



### DATATECH BTD +

Precision air conditioners with inverter driven brushless DC compressor **7÷100** kW





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# REDUNDANCY

The higher efficiency of the refrigerant circuit at part load conditions grants the maximum benefit in (n+1) redundancy applications: instead of keeping one or more units in standby as a backup, all of them will work together each one at lower capacity, obtaining in this way a lower initial investment and a lower operating cost.



# **BRUSHLESS DC**



The brushless DC motor is inherently more efficient than an AC motor and is designed to be speed modulated.

ACCURACY +/- 0,5°C

THE COMPRESSOR CAN MODULATE BETWEEN **30%** AND **120%** OF ITS NOMINAL SPEED





At reduced load, compressor and fan operate at lower speed, ensuring lower sound emission120 rps. Extra capacity is available for temporary peaks.

#### PEAK LOAD MANAGEMENT

Inverter units are designed at 90 rps when maximum is 120 rps. Extra capacity is available for temporary peaks.



#### The control platform for IT cooling applications, based on webserver.



## Feel good **inside**



