

## CoolRack with cooling capacity of 5.0 kW, 800 +150 mm x1200x2100



| SKU                   | CR-5.8-M-G-8-12-42       |
|-----------------------|--------------------------|
| Produkt Verfügbarkeit | delivery time on request |
| Belastbarkeit in kg   |                          |
| HE/U                  | 42                       |
| Breite/width          | 800+150                  |
| Tiefe/depth           | 1200                     |
| Höhe/height           | 2100                     |
| kW                    | 5.0                      |
| Segmentation          |                          |

Direct -cooled server cabinet 42U consisting of a surface cooling unit in the rack / cooling capacity of 5 kW and a chiller for outdoor installation.

## Description and technical data in the server cabinet:

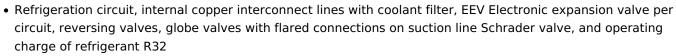
- Base frame, welded, with revolving round and Slotted
- Static load capacity up to 1548 kg
- Infinitely depth-adjustable 19" mounting angles with 42 U
- Max. 19" mounting depth 780 mm
- 1 x glazed door with three-point locking and rotating lever handle, lockable, circumferential seal, 3 x two-way hinges with 180 ° opening angle
- 1 x door made from solid steel with three-point locking and rotating lever handle, lockable, circumferential seal, 3 x two-way hinges with 180 ° opening angle
- 2 x side wall in inserting screws,
- Base with leveling feet
- Removable hood with ventilation slots
- Removable cable entry panel
- Removable trim, side
- Roof module with cable inlet from brush strip
- Base module with cable inlet from brush strip
- Modesty panels and vertical air flow barrier between 19" mounting angles and side wall
- Powder coating RAL 7035, light gray
- Cooling Technology with Inverter Technology
- Low Noise Version (CoolRack Silent) with inner lining of acoustic foam (Item No. CR -5.8-MG -8-12 -42- A)

## Description and technical data of the side cooling device:

- Self-supporting , housing made of galvanized sheet steel, lined with an abrasion-resistant, non-flammable sound and heat insulation. Extractable, regenerable air filter, filter class EU 3 (optional)
- The inner part is mounted with the supplied fixing brackets to the cabinet side wall.
- Low-noise, inlet radial fan.
- Statically and dynamically balanced impeller with forward curved blades.
- AC fan motor, 4 speeds, with capacitor, thermal protector and permanently lubricated bearings, vibrationdamped mounted.
- Direct evaporator (air cooler) with a large inflow of internally grooved copper tubes with aluminum fins and corrosion-proof, drip pan with drain connection.
- Internal copper interconnect lines with flared and nitrogen holding charge. Complete wiring with switch, microprocessor for control, monitoring and control, and terminal strip for connection to the outdoor unit.
- Setting the desired 4 operating speeds depending on the pressure loss of the connected channel.
- Temperature sensor in the return air and the evaporator (anti-icing). Condensate pump with a height of 600mm is integrated. LCD Infrared remote control with operation buttons, including batteries.
- Cover for rarely used functions.
- Remote control features : Modes: On / Off, ventilation, cooling, heating, dehumidifying: automatic switching of cooling / heating with neutral zone.
- Temperature: Adjust the rack temperature between 16°C and 30°C.
- Fan: 4 fan speeds
- Nominal cooling capacity 5 kW Control range ( min max) ( 1.1 to 5.6 ) kW
- Nominal heat output 5.4 kW Control range ( min max) ( 0.9 to 6.3 ) kW
- Nominal conditions Rack Air ( cool ) 27/19°C db / wb nominal conditions Rackluft (heating) 20°C db
- Air flow rate (high) 840 m<sup>3</sup>/h Air flow (medium ) 720 m<sup>3</sup>/h Air flow rate (low) 660 m<sup>3</sup>/h
- External static pressure Pa min 35, max 85Pa
- Power supply: 230V / 1 ~ / 50 Hz
- Electric Power consumption max. 1520 W
- Electric Current consumption max. 7A
- Sound pressure level inside, max. 34 dB (A) Sound pressure level inside, min. 28 dB (A)
- Refrigerant R 32
- Refrigerant Connection , Liquid Line 1/4" 6mm Refrigerant connection, suction pipe 1/2" 12mm
- Dimensions: height 280 mm x width 750 mm x depth 635 mm
- Weight 34 kg

## Description and technical data Outdoor unit:

- Self-supporting casing, weatherproof, on a stable base plate and screwed cladding panels made of galvanized, primed and coated steel sheet (RAL 9002, gray-white).
- The outdoor unit ( condensing unit ) is fitted with the devices attached to the bottom mounting tabs on a level surface or a wall bracket (accessory).
- Common, low-noise condenser axial fan, statically and dynamically balanced, including discharge grille.
- AC fan motor with capacitor, thermal protector and permanently lubricated bearings.
- Silenced, fully hermetic rotary compressor, mounted inside and outside shock absorbing suspension, oilfilled.
- Optimal temperature control with variable speed, operating in the electronically controlled compressor operating point.
- Curved condenser with a large inflow of copper tubes with aluminum fins, including intake grille.



- Complete internal wiring with terminal blocks for mains supply and internal components.
- Cooling capacity W 5000 (1100-5500)
- Heating capacity W 5400 (600-6300)
- Sound pressure level dB (A) 54
- Power supply 1 ~ 230V-50Hz

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- Power Cooling W 1520 COP / EER (energy efficiency rating ) 3.29 A
- Heating power W 1410 COP / EER (energy efficiency rating ) 3.83 A
- Fuse rating, slow 16 A (with the inner part )
- Dimensions: height 640 mm x width 871 mm x depth 290 mm
- Net weight kg 45
- Refrigerant piping length max. 30m
- Injection line isolated 6 mm
- Suction line isolated 12 mm
- (installation expenses at cost )