

DETAKOM FREE COOLING SYSTEM

Detakom Free Cooling System is an energy saving and environmentally friendly product designed for GSM Base Stations.

The Free Cooling System we manufacture as an alternative to the energy and maintenance demanding air-conditioning systems provides high energy savings.

Our Free Cooling System is easy to handle and ensures an economic operation.

The system is highly ozone-friendly, with no gas emissions to the environment.

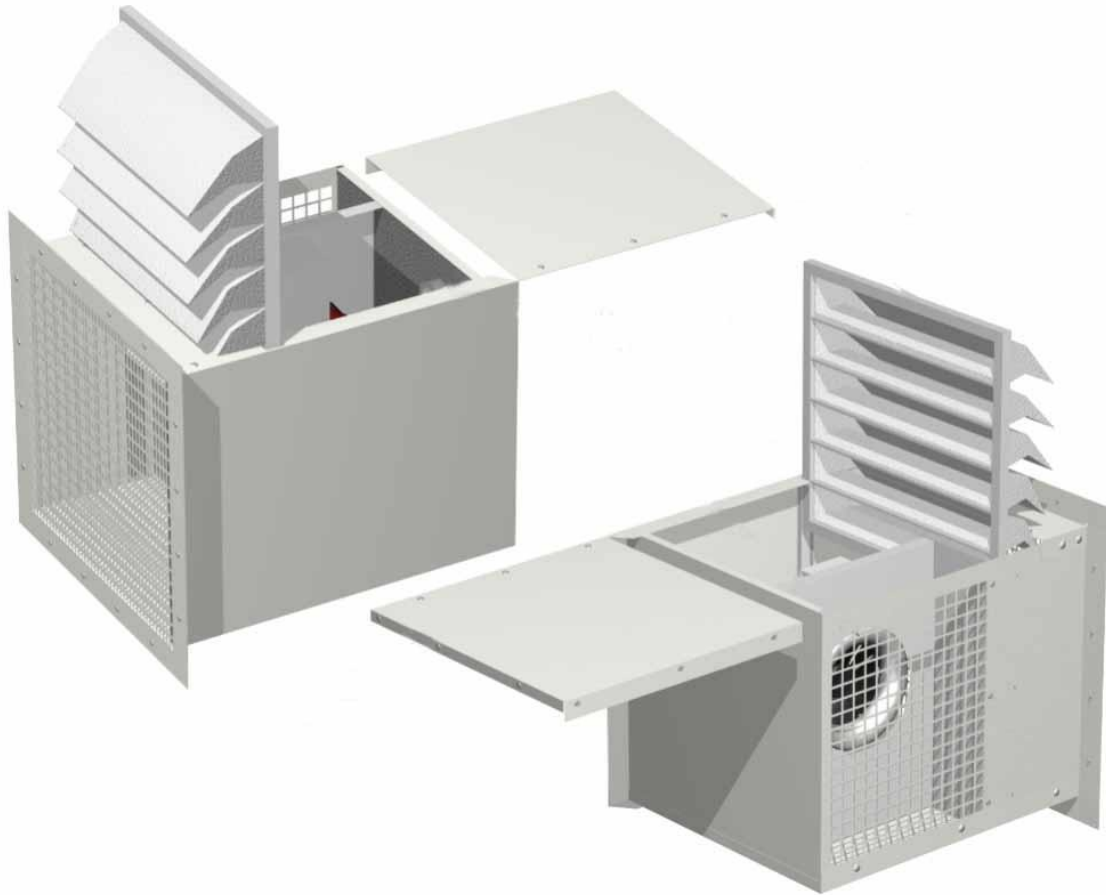
Operating Principle of the System:

Instead of cooling the warm air, the system introduces the cool outside air in the cabin, and transports the heat out.

A supply air fan pressurizes a pressure chamber with fresh outside air, which is then introduced into the cabin through filters.

The cool outdoor air is forced through the filter hoses displacing the hot air in the cabin to the ceiling, where it is transported out through an exhaust grill.

It has a very reliably operating system.



TECHNICAL DATA

| Version | Unit | FCS 2 AD 23-24 | FCS 2 AN 12-30 | FCS 2 AD 17-11 |
|---|-------------------|----------------|----------------|----------------|
| Maximum air flow | m ³ /h | 4300 | 2570 | 2200 |
| Cooling capacity $\Delta t = 2^{\circ}\text{C}$ | kW | 3,17 | 1,85 | 1,58 |
| Cooling capacity $\Delta t = 5^{\circ}\text{C}$ | kW | 7,93 | 4,63 | 3,97 |
| Fan Voltage Range | V | 36-57 DC | 36-57 DC | 36-52 DC |
| Fan nominal operating current | A | 8,8 | 4,65 | 3 |
| Fan power consumption at nominal voltage | W | 440 | 263 | 120 |
| Filter | class | G4/G3 | G4/G3 | G4/G3 |
| Filter area | m ² | 1,8 | 1,6 | 1,6 |
| Height | mm | 700 | 500 | 500 |
| Width | mm | 600 | 500 | 500 |
| Depth | mm | 700 | 600 | 600 |
| Weight | Kg | 45 | 35 | 35 |