

**Flexibox 810**  
Indoor mounted



## FLEXIBOX 810 indoor FREE COOLING FOR ELECTRONICS

Flexibox 810 is an indoor-mounted free air cooler designed to control the internal environment of communication enclosures using a minimum of energy. By means of ventilation in an overpressure system, the Flexibox efficiently removes excess heat from the temperature-sensitive equipment, maintaining the temperature within defined limits.

The Flexibox can control two existing AC units, extend the AC service life and create immense power savings – even in very hot climates. Ask Dantherm for power savings calculations in your network.

With the built-in Dantherm CC4 Controller, it belongs to the 5<sup>th</sup> generation of Dantherm Free Cooling units. Yearlong know-how of control and energy-efficiency is built in.

It is designed for long life duration and minimises installation and maintenance costs. The unit is light-weight and easy to install, with no compromise of quality or intrusion safety.

Every unit is delivered in a single package suitable for shipment to site. The package includes:

- Flexibox with built-in controller
- Indoor temperature sensor
- Outdoor temperature sensor
- Manuals

To achieve a fully functional installation, an air outlet damper and air outlet hood are required.

## FEATURES AND BENEFITS

### Energy efficiency and environment

- Total heat management – designed for energy efficiency with maximum use of controlled ventilation.
- Certificates and approvals: CE, WEEE, ROHS & TÜV.
- Designed to UL and cUL.

### Cabinet

- Easy installation
- Indoor mounting including internal air hood
- Constructed of weather-resistant Aluzinc sheet metal (AZ150)
- G4 Compact filter

### Controller

- Dantherm CC4 – 48 VDC controller, integrated in the unit
- Control of external air conditioning unit(s)
- Control of external heater
- Control of motorised damper(s)
- Communication port RS 485, Modbus protocol
- Filter monitor

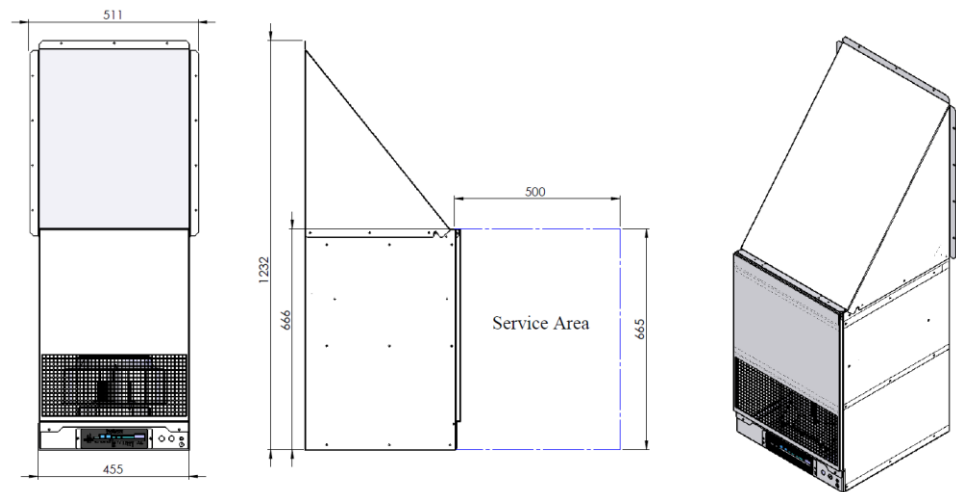
### Optional features

- Motorised air outlet dampers
- Exhaust air rain hood
- Optional F5 or F7 fine compact filter
- Optional LCD display with status and alarm functions
- Remote monitoring

**TECHNICAL DATA**  
**FLEXIBOX 810 indoor**

Version	Unit	48V DC (EC-fan)
Item number		368454
Nominal air flow	m <sup>3</sup> /h	2052
Nominal cooling capacity in W / K ( $\Delta t=1^{\circ}\text{C}$ )	W / K	697
Nominal fan power consumption (at 80% fan speed)	W	222
Nominal sound pressure at 1m distance from shelter	dB(A)	62
Fan nominal voltage	DC	48V DC (42-57V DC)
Maximum air flow	m <sup>3</sup> /h	2333
Maximum cooling capacity	W / K	782
Maximum current	A	6.10
Maximum power consumption	W	329
Filter	class	G4 compact
Filter area	m <sup>2</sup>	0.75
Height (incl. internal air hood)	mm	600 (1140)
Width	mm	455
Depth	mm	490
Weight	kg	25
Controller		Dantherm CC4
Fan		EBM
Approvals		CE, ROHS, TÜV

**DIMENSIONS**



**FLOW - &  
CONNECTION CHART**

