



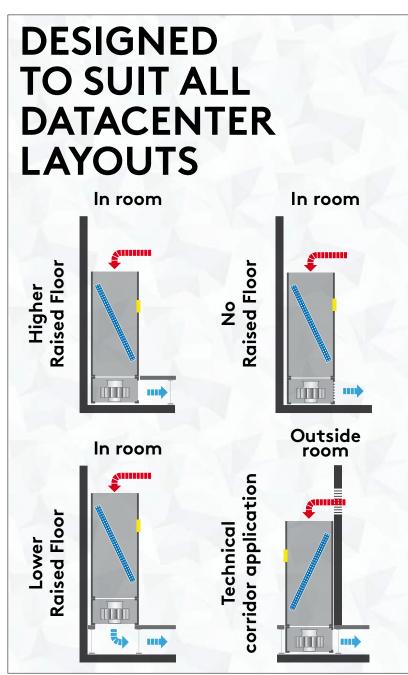
DATATECH BTD PFW

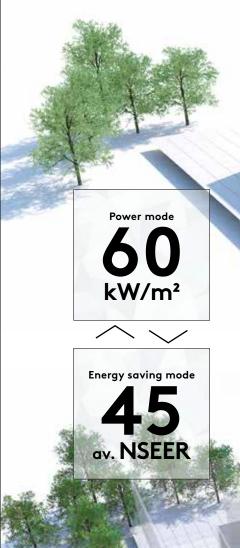
Computer Room Air Conditioners with single or dual extended chilled water coil and separated fan section **5÷220** kW











CONDENSING COIL LAYOUTS



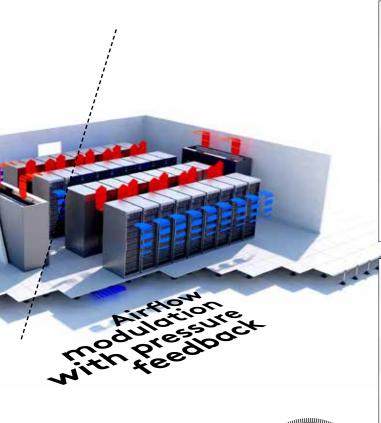
Fullcoil

The chilled water coil that extends across the whole width of the cabinet allows to maximize the heat exchange, and to contain the pressure losses aeraulic.

Dualcoil

The version with dual chilled water coil and double valve can provide the high levels of redundancy required by data centers that have to operate in accordance with the higher Tier levels (according to Uptime Institute®).



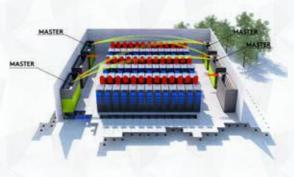


CONTROL OF AIR-FLOW OR FLOOR PRESSURE

Different solutions for different needs. Both ensuring efficiency improvements at part load, system optimization and reaction to the unpredictable.

DATALINK

The local network allows to manage redundancy, to balance the operation, to avoid conflicts and to monitor the operation of all units from a remote display.



CWDS

(Chilled Water Dynamic set)
This solution allows to adapt the chilled water temperature supplied to Datatech BTD PFW air conditioners to the actual thermal and hygrometric room load.



INSTALLATION & MAINTENANCE

A series of measures/solutions such as base module shipped preinstalled in the unit, damper embended on small plenum with fully frontal accessibility, separate compressor sectionsimplify operations and reduce installation time.

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

Simple & Immediate Human Machine Interface

More than 20 years Experience within Data Cooling Requirements



Unique Software Features

A Control Continuously Evolving following the Latest Industry Requirements



AUTOMATIC AIR FLOW MODULATION BASED ON:



REMOTE TEMPERATURE

push the freash air where is needed & control it with smooth and continuous adjustment



REMOTE DELTA PRESSURE

avoid any risk of hot spot optimizing the fan energy consumption



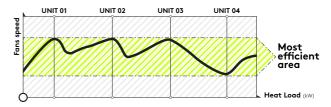
DELTA TEMPERATURE

treat, move and cool only the server's needed amount of air without any waste

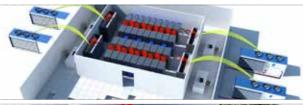




CONTINUOUS DYNAMIC OPTIMIZATION



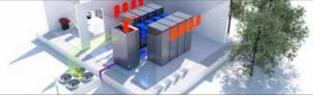
WORK ALWAYS WITH THE
RIGHT NUMBER OF NEEDED UNITS
IN THEIR
MOST EFFICIENCY WORKING POINT



CHILLED WATER SYSTEM

ONE TO ONE MULTISYSTEM

- direct high level communication
- scalable solution (TIER III / TIER IV design)
- variable water flow



INDIRECT FC SYSTEM

FLOATING WATER SET POINT

minimize the overall system consumtion



DIRECT EXPANSION SYSTEM

internal unit drive countinuously condenser based on application requirements

- homogeneous control
- easier site operations
- adapt to site noise requirements

Feel good **inside**



