in high-density residential areas. The slimline indoor unit has a footprint of less than half a square metre. The system is controlled using the cutting-edge technology of the Ochsner Tronic Smart (OTS).



Energy efficient

Climate zone (middle)

Energy efficiency class (D to A+++)

A+++

Efficiency ETAs

198.6 %

P rated

17 kW

SCOP

5.04



Cambridge University - Queens College - Erasmus

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

The university has taken a truly forward-thinking step by replacing its outdated gas-fired boilers with a cutting-edge renewable solution. In line with its wider sustainability goals, the decision to move to OCHSNER air source heat pumps demonstrates a clear commitment to reducing carbon emissions, lowering long-term energy costs, and providing a more resilient heating and cooling system for its students and Fellows.

At the heart of the project is the Erasmus Building, designed by Sir Basil Spence and erected between 1959–60. The building contains 41 en-suite study-bedrooms and two sets for Fellows, making it a vital part of campus life. Like many buildings of its era, it was previously reliant on traditional gas-fired boilers, which were both carbon intensive and increasingly costly to run.

By installing a cascade of OCHSNER Air Hawk 726 units, the university has secured a future-proof solution that transforms the comfort and efficiency of the building. These exceptional machines deliver heating during the colder months, cooling during warmer periods, and provide all domestic hot water requirements for residents. The result is a modern, flexible, and environmentally responsible system that aligns with the university’s sustainability ambitions while safeguarding the comfort of its occupants year-round.

This installation not only preserves the legacy of one of Sir Basil Spence’s iconic designs but also reimagines it for a low-carbon future—showcasing how historic academic buildings can be sensitively adapted to meet the energy demands of today and tomorrow.



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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