CoolRack Silent with cooling capacity 7.1 kW, 800+150x1200x2100 mm

SKU	CR-7.1-M-G-8-12-42-A
Produkt Verfügbarkeit	
Belastbarkeit in kg	
HE/U	42
Breite/width	800+150
Tiefe/depth	1200
Höhe/height	2100
kW	
Segmentation	

Directly cooled 42U cabinet with sound insulation consisting of a side cooling unit in the rack with a cooling capacity of 7 kW and a chiller for outdoor installation.

Description and technical data of the Serving cabinet:

Base frame, welded, with round round and long perforation
Soundproof - noise reduction approx. 38 dB
Static load capacity up to 1548 kg
Infinitely depth-adjustable 19 "hole angle with 42 U
Max. 19 "installation depth 780 mm
1xSight door with three-point lock and rotary lever handle, lockable, circumferential seal, 3 pcs. Reciprocal hinges with 180 ° opening angle
1x door made of solid steel plate with three-point lock and rotary lever handle, lockable, circumferential seal, 3 pcs. Hinges with 180 ° opening angle
2x side wall in the inserting system, screwed
Base with leveling feet
Removable cover with ventilation slots
detachable cable inlet screen
Detachable covers on the side
Roof module with cable entry from brush strip
Ground module with cable entry from brush strip
Visibility and vertical airflow barrier between 19 "hole angle and side wall
Powder coating RAL 7035, light gray
Cooling technology with inverter technology
Dimensions WxDxH 800 + 150 mm x 1200 x 2100 mm (article no. * 8-12-42)

Dimensions WxDxH 800 + 150 mm x 1000 x 2100 mm (article no. * 8-10-42)

Description and technical data of the side refrigerator:

Self-supporting, flat housing made of galvanized steel, lined with abrasion-resistant, non-combustible sound and heat insulation. Extendable, regenerative air filter, filter class EU 3 (optional)
The inner part is attached to the cabinet side wall using the enclosed mounting brackets.
Low noise, sucking centrifugal fan.
Statically and dynamically balanced impeller with forward curved blades.
AC fan motor, 4 speeds, with operating condenser, winding thermostat and permanently lubricated bearing, vibration-damped mounted.
Direct evaporator (air cooler) with large inflow area from inside grooved copper pipes with pressed aluminum lamellas and corrosion-protected, condensate tank with drain connection.
Internal copper connecting leads with flange connections and nitrogen protection.
Complete wiring with control box, microprocessor for control, monitoring and control as well as connection terminal strip for connection to the outdoor unit.
Sets the desired 4 operating speeds depending on the pressure loss of the connected channel.
Temperature sensor in the return air and on the evaporator (icing protection). LCD Infrared remote control with control buttons, including batteries.
Cover for rarely used functions.
Functions of the remote control: - Operating modes: On / Off, Ventilation, Cooling, Heating, Dehumidifying: Self-switching of cooling / heating with neutral zone.
Temperature: Setting the rack temperature between 16 ° C and 30 ° C.
Fan: 4 valve speeds
Nominal cooling capacity: 7.1 kW Control range (min - max) (3.2 - 8.0) kW
Nominal heating capacity: 8,0 kW Control range (min - max) (3, 6-9,0) kW
Nominal conditions Rack circulating air (cool) 27/19 ° C Tk / Fk Nominal conditions Rack circulating air (heating) 20 ° C Tk
Air volume flow (high) 1200 m³ / h Air volume flow (medium) 1080 m³ / h Air volume flow (low) 900 m³ / h
External static pressure min 45 Pa, max 85 Pa
Power supply 230V / 1 ~ / 50 Hz
Power consumption max. 2140 W
Electric current consumption max. 9.2A
Sound pressure level inside max. 35 dB (A) Sound pressure level inside min. 29 dB (A)
Refrigerant R32
Refrigerant connection, liquid line 3/8 "10mm refrigerant connection, suction line 5/8" 16mm
Dimensions: Height 280 mm x width 950 mm x depth 635 mm
Weight: 40 kg

Description and technical data Outdoor unit:

Self-supporting housing, weather-proof, on a stable base plate and screwed panels of galvanized, primed and enamelled steel sheet (color RAL 9002, gray-white).
The outdoor unit (condenser unit) is mounted on a horizontal base or a wall bracket (accessory) with the mounting lugs attached to the base of the unit.
Common, low-noise condenser axial fan, statically and dynamically balanced, including air outlet grille.
AC fan motor with operating capacitor, winding thermostat and permanent lubricated bearings.

Sound-insulated, full-thermal roller-piston compressor, internally and externally vibration-damped, with oil filling.
Optimum temperature control by speed-controlled compressor operating in the electronically controlled operating point.
Curved condenser with large inflow area made of copper tubes with pressed aluminum lamellae, incl.
One cooling circuit, internal copper connection lines, with refrigerant filter, EEV Electronic expansion valve per circuit, reversing valves, shut-off valves with flanged connections, suction line with Schraderventil, as well as operational filling with refrigerant R32 Complete internal wiring with connection terminals for mains connection and internal parts.
Cooling Capacity: W 7100 (3200-8000)
Heating capacity: W 8000 (3600-9000)
Sound pressure level dB (A) 51
Operating voltage 1 ~ 230V-50Hz
Power consumption Cooling W 2140 - COP / EER (energy efficiency class) 3,32 A
Power consumption Heating W 2160 - COP / EER (energy efficiency class) 3.70 A
Fuse, slow A 20 (together with inner part)
Dimension: height 750 mm x width 968 mm x depth 340 mm
Net weight kg 60
Refrigerant piping length max. m 50
Injection pipe insulated mm 10
Suction line insulated mm 16
(Installation costs according to expenditure)

The following noise levels have an impact on human behavior:

• At 45 dB (A), a relaxed conversation is more difficult.
• At 50 dB (A), those affected raise the voice.
• At 60 dB (A), people affected must speak loudly.
• If the load exceeds 65 dB (A), local residents change their behavior, that is, keep windows closed and balconies are no longer used.