MAFI
Marine Air Flow International

Digital "Air-On-Demand" System
Auto Fan Speed Controller

Spec Data Sheet

The Red Lion 4.3" CR1000 Human-Machine Interface (HMI) is utilised by MAFI to control the operation of all VSD's from a single panel. The CR1000 HMI module includes a full-colour 4.3" touch-screen panel with 2 serial ports, 1 Ethernet port and an SD port. The Red Lion system provides real-time feedback on the performance of the VSDs, allowing the user to adjust the fan's speed to optimise engine room ventilation. Additionally, the Red Lion system has a sleek, modern look that is not out of place on the most luxurious of control panels.

Functions of the Red Lion System

- Easily change between automatic mode, manual extract mode, manual supply mode and OFF (note - we STRONGLY recommend supply air as it is far more efficient)
- Ability to quickly adjust speed of fans manually in the engine room
  Control screens display live data regarding engine room temperature, frequency output and power usage
- Status of the system is visually displayed (Alarm/Warning/Running) allowing for easy identification when errors occur
- Readouts screen shows live analog current draw, motor voltage, heat sink temperature and DC link voltage
- Ability to perform diagnostics on system for optimisation
- Option to be programmed into a ship management system (via Modbus Addressing)
- Real-time data logging
- Ability to control multiple VSD's on a single control panel

We supply our Air-On-Demand with a 3 year replacement warranty.

MAFI Part Code	Power	KW	Weight	Cost
MAFI-AOD-240VRedlion-ForVSD	240V multi-voltage	2.2kw	4.5KG	Quotable
MAFI-AOD-3Ph RedlionForVSD	3Phase	4Kw	4.5KG	Quotable
MAFI-AOD-3Ph RedlionForVSD	3Phase	7.5Kw	4.5KG	Quotable

NB: All export projects are quoted in USD