

R@ckcoolair:
“In Row” Close Control Unit for high density systems



All the models are equipped with EC fans

For direct expansion version we will be able to propose **Motor-evaporating unit (RND)** – compressors in the indoor unit with remote condenser and **Motor-condensing unit (RNV)** with the compressors outside in condensing units. Both of these use variable speed **BLDC compressors** which guarantee precise temperature control (PID type regulation), reduced power consumption at partial load and also avoidance of electrical peaks and the compressor’s mechanical stress in ON/OFF cycles.

All the models are equipped with **EC fans** allowing an efficient modulation of the air quantity. The integrated controller modulates the airflow in combination with either the chilled water valve (in RHC) or the compressor speed (in RND/RNV) and thus significantly reduces the electrical consumption of the airflow.

Olivier LENGLET

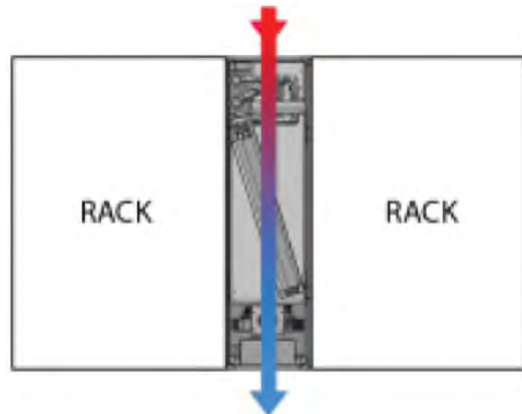
At the end of March 2013* we are going to complete our Close Control Units proposal with a new range of units. With the **R@ckcoolair** we will be able to offer an ideal solution for cooling Server-racks in medium and small sized Data centres. It will also be the best suitable solution for extending existing sites or in Server-rooms without a raised floor.

Positioned next to the heat source we can guarantee an immediate and efficient reaction to varying heat dissipations from the Servers.

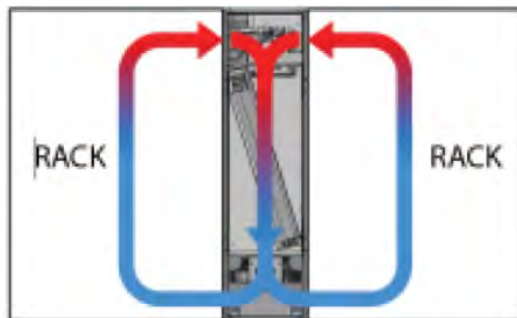
This range from 3 to 51 kW,
 will be available in three different versions

Chilled water (RHC), linked with our range of Ecolean or Neosys chillers, with high performance coil and modulating water valve guarantees highest specific cooling capacity (W/m²) due to the large heat exchanger surface, precise temperature control (PID type regulation) and also the possibility to increase return air temperature, thus to rise – whilst keeping the cooling capacity stable – the medium chilled water temperature. This results in a maximised EER of the chiller and extends the Free-cooling operation.

Airflow configuration:



In Row (horizontal airflow):
 ideal for typical hot aisle / cold aisle applications



In Rack (re-circulating left-right):
 For a total closed loop hotspot cooling

* It will be introduced in our next General Catalogue 2013/2014 and in our selection software and e-Lencal for the end of March.