

CoolRow DX 10 kW with EC Fans Frontcooler



SKU	ECDX-S-3-10-42-FR-10
Produkt Verfügbarkeit	delivery time on request
Breite/width	300
Tiefe/depth	1000
Höhe/height	2000
HE/U	42
kW	10

CoolRow DX 10 kW with EC fans - version Frontcooler

The CoolRow® is a highly energy-efficient and efficient in-line cooling system for cooling server rooms and data centers in a rack installation based on the cold aisle aisle concept. Powerful fans suck in warm air at the back and blow out cold at the front. The CoolRow® is suitable both for a cold aisle enclosure and a warm aisle enclosure with and without raised floor. Likewise, the Coolrow DX is to operate as a side cooling device for directly cooled server racks, in addition even in a combination of two different air conditioning methods. Here, the process heat is absorbed in a highly efficient manner directly in the back of the rack and cold air is discharged forward into the server room. This adaptive functionality enables a unique indoor climate concept with the efficiency of a directly cooled server rack.

- Row cooling unit with 10 kW cooling capacity
- flexible use in cold and hot aisles
- no double floor necessary

- pressure control
- Coolants Coolant DX version
- flexible and easy to install
- Stocks can be retrofitted
- efficient inverter external device
- (WxDxH in mm) 300x1000x2000

Description and technical data of the side refrigerator:

Technical Datasheet Lehmann CoolRow Air Conditioners

CoolRow 10 kW version

COOLING CAPACITY

Full kW 3-10.2

Sensitive kW 3-9.3

Air inlet temperature 35 ° C

Relative humidity% 35

Power consumption Unit kW 4.4

Current consumption Unit A 6.3

FANS n. 3

Type EC Radial EC Radial

Air flow m³ / h 2500

Ext. Static pressure Pa 20

COMPRESSOR

R410A

Type Hermetic BLDC

Number n. 1

Kältekreislauf n. 1

Speed RPM 2400

Modulation range RPM 2400-4800

AIR FILTER n. 1

G4

GLOBAL ELECTRICAL DATA (ACCESSORIES INCLUDED)

Voltage V-ph-Hz 400-3-50 + N + T

Power consumption kW 4.4

Total current consumption A 6.3

Max. Current consumption FLA A 4.5

Starting current LRA A 4.5

SOUND PRESSURE LEVEL, 3 m free field clearance (ISO3746) dB (A) 65 from the front

DIMENSIONS

Width 300 mm

Depth mm 1000

Height mm 2000 + 100

Shipping weight kg 135

AIR COOLED LIQUID

Outside air temperature 35 ° C

Number n. 1

Series and size CR 19 Kc

AXIAL FANS n. 1

Amount of air m³ / h 5900

Rated power kW 0.49

Max. Current consumption FLA A 2.36

POWER SUPPLY V-ph-Hz 230/1/50

SOUND PRESSURE LEVEL, 10 m clearance in free field dB (A) 41

DIMENSIONS

Length 840 mm

Width 780 mm

Height mm 800

Transport weight 31 kg

CONNECTION OF REFRIGERANT LINES IN / OUT mm 18/16