

eQ Scores in Sweden's New National Arena



Fläkt Woods is supplying the air handling requirements for the new Swedbank football arena in Stockholm, Sweden, which will provide all year round football facilities, with room for 50,000 spectators.

■ FACTS

Customer:

Swedbank Arena in Sweden.

Need:

Energy efficient ventilation solution.

Solution:

25 eQ and EU units and 40 supply air fans, which will ensure excellent air quality. Within the arena air can also be heated by a number of circulation units.



“To be selected on this is a superb endorsement of our new eQ units”

Featuring a retractable roof with heating and air handling, the new stadium is planned to be ready for the 2011-2012 season, and is set to be one of the largest and most modern arenas for football, concerts, and other events in the Nordic region.

Fläkt Woods has received the prestigious order to supply air handling units. The Company will deliver 25 eQ and EU units and 40 supply air fans, which will ensure excellent air quality. Within the arena air can also be heated by a number of circulation units.

“To be selected on this, Sweden's new national arena is a superb endorsement of our new eQ units” says Anne-Marie von Salis, Fläkt Woods District Manager in Stockholm. She also sees good opportunities to supply ventilation to the upcoming expansion of the new buildings around the arena.

The stadium will be characterised by its flexibility. It will be possible to change the surface of the pitch between for example grass, ice and gravel. It will also become an ideal venue for major concerts, with a capacity for 65,000. One unique feature is located in the roof surface, where a system of mounting points will provide short lead times and the opportunity to rig the most varied stage designs.

At full capacity the stadium will put big demands on communications around the area and therefore, the Solna centrum metro station and shopping mall will be built with a new entrance. In the future



there will also be a new tramway, and 4,000 parking spaces are under construction. The arena's façade is composed of triangular elements with three different degrees of surface treatment, so that the light will reflect differently depending on the time of day, weather and season.

Other possible events in the arena are speedway, athletics, tennis, bandy, ice hockey and winter competitions. Despite plans for concerts, festivals and fairs, football will be the primary sport. The football stadium meets UEFA's requirements to host the finals of the Champions League and European Championship finals, and thanks to the temperate climate, matches will be played year round.

A 120,000 m² area around the stadium is earmarked for new hotels, restaurants, retail and a residential district. Environmental awareness around the project has been a high priority. The area will also use waste heat from the stadium for residential heating and sole use of renewable energy.

eQ air handling units

The new eQ AHU range from Fläkt Woods is the result of an intensive R&D programme and over a 100 years of experience. eQ is available in 21 sizes with air flows ranging from 0.1–12,5 m³/s. The range covers every possible need, from single supply air units to integrated solutions with heat recovery and advanced controls.

EU air handling units

The EU range has a high degree of flexibility. The sturdy frame members and corner pieces form a very stable framework which is well suited to the full range of sizes.

For further information:
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