

## Downdraught Air Conditioning

### Precisely controlled climate for reliable processes

Server room applications typically require precise climate control which must be available 24/7. Our precision air conditioning systems have been specifically designed to meet these exacting requirements and operate to very close tolerances of temperature, humidity and air filtration. Based on a modular concept, the range adapts easily to suit any room configuration.

### Reduction of power consumption

Many of our climate-control systems are designed such that you enjoy their maximum efficiency in part-load operation. A combination of several small units, plus one reserve unit ( $n + 1$ ) offers you the possibility of operating all facilities in energy optimal part-load mode, whilst still holding reserve capacity in case of maintenance down times. The energy-saving potential of this  $n + 1$  (or  $n + x$ ) should not be overlooked: appreciable savings in power consumption are often possible.

### Great performance but small footprint

Our equipment is designed to have a small footprint, enabling productive use of valuable floorspace. The modular grid dimensions of our systems are also oriented to the typical dimensions of racks, and they fit perfectly into your computer centre.



### An extensive product range for virtually any application

No project is just like another, there is no one simple solution. For this reason, we offer a spectrum of solutions that allows selections such as the following:

- Ranging from 10kw to 100kw units of cooling capacity
- Indoor or weather-proof outdoor versions
- Cooling based on refrigerants or on cold water
- Choice of refrigerant (R407c, R134a, or R410A)
- Indoor installation in a server room, or in an adjacent equipment room
- Intrinsic equipment redundancy
- Upward or downward airflow routing
- Air outlet on the front or rear
- Airflow routing through raised floors
- Equipment optimised for part load, with compressors in twin configurations, or free cooling for energy-saving operations
- Various filter classes for supply air, as options
- Various heating systems, as options
- Parallel configurations of refrigerant and cold-water systems

