

## CoolRack with cooling capacity of 14.0 kW, 800 +150 mmx1200x2100



SKU	CR-14-M-G-8-12-42
Produkt Verfügbarkeit	
Belastbarkeit in kg	
HE/U	42
Breite/width	800+150
Tiefe/depth	1200
Höhe/height	2100
kW	14,00
Segmentation	

Direct -cooled server cabinet 42U consisting of a surface cooling unit in the rack / cooling capacity of 14.0 kW and a chiller for outdoor installation.

## Description and technical data in the server cabinet:

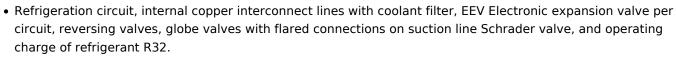
- Base frame, welded, with revolving round and Slotted
- Static load capacity up to 1548 kg
- Infinitely depth-adjustable 19" mounting angles with 42 U
- Max. 19" mounting depth 900 mm
- 1 x glazed door with three-point locking and rotating lever handle, lockable, circumferential seal, 3 x two-way hinges 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

## 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 14.0 kW Control range ( min max) ( 5.0 to 14.5 ) kW
- Nominal heat output 16.5 kW Control range ( min max) ( 4.0 to 16.5 ) kW
- Nominal conditions Rack Air ( cool ) 27/19°C db / wb nominal conditions Rackluft (heating) 20°C db
- Air flow rate (high) 2040 m<sup>3</sup>/h Air flow (medium ) 1860 m<sup>3</sup>/h Air flow rate (low) 1620 m<sup>3</sup>/h
- External static pressure Pa min 45, max 85 Pa
- Power supply: 230V / 1 ~ / 50 Hz
- Electric Power consumption max. 4950 W
- Electric Current consumption max. 22.3 A
- Sound pressure level inside, max. 38 dB (A) Sound pressure level inside, min. 33 dB (A)
- Refrigerant R32
- Refrigerant Connection , Liquid Line 3/8" 10mm Refrigerant connection, suction pipe 5/8" 16mm
- Dimensions: height 280 mm x width 1370 mm x depth 740 mm
- Weight 59 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 14000 (5000-14500)
- Heating capacity W 16000 (4000-16500)
- Sound pressure level dB (A) 51

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- Power supply 1 ~ 230V-50Hz
- Power Cooling W 4950 COP / EER (energy efficiency rating ) 2.83
- Heating power W 4890 COP / EER (energy efficiency rating ) 3.37
- Fuse rating, slow 25 A (with the inner part )
- Dimensions: height 845 mm x width 970 mm x depth 370 mm
- Net weight kg 81
- Refrigerant piping length max. 50 m
- Injection line isolated 10 mm
- Suction line isolated 16 mm
- (installation expenses at cost )