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| Tweet | **Soft play facility helps visitors keep their cool all year round with air conditioning from @Daikin** |
| Version | Final |
| Owner | Márcia Tavares |

Air conditioning solution tames a ‘steamy’ Jungle

February 21, 2019

Jungles conjure images of hot, steamy places ¬– but there’s one in Warrington that maintains a comfortable 21°C all year with an air conditioning solution from Daikin UK.

This Jungle is a popular children’s indoor soft play facility that owners Paul and Sarah Lott recently relocated to larger premises. Paul Lott says after 11 years the business had outgrown its previous 5,700 sq.ft industrial location. It was also often too hot in summer and too cold in winter.

The new premises in a retail park near the centre of Warrington gives The Jungle 11,000 sq.ft over two levels. Brightly coloured playing areas are now much larger and there’s more opportunity for parents’ and children’s refreshment in the spacious new café facilities. As a result, the owners soon noted good turnover growth.

Tailored solution combining functionality and good looks

A key contributor to the enhanced experience at The Jungle is the Daikin air conditioning system, installed by local Daikin D1 Partner, Profreeze.

The solution was chosen because Daikin could provide a product specifically selected and designed for the application – with design input and advice for Profreeze where necessary.

The installation consists of a Dakin D-AHU Modular R air handling unit, with a pair of Daikin ERQ-AW1 heat pump condensers to provide the necessary cooling and heating capacity to DX coils inside the AHU.

The size 7 AHU delivers a supply and extract air volume of 7,776m3/h. Its rotary wheel heat recovery device exchanges heat between exhaust and fresh streams – tempering the incoming fresh air to ensure the most efficient use of the two air-cooled condensing units.

Each 10hp condensing unit has a nominal cooling capacity of 28kW and heating capacity of 31.5kW.

Profreeze director Lee Coates says air is ducted to outlet grilles on both levels of the building, with a return flow via extraction points on the ground floor. He says: “The ductwork is exposed, so it was designed to look good as well as delivering air to all parts of the building.

“Because there can be large numbers of children running about, a conditioned ventilation system providing plenty of fresh air was more appropriate for this application than a conventional air conditioning system with a smaller ventilation unit.”

The AHU and condensing units are in a service area at the rear of the building and enclosed by a wooden fence for neatness and security.

The control system enables separate programmed operations during the week and at weekends. During operational periods, the air handling unit controller ensures the airflow, heat recovery and temperature settings are maintained.

Daikin ERQ-type condensing units are designed for pairing with Daikin modular AHUs. The R410a based, inverter-controlled heat pumps offer high efficiency and fast response to changing loads.

There are 10 standard sizes of Daikin Modular AHUs, capable of supplying air volumes of 500m3/h to 25,000m3/h.

Further development of the range has seen the introduction of Modular P, incorporating a plate heat exchanger as the heat recovery device and the new Modular L, the perfect solution for decentralised ventilation.

Ends

EDITOR NOTES

About Daikin Europe N.V.

Daikin Europe N.V. is a major European producer of air conditioners, heat pumps and refrigeration equipment, with approximately 5,500 employees throughout Europe and 10 major manufacturing facilities based in Belgium, the Czech Republic, Germany, Italy, Turkey and the UK.

Globally, Daikin is renowned for its pioneering approach to product development and the unrivalled quality and versatility of its integrated solutions. With more than 90 years’ experience in the design and manufacture of heating and cooling technologies, Daikin is a market leader in heat pump technology. Daikin VRV and Daikin Altherma are the most sold heat pump systems in Europe, with over 500,000 systems delivered to date.

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FURTHER INFORMATION

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