

# Monitor 12



## Monitor Free Cooling System, 12 kW

- Reduces energy consumption and CO<sup>2</sup> emissions in excess of 90%
- Recoups investment in one to three years
- Can be used as a direct cooling system or to work with existing air conditioning installation
- Comprehensive alarms alert to issues with the system or the cabinet environment
- Real time and online telemetry and control

## Product Classification

**Product Type** Cooling system

## Dimensions

**Depth** 150 mm | 6 in  
**Height** 1360 mm | 54 in  
**Weight** 153 kg | 337 lb  
**Width** 450 mm | 18 in

## General Specifications

**Color** Standard RAL Colors available  
**Fans, quantity** 3  
**Finish** Powder coated  
**Installation Duration** 5 hrs  
**Installation Team, quantity** 2  
**Material Type** Galvanized steel

## Electrical Specifications

**Operating Current at Voltage, maximum** 20.2 A @-52 Vdc  
**Power Consumption at 50% Speed** 124 W  
**Power Consumption at Nominal Voltage** 990 W  
**Voltage** -38 Vdc | -58 Vdc

## Mechanical Specifications

**Cooling Capacity at  $\Delta t=10$  °C (inlet to exhaust)** 13.5 W  
**Cooling Capacity at  $\Delta t=7$  °C (inlet to exhaust)** 9.6 W  
**Flow Rate at 100% Fan Speed** 4500 m<sup>3</sup>/hr

## Environmental Specifications

**Air Filtration Efficiency** MERV 11

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**Operating Temperature** -30 °C to +40 °C (-22 °F to +104 °F)  
**Qualification Standards** CE

## Regulatory Compliance/Certifications

**Agency**  
RoHS 2011/65/EU

**Classification**  
compliant

