



Avourwen Drogheda, Co. Louth LG Therma V Monobloc

120 residential units, comprising of a variety of apartments, detached and semi-detached houses, townhouses, and duplex homes, all fitted with single fan LG Therma V Monobloc's.



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"I have used LG on various sites before. I am so confident in the product I have now retrofitted it into my own house"

Shane Harding,
Mechanical Contractor

Ireland is expected to install over 400,000 heat pumps in existing and new buildings over the next 10 years. The stepping stone towards reaching carbon net zero by 2050. Heat pumps, a source of renewable heating are already a well-established technology that can immediately and substantially reduce emissions from our heating and hot water consumption.

The Developers building the residential units needed a brand name heat pump that could match the 7-year warranty of the boilers they had experience in fitting previously. This was also the developers first time using heat pump which ensured some nerves. An A2 energy rating was required so extensive research was conducted to find the right heat pump and supplier that could gain them the full package of services for compliance.

Unitherm Heating Systems have been supplying LG heat pumps for over 5 years in the Irish market. Particularly suited to residential units with no requirement for gassing the heat pumps, the single fan monobloc was the correct heat pump for this project.

The Therma V Monobloc is a fully packaged piece of equipment, where the indoor and outdoor unit are combined as one module. Therefore, there is no need for refrigerant piping work since Monobloc unit located outside is connected by only water piping.

With the area being so close to the sea the Blackfin technology integrated in the Monoblocs was a big plus for the developer. Its trademark black coating is composed of an enhanced epoxy resin to protect vital components robust protection from various corrosive external elements such as airborne salt and pollution.

The Mechanical contractor had extensive experience with the LG product having received training in LG HQ and Unitherm. The contractor had also used Unitherm before with another developer where Unitherm did the complete design and SAP calculations. Unitherm provide a full set of mechanical and electrical drawings provided and commissioning certs generated for each house.

