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CALOREX AIR SOURCE HEAT PUMPS TARGET DOMESTIC HEATING MARKET

WITH more than a quarter of a million units in operation all over the world, market leaders Calorex HeatPumps, of Essex, has unveiled its new range of air source heat pumps for the UK domestic market.

Operating at air temperatures as low as -15°C, the much-anticipated air source range looks set to follow the success of Calorex's ground source models.

Designed specifically to operate in the UK's difficult winter climate and Independently tested to EN 14511 by BSRIA, the new range of domestic air to water heat pumps provide the ideal monovalent heating solution for domestic heating systems and hot water production.

Unique to the market, the units have the ability to deliver up to 65°C of domestic hot water without any direct electrical resistance backup and operate from a single phase electrical supply with very low starting currents.

Dual temperature operation ensures maximum energy efficiency and allows integration with both under floor heating and traditional radiator systems with variable temperatures from 30°C to 55°C when space heating.

Available in 4.5kW, 9kW and 12kW variants, performance features dictate that in normal UK humidity and winter conditions the units will not require any defrost cycle until ambient air temperature falls to 4°C. When a defrost cycle is needed the unit will completely defrost in 4 minutes and this feature alone ensures industry best seasonal performance COP's and lower operating costs for the end user.

I compressor technology is standard across the range with twin compressors in the larger 9kW and 12kW variants. All models feature copper condensers, well known for their heat transfer abilities.

More....

Operational life of the units is increased and maintenance reduced with the use of epoxy evaporator coils and the use R134a refrigerant gas which further improves compressor reliability due to low operating pressures.

These super quiet heat pumps have all components housed within an anti-corrosion Plastisol cabinet and are protected by three layers of insulation controlling noise transfer.

With more domestic heat pump installations in the UK than any other manufacturer Calorex sales director Tony Barnes commented: "For an air source heat pump to deliver 100% of space heating and domestic hot water requirements efficiently in the UK's humid winter climate, defrost cycling needs to be managed and controlled in order to ensure system efficiency".

Tony added "These new Calorex air source heat pumps have been designed specifically to operate in these conditions and will deliver total thermal comfort to home owners, reduce carbon emissions and lower fuel bills for end users.

"A number of local authorities and housing associations have already specified these air source heat pumps as they look to reduce CO₂ emissions and eradicate fuel poverty in line with government targets".

For more information on the range of domestic air source heat pumps available from the UK's leading manufacturer, call 01621 856611, visit the Calorex website at www.calorex.com or email sales@calorex.com.

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NOTE TO NEWSDESK: Tony Barnes, sales director, is available for interview if you wish to discuss this exciting sector of energy-efficient domestic heating. Pls contact Tony Tel 07917 811411

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