

ideal
HEATING
COMMERCIAL



IMAX XTRA 2 BOILERS

HULL MARITIME MUSEUM
CASE STUDY



IMAX XTRA 2 BOILERS DELIVER ENERGY EFFICIENT HEATING FOR HULL MARITIME MUSEUM

Opened in 1871 as Hull's Dock Offices, this Grade 2* listed building became Hull Maritime Museum in 1975, highlighting Hull's role as a modern maritime city, and exploring the history of merchant shipping, fishing and whaling in the region. As part of an ambitious restoration project that began in 2020, the museum will have a new atrium and a significant number of artefact storage spaces will be converted into public galleries.

Hull Maritime Museum had been heated by a 30 year old cast iron section boiler. The boiler had not

only outlived its natural working lifespan, but was also energy inefficient. With building services being replaced and updated throughout the museum as part of the restoration project, the old boiler has now been replaced by two Imax Xtra 2 240kW boilers installed in cascade on a prefabricated header kit.

ENERGY EFFICIENCY

The Imax Xtra 2 range of floor standing condensing boilers from Ideal Heating Commercial provide up to 97.7% full load efficiency and up to 108.2% part load efficiency, and

have a high 5:1 turndown, making them highly energy efficient.

Whilst they can be installed on their own, Imax Xtra 2 can also be installed in a cascade of up to four boilers for an output up to 1120kW. At Hull Maritime Museum two Imax Xtra 2 240kW boilers have been installed in cascade, which makes for an even more energy efficient solution as they have a higher modulation ratio than a single larger boiler, so there is less need for each individual boiler to cycle on and off to meet changing demands for heating over a day.

CASE STUDY FACTS: LOCATION: HULL | BUILDING TYPE: GRADE 2* LISTED MUSEUM
EQUIPMENT: TWO IMAX XTRA 2 240KW CONDENSING BOILERS IN CASCADE ON A PREFABRICATED HEADER KIT

“Another factor that sealed the deal: Imax Xtra 2 boilers are proudly manufactured in Hull. What could be more fitting for a museum in Hull?!”

Nick Brown Managing Director, HF Brown & Sons Ltd.

FEATURE RICH, AND MORE...

Imax Xtra 2 boilers can operate at up to 30°C ΔT, and five of the six models - including the 240kW - operate at 26mg/kWh on natural gas. As with all Ideal Heating Commercial boilers, they are built to last and feature a robust cast aluminium silicon alloy heat exchanger. Imax Xtra 2 boilers are also highly compact with a small footprint to fit through standard doorways. When fitted in a cascade, as is the case at Hull Maritime Museum, further space saving can be achieved.

GOOD NEIGHBOURS

All these factors played an important role in the specification of the new boilers, but a further factor sealed the deal for the client: Imax Xtra 2 boilers are proudly manufactured in Hull. What could be more fitting for a museum in Hull?!



Ideal Heating Commercial is not only one of the UK’s leading commercial heating manufacturers of high efficiency commercial heating solutions, but is one of the few true British manufacturers left in the heating industry. Operating from our Hull manufacturing plant and offices since 1906, our high efficiency commercial heating solutions include condensing boilers, air source heat pumps & heat interface units, all with market leading availability.

RELIABLE PRODUCT FROM A RELIABLE MANUFACTURER



NICK BROWN MANAGING DIRECTOR, HF BROWN & SON LTD WITH SEAN FIELDS BUSINESS DEVELOPMENT MANAGER, IDEAL HEATING - COMMERCIAL PRODUCTS.

The heating contractor on this project, family-owned HF Brown & Son Ltd. that has been in business since 1947, is a long-standing Ideal Heating Commercial customer, who has used the company’s full range of boilers extensively. Managing Director Nick Brown is satisfied with this latest installation: *“The whole install appears to be working well and the boilers were an ease to install. The service and support from Ideal Heating was very good as usual. Because it was a listed building extra care had to be given to the flues, but the design team (TGA Consultants and Purcell Architects) worked with HFB to come up with solutions.”*

Hull Maritime Museum is expected to reopen in late 2026.



IMAX XTRA 2



Free commissioning



Made in the UK



Floor standing



BIM



Cascade for higher output

Terms and conditions apply:
*2 year warranty extended to 5 years if commissioned by Ideal Heating.



IDEAL SUPPORT AND CONTACTS

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E: commercial@idealheating.com

Calls cost no more than calls to geographic numbers (01 or 02) and will be included in any inclusive minutes you have with your telephone service provider.

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T: 01482 498376

E: commercial.services@idealheating.com

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T: 01482 498665

