Leon Restaurant, Central London, UK

Daikin VRV introduces ‘neat heat’ to London’s Westend

Daikin’s new integrated air conditioning system is set to revolutionise the aesthetics of many commercial buildings in high streets throughout the UK.

M&E contractor, Synecore, installed its first ‘invisible’ HVAC system, the Daikin VRV IV i-Series at Leon Restaurant, central London, to overcome tight space restrictions and achieve maximum climate control efficiency.

Project requirements

Air conditioning systems most commonly require an outside space - either a back alley or roof space - to accommodate the bulky condenser unit, but Daikin have created a unique system that is entirely installed indoors with only grilles visible from the outside, which can be discretely disguised within the existing architecture, or signage.

One of the first application of this all-new patented system was by Synecore for its long standing client and healthy fast food restaurant chain, Leon.

Synecore has been the contractor of choice for HVAC design and installation for Leon sites over several years, with the majority of the projects taking place across London, where outside space is at a premium.
Through using the all-new Daikin VRV IV i-Series, the new Leon site in Fenchurch Street could open sooner, thanks to the system’s unobtrusive design and low operating sound, making planning permission simpler.

Not only is the new Daikin integrated system quieter and more discreet, it is also quicker and more cost effective to install, as the unit is split into two elements – a heat exchanger and compressor.

The heat exchanger is integrated within the ceiling, with an outside vent. It’s V-shaped heat exchanger and high performance fan combination offers higher air flow and static pressure, thus resulting in higher efficiencies compared to a standard outdoor unit installed indoors. The compact compressor element can be installed indoors, within an office, storage room, kitchen or technical area.

Being installed inside and within two parts means the amount of pipework is minimised, so there is no requirement for a costly crane for rooftop installation or sound insulation.

“It was an honour to be the first M&E contractor to install the all-new Daikin VRV IV i-Series. There is no doubt, that I would recommend this system to clients looking for a space saving solution for their properties air conditioning and heating in the future.”

Synecore’s HVAC Manager, Gary Piper

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www.daikineurope.com/citysecret