

## ► Heat Exchanger



### Introduction

Heat exchangers as an air-to-air cooling system are designed for reliable and energy-efficient temperature control in telecommunications cabinets. These passive cooling systems (close loop systems) are perfectly fit for maintaining an internal temperature between 5°C and 15°C above ambient temperature that are suitable for mountainous regions.

Improved performance, low power consumption and reduced noise emissions make them a worthy choice for small heat loads in outdoor cabinets.

### Features

- Cost-effective closed loop cooling system
- Smart cooling control systems
- Low noise
- Good choice for small heat loads placed in mountainous and cool areas
- Corrosion protection with powder coated sheet metal
- Step less fan speed control
- Small and compact design
- Power supply -48 VDC as suitable and reliable power source when AC power fails
- Easy maintenance and installation
- Efficient and reliable radial fans
- Reduction of OPEX and TCO
- IP Grade 55 in accordance to IEC62208 & IEC60529

### Heat Exchanger Specification

Power Supply	-48VDC ( -43VDC ~ -60VDC )
Rated Cooling Capacity @ $\Delta t=1^{\circ}\text{K}$	40 W/K
Rated Power Consumption @ $\Delta t=1^{\circ}\text{K}$	50W
Control System	Smart
Dimensions (W×H×D)mm	622x344x200