

CoolRack with cooling capacity of 5.0 kW, 800 +150 mm x1000x2100



SKU	CR-5.8-M-G-8-10-42
Produkt Verfügbarkeit	delivery time on request
Belastbarkeit in kg	
HE/U	42
Breite/width	800+150
Tiefe/depth	1000
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:

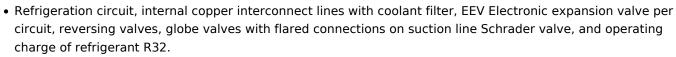
- Base frame welded, with revolving round and slotted holes
- Static load capacity up to 1548 kg
- Infinitely depth-adjustable 482,6 mm (19") mounting angles with 42 U
- Max. 482,6 mm (19") mounting depth 580 mm
- 1 x glazed door with three-point locking and rotating lever handle, lockable, circumferential seal, 3 x two-way hinges with 180° opening angle
- 1 x door made of 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 side trim
- Roof module with cable inlet from brush strip
- Base module with cable inlet from brush strip
- Modesty panels and vertical air flow barrier between 482,6 mm (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 -8-10 -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 m³/h Air flow (medium) 720 m³/h Air flow rate (low) 660 m³/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 R32
- 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 45 kg
- Refrigerant piping length max. 30 m
- Injection line isolated 6 mm
- Suction line isolated 12 mm
- (installation expenses at cost)