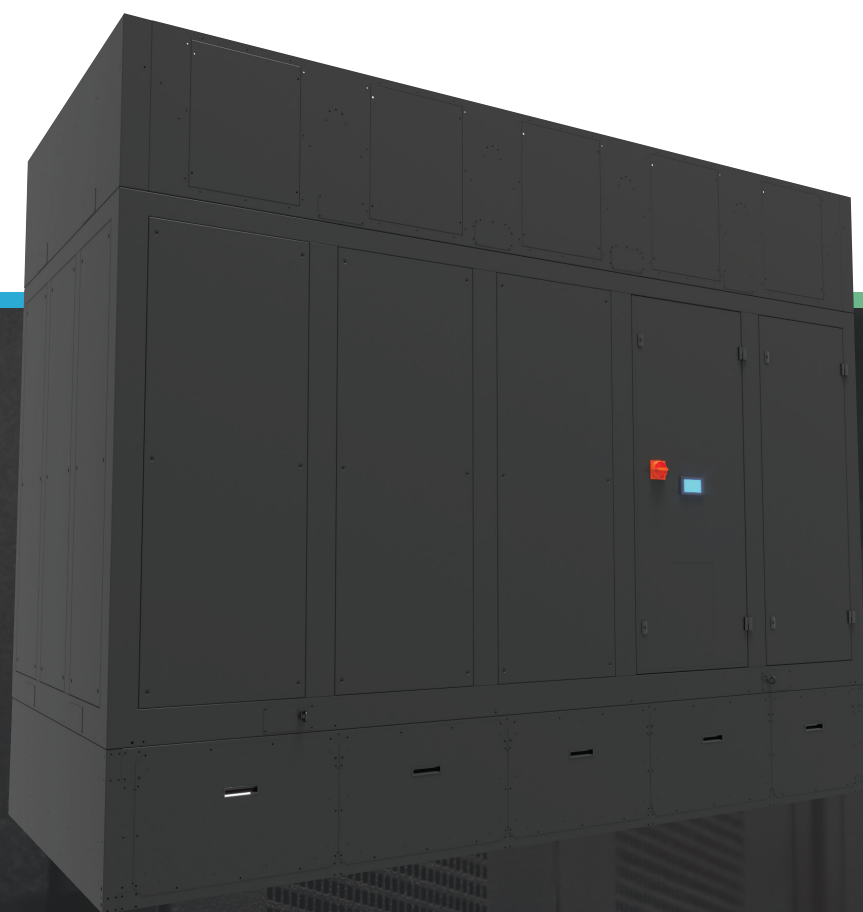# SmartCool™ XL

Precision Air Conditioning for
CoLo / Hyperscale

SmartCool XL

+ 500kW
+ Chilled Water
+ EC Fans
+ Intelligent Controls

In the European co-location and hyperscale data centre market, uptime and energy efficiency are absolutely critical to success. Marginal gains in this arena can be the difference.

Airedale have an unrivalled pedigree in providing flexible, high efficiency cooling solutions. Our systems approach and ability to combine hardware and software ensures that your data centre works smarter, not harder, to give you more c ooling for less power and ensure a stable environment and availability 24/7.

MADE IN BRITAIN

Airedale
APPLIED THERMAL INNOVATION

Flexibility & High Efficiency

The multi award-winning SmartCool™ precision cooling system has been developed to meet the increasing demand for ultra-efficient, large capacity precision cooling systems that deliver extremely quiet and accurate climate control for critical data centre applications.

Applied cutting edge technology enables SmartCool™ to quietly and precisely control room temperature, humidity and air quality to ensure efficient, reliable, 24/7 operation of sensitive systems in data centres and other critical applications.

SmartCool™ CW delivers up to 30% more cooling kW/m² when compared with competitor units, keeping footprint to a minimum to free up premium IT space.

Matching a SmartCool free-cooling model with an Airedale International dedicated free-cooling chiller can help avoid full mechanical cooling for up to 98% of the year, helping data centre facilities deliver best-in-class PUEs.

✖helix

Helix is an intelligent integrated control solution, designed for critical applications where exact control of temperature and humidity is vital. Integral intelligent controls are ideal for resilient low, medium and high density data centre cooling to maximise uptime and optimise efficiency.

The pre-programmed controller contains a range of control parameters that can be individually modified, enabling a unit to be specifically configured to suit customer requirements:

- Dynamic demand adjustment for precision control of temperature, humidity and airside (air volume, air pressure).
- Intelligent fieldbus components such as power meters and leak detectors
- Touch screen Vu™ display
- Optional optimised head pressure control, utilising dynamic set point adjustment to select optimised operating condition
- Networking of units for rotation
- Active alarm and historical alarm summary at user display for diagnostic purposes• Supervisory capability for ACIS™ or third party BMS

Filter section with G4 filtration

Large surface area chilled water coil

Integrated intelligent controls

Filter section with G4 filtration

EC fan section

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