Marine reversible air conditioner 48 V battery powered up to 12000 Btu/h



Réf : **MC12DC48V**

The DC VECO x Cristec marine air conditioning system ensures optimal thermal comfort on board the boat, without the need for a generator, by being directly powered by the onboard batteries in 48 V.

Classic delivery

Public price TTC

N.C.

CARACTERISTICS

MARINE REVERSIBLE AIR CONDITIONER 48 V BATTERY POWERED UP TO 12000 BTU/H

Réf. **MC12DC48V**

Dangerous material : non

Weight :

- Capacity : 12000 BTU/H
- Model : DC marine air conditioning kit
- Weight : 32 kg
- Depth : 330 mm
- Height : 340 mm
- Width : 523 mm
- Type of air conditionner : Reverse cycle

SPECIFICATION

The **48 V Veco x Cristec marine air conditioning system** consists of a **reversible Climma Compact monoblock air conditioner**, compact and highly efficient, combined with a **Kersine inverter** that converts energy from the batteries into 230 V AC to power the air conditioner.

VECO and Cristec, both recognized as benchmarks in their respective fields, have joined forces to offer a highly efficient marine air conditioning kit, providing a reliable and flexible system to maintain a comfortable onboard temperature, even while underway.

Advantages of the Veco x Cristec 48 V boat air conditioning system:

- Soft start function, reducing current peaks and improving equipment lifespan
- Optimized power management by the Kersine inverter, which absorbs and regulates current (A) for more stable and safer battery usage
- Lower average energy consumption than standard 48 V air conditioning systems on the market, ensuring improved overall energy efficiency

Features of the VECO Climma Compact air conditioner:

- Autonomous and independent air conditioning unit
- Voltage: 230 V
- Refrigerant designed to optimize system performance while reducing energy consumption

- Sea water cooling
- Ultra-thin, high-efficiency heat exchanger
- Powerful, adjustable-direction fan
- Copper condensate drain line with Climma dry filtration principle

The Climma Compact marine air conditioner is ready to use once connected to the seawater circulation and air distribution systems.

Features of the CRISTEC Kersine DC-AC inverter:

Designed for intensive use, the Kersine+ DC-AC sine wave inverter benefits from High Frequency technology, making it lightweight and compact for easy integration into a wide range of applications.

- 230 V AC output, 50/60 Hz
- Power up to 3.6 kVA, capable of supplying high-power devices
- Excellent thermal performance: nominal power at 25 °C, = 80% at 40 °C, = 60% at 55 °C (depending on models)
- Pure sine wave output
- Simple and robust installation: removable terminal blocks, Faston connectors, and eyelets
- Standard CAN-BUS interface for real-time control and configuration
- Compatible with Cristec Connect Low Energy, reducing consumption by up to 50%
- Standards: EN61204-3 and EN60335-2-29
- Dimensions (L x H x D): 270 x 410 x 130 mm
- Weight: 7.4 kg