



4.4 WALL MOUNT A/C UNITS

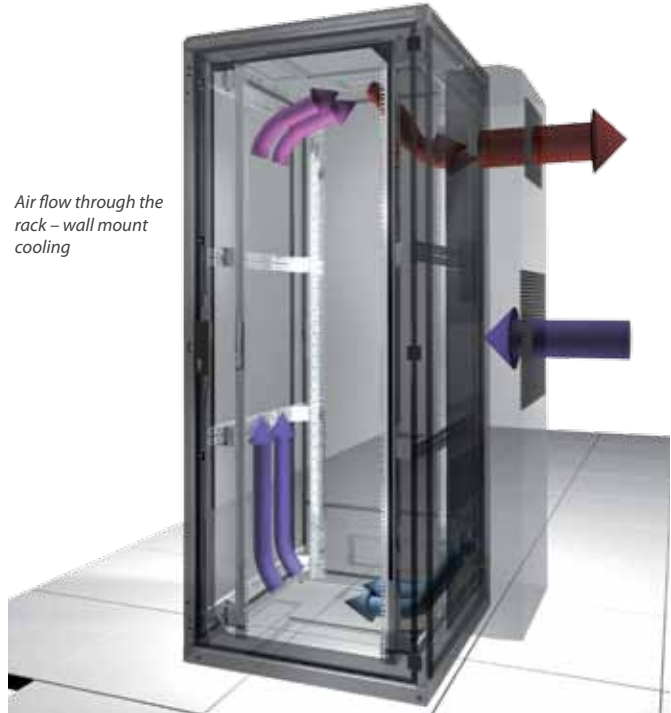
The wall-mount A/C units are installed instead of one of the rack side panels. Since it is mounted instead of the rack side panel, there is no limitation by the overhead clearance. These cooling units are compatible with the free standing racks, series RHF, RDF, RSF, ROF and RMF.

The Wall Mount units are ideally suited to spaces where insufficient clearance exists to install a roof mount solution. CONTEG wall mount solutions are available with capacities ranging from 1.1 to 3.0 kW per cooling unit. Up to two CONTEG Wall Mount cooling units can be fitted to a rack with control of the units via an optional control box for redundancy with duty cycle balancing.

When installing these units into closed areas always make sure that the room has sufficient clearances and adequate ventilation so that environmental operating conditions (up to 55°C) are not exceeded.

DESCRIPTION:

- Cooling output of cooling units 1.1 – 3 kW
- Compact design – coolant piping distribution systems are not necessary
- Condensate evaporation system (available in output units of 1.4 kW and more) eliminates the need of condensate drainage
- The heat exchanger surface was treated specially to provide the highest possible resistance against clogging, therefore the unit is able to operate with full output even when the ambient temperature reaches 55 °C
- The cooling system was designed for operation without filters – reducing maintenance costs
- The cooling unit has simple control as well as easy setting of the required temperature in the rack
- The electronic control panel ensures accurate control of the cooling unit in order to achieve the required climate inside the rack
- This cooling type can be installed easily even into already installed ROF racks (retrofit installation possible) – the side panel will be replaced by air-conditioning at installation; blanking panels will be installed, too. It is necessary to fulfil the condition of IP rating 54.



Air flow through the rack – wall mount cooling



Wall Mount air-conditioning units retain the same cooling technology (Direct Expansion) as the Top Mount solutions. The revolutionary design means that filters are not required leading to reduced maintenance. All Wall Mount air-conditioning units are equipped with electronic control boards as standard to ensure that the required temperature is accurately maintained. Wall Mount cooling units are easily integrated with RAMOS to provide remote notification should the temperature inside the rack exceed user defined thresholds.

WALL MOUNT A/C UNITS Compatible Rack Part No.	Required Cooling and Part Numbers (Includes Replacement Side Panel)				
	1.1 kW	1.4 kW	2 kW	2.5 kW	3 kW
ROF/RMF-42-xx/60	AC-WM-11-42/60	AC-WM-14-42/60	AC-WM-20-42/60		
RDF/RSF/ROF/RMF-42-xx/80	AC-WM-11-42/80	AC-WM-14-42/80	AC-WM-20-42/80	AC-WM-25-42/80	AC-WM-30-42/80
RHF/RDF/RSF/ROF/RMF-42-xx/100				AC-WM-25-42/100	AC-WM-30-42/100



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