

Madani High School, Leicester

Products

- Wessex ModuMax boilers
- Powerstock calorifier

Sector

- Education
- Community centre

Building

- High school and community centre
- New build

Application

- Space heating 1410kW
- Modular boilers
- Hot water 1062 litres/hour
- Indirect DHW



The first purpose-built Islamic faith school in the UK



Biomass boiler

Wessex ModuMax boilers from Hamworthy Heating are providing the perfect back up for a Biomass boiler at Madani High School in Leicester. This multi-award winning project caters for around 600 pupils and has been open since September 2007. The decision to use biomass and gas boilers reflects the current trend for using renewable and traditional products in tandem.

Our Solution

The two Wessex ModuMax boilers were designed and installed by Robert Prettie and Co Limited, to the performance specification set out by Pick Everard's building services engineer, Philip Johnson, to integrate with the biomass boiler selected for the project.

"We can always depend on Wessex ModuMax boilers because they integrate really well with the chosen biomass boilers. They also fit into a small space and deliver great efficiency," he said.

"Space was tight in the plant room but Wessex ModuMax boilers can cope with the base load for the school with ease: The choice was easy."

The boilers supply all the heating and hot water via a Hamworthy Powerstock Calorifier, and the entire system is controlled by a BMS system to ensure each room is kept at a constant temperature and monitored on site by the facilities team. The school has achieved a 'Very Good' BREEAM rating.

Wessex ModuMax boilers are compact floor standing boilers which offer a choice of high efficiency condensing or non-condensing models. Madani High School has installed the high efficiency Wessex ModuMax 220/660 non-condensing boiler and the 250/750 condensing models. Each has three modules and a combined output of 1410kW.

Fifteen condensing models are available with outputs from 100kW – 750kW. Nine non-condensing models offer outputs from 110kW – 660kW. Completing the Wessex ModuMax package is a range of optional manifold kits that simplify design, are factory tested and assembled for ease of installation.



Wessex ModuMax boilers available in high efficiency condensing and non condensing models