

PRODUCT DATASHEET

Name: Row heat exchanger DX2 in Z-SERVER housing and SDX3 (10,3 kW) condenser

Catalogue number: WZ-ZSERVER-RWCDX-03-4X301X-XXX



PRODUCT SPECIFICATION

The cooling system consists of an indoor unit (RWC) and an outdoor unit (condenser - SDX). The heat load absorbed by the refrigerant in the indoor unit is released to the outside environment by the modular condensing unit.

Advantages of row heat exchanger:

- Even distribution of cold air over the entire height of the exchanger.
- Optimal adjustment of the fans' operation significantly reduces the energy consumption.
- The Hot Swap system enables maintenance operations during continuous operation of the device. Connecting the fans to the multiswitch strip allows for independent switching off of the serviced fan.
- Monitoring of air conditioner operating conditions via Ethernet.
- Double power supply.
- The solution guarantees automatic activation of the emergency line in case of power failure.

TECHNICAL DATA

- Bolted frame.
- Perforated single-leaf front and rear door.
- Top plate with knock-out blanking plates.
- Leveling feet.
- Side panels.
- Earthings conductors for doors, top plate.
- Air filter, ethernet interface, condenser. keypad.

AVAILABLE SIZE

For cabinets			Catalogue number	
Height	Width	Depth	RAL 7035	RAL 9005
42 U	300 mm	1000 mm	WZ-ZSERVER-RWCDX-03-423010-011	WZ-ZSERVER-RWCDX-03-423010-161
		1200 mm	WZ-ZSERVER-RWCDX-03-423012-011	WZ-ZSERVER-RWCDX-03-423012-161
45 U		1000 mm	WZ-ZSERVER-RWCDX-03-453010-011	WZ-ZSERVER-RWCDX-03-453010-161
		1200 mm	WZ-ZSERVER-RWCDX-03-453012-011	WZ-ZSERVER-RWCDX-03-453012-161
47 U		1000 mm	WZ-ZSERVER-RWCDX-03-473010-011	WZ-ZSERVER-RWCDX-03-473010-161
		1200 mm	WZ-ZSERVER-RWCDX-03-473012-011	WZ-ZSERVER-RWCDX-03-473012-161

TECHNICAL DATA

Internal unit	Unit	Value
Heat exchanger	model	RACA2O0U20
Power supply	V / fazy / Hz	230 / 1 / 50
Air flow	m ³ /h	3800
Airflow loop	open / closed	open loop
Fans AC		
Number of fans	pc.	5
Fan motor max (each)	W	250
	A	1,1
Refrigerant cocks		
Liquid pipe diameter (IN)	inch	1/2" SAE
Gas pipe diameter (OUT)	inch	3/4" SAE
External unit		
Condenser	model	FDC100VN
Total cooling capacity*	kW	10,3
Sensible cooling capacity*	kW	10,3
Power supply	V / fazy / Hz	230 / 1 / 50

* Cooling capacities are calculated at the following conditions:

Internal return air temperature = 35°C

Internal return air humidity = 30%

External air temperature = 35°C

Cooling capacities are preliminary data, subjected to updates.

Material Z-Server:

Sheet steel.

Protection degree:

IP 20 in accordance with EN 60529 (does not apply to brush cable entries)

Surface finishing:

Side panels, doors, top plate - powder paint light grey (RAL 7035) or black (RAL 9005).

Other metal parts - zinc-coated.