Computer Room
Air Conditioner CRAC
The CRAC CW and CRAC DX air conditioning units from Rittal ensure optimum climatic conditions in data centres that are exposed to high thermal loads. By precisely regulating the temperature and humidity, these climate control units guarantee optimum ambient conditions for your valuable IT equipment. Waste heat is dissipated according to requirements. Optimised arrangement of the principal components in the climate control units ensures a high cooling output, even in confined spaces.

**CRAC DX**
Precision climate control unit for direct evaporation with external air-cooled condenser unit.

**CRAC CW**
Precision climate control unit for cold water operation.

### Functional principle:
The precision climate control unit draws warm waste air from the top of the data centre, cools it using either water or refrigerant in a closed heat exchanger, and blows the cooled air into the raised floor of the data centre with overpressure.

### Principal components

#### of the CRAC DX
- Enclosure made from stove-enamelled aluminium profile frame
- Base frame and panels of hot-galvanised sheet steel and plastic coating
- Built-in fans
- Scroll compressor
- Cooling circuit
- Master switch
- MP.COM microprocessor control

#### of the CRAC CW
- Enclosure made from stove-enamelled aluminium profile frame
- Base frame and panels of hot-galvanised sheet steel and plastic coating
- EC fans
- Proportional 3-way valve for cooling water with manual switch for emergency operation
- Switch panel in a separate compartment
- Master switch
- MP.COM microprocessor control

#### Principal accessories (optional)
- Vapour humidifier
- Reheater
- Additional cooling circuit
- Fine filter F5/F6/F7/F9
- Serial interface BACnet, Ethernet, SNMP, TCP/IP
- EC fans (for 3300.386, 3300.387, 3300.388); with all other units, the EC fans are included as standard

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