



Stoke St Gregory



Somerset development 'stokes up' with Daikin renewables systems

Development of 34 homes in a thriving Somerset village shows a strong commitment to renewables, with each of the new properties sporting a Daikin Altherma heat pump to ensure a warm welcome and plentiful hot water.

Collectively the homes form Broomfield Park – a tasteful addition to the village of Stoke St Gregory, about seven miles east of Taunton. The village is on the Somerset Levels with Curry Moor to the north and West Sedgemoor to the south.

Broomfield Park on Willey Road is the brainchild of Otter Construct, sister company of Otter Southwest – plumbing, heating and renewables specialist and Daikin D1 business partner. The project builds on the success of earlier Daikin-heated Otter developments at Culmstock (29 homes) and nearby Hemyock (22 homes), across the Blackdown Hills, in Devon.

Otter director Louis Forgham says the Stoke St Gregory development consists of three-, four- and five-bedroom houses for the open market with two- and three-bedroom properties for the affordable sector.

Floor areas range from 70m² to 190m², with the largest designs including two en-suite bathrooms and a family bathroom.

Depending on the property size, the houses have Daikin Altherma low temperature Monobloc heat pumps of 5, 7 or 11 class – all with R410A.

The Daikin Altherma Monobloc heat pump is ideal for homes where indoor space is at a premium – and with a reduced-height 870mm casing and volume below 0.6m³ it fits the bill for permitted development rights. It operates in conditions down to -25°C and will produce a leaving water temperature of 60°C down to -7°C ambient.

Featuring an enclosed refrigerant circuit and all the key hydraulics, the Daikin Altherma Monobloc is simple to connect to the indoor heating and hot water systems.

Year of installation

› 2021

Project requirements

- ☒ LT Split
- ☒ LT Mono
- ☐ HT Split
- ☐ Hybrid
- ☐ Combustion
- ☐ Smart Controls
- ☐ Solar Thermal
- ☐ UFH
- ☐ Heat Pump Convactor

Installed systems

› Daikin Altherma Systems



Louis Forgham says: "Throughout the Broomfield Park development we used underfloor heating downstairs and compact radiators upstairs. The radiators are on a separate control zone – as are the heated towel rails in the bathrooms and en-suites, so that residents can use them all year, if they wish."

"The properties also have Daikin hot water cylinders – 200 litre in the one-bathroom properties, and 200 or 300-litre in the larger homes."



Stoke St Gregory is a lively village with community pub in easy walking distance and a well-used sports ground that is over the road from Broomfield Park.

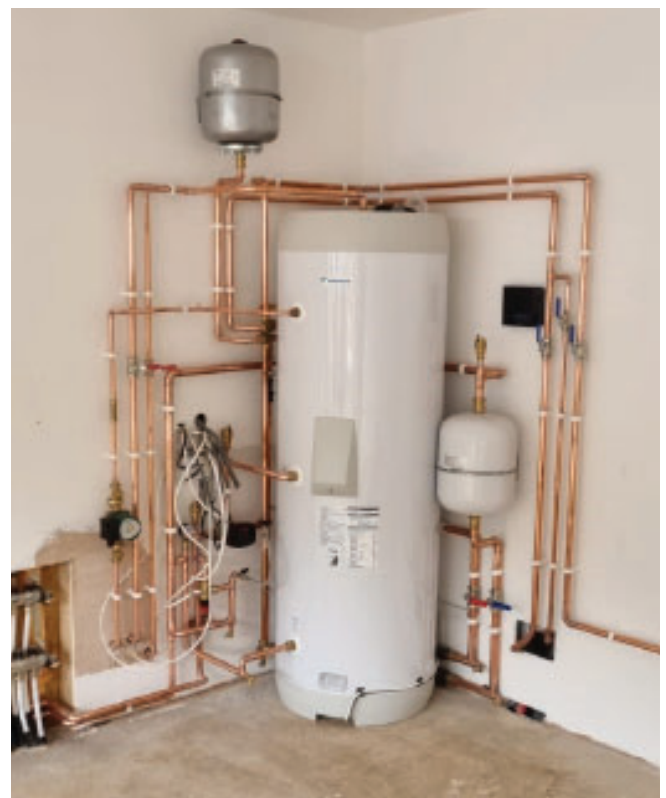
For the ground's new pavilion, Otter installed a 16-class Daikin Altherma 3 Low Temperature H-Split with R32 Bluevolution technology. The high capacity outdoor unit is capable of producing leaving water temperatures up to 60°C, and operates in ambient temperatures down to -28°C.

The Daikin hydrobox indoors serves a 14-zone underfloor heating system and two 300-litre hot water cylinders. These supply eight showers – in the home, away and referees' room – as well as disabled facilities and a kitchen.

Louis Forgham says: "This low temperature system ensures a plentiful supply of self-sanitised low cost hot water – with minimal environmental impact."

Kit list

Code	Description	No of units
	Homes	
EDLQ-CV3	Daikin Altherma LT Monobloc	34
SB.EKH.WSU-/EKEXP	Daikin unvented cylinder	34
	Sports pavilion	
EPGA16DV7	Daikin Altherma 3 H-Split outdoor unit	1
EABH167D6V	Daikin Altherma 3 H-Split indoor unit	1



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