

## Vitrifrigo ND50 OR2-V Refrigeration unit 12V - 24V

Reference: G7600090.000



### Vitrifrigo ND50 OR2-V Refrigeration unit 12V - 24V

Vitrifrigo ND50 OR2-V is a refrigeration unit equipped with a BD50F compressor, powered at 12 or 24 V, for the construction of nautical and mobile refrigerator systems.

Refrigeration units are available following verification of compatibility with vessel dimensions and required power. Contact us for more information.

The Vitrifrigo ND50 OR2-V refrigerating unit works by cooling the air inside a closed environment, removing excess humidity and maintaining a constant temperature.

Equipped with a thermostat that monitors the air temperature inside the room and automatically adjusts the operation of the system to maintain the desired temperature.

The refrigeration units consist of an evaporator unit, condenser and a compressor designed for the creation of capillary refrigeration systems with evaporation temperatures between -25°C and +10°C.

Vitrifrigo ND50 OR2-V is equipped with a compressor electronic control unit which automatically adjusts according to the supply voltage. The compressor is able to operate silently, efficiently and safely up to a permanent inclination angle of 30°.

The control electronics, in order to avoid premature breakdowns of the compressor due to too frequent thermostatic cycles, are programmed to generate a 3-minute delay between each stop and the subsequent restart. The Vitrifrigo ND50 OR2-V electronic control unit, an integral part of the compressor, manages its start-up and operation. They are also equipped with a battery protection device that prevents discharge beyond a minimum safety level. Suitable for refrigerators with a volume of up to 300 liters and freezers with a volume of up to 100 litres.

Experience precise temperature control with the Vitrifrigo ND50 OR2-V, equipped with an advanced thermostat that automatically adjusts operation to maintain the desired temperature, ensuring that your perishable foods remain fresh for longer.

Built to withstand the challenges of marine environments, the Vitrifrigo ND50 OR2-V features a robust electronic control unit that optimizes compressor performance, ensuring quiet, efficient, and safe operation even at inclinations of up to 30°.

Maximize onboard cooling capacity with the Vitrifrigo ND50 OR2-V, capable of powering refrigerators up to 300 liters and freezers up to 100 liters, making it ideal for extended voyages or mobile living.

Vitrifrigo ND50 OR2-V

## TECHNICAL SPECIFICATIONS OF VITRIFRIGO ND50 OR2-V:

Power supply voltage: 12/24 V  
Compressor type: BD50F  
Displacement: 2.5 cc  
Adaptable gas: R404a/R507 HPB  
Condenser: Ventilated finned pack  
Width: 360 mm.  
Height: 155 mm.  
Depth: 135 mm.  
Standard equipment: 12/24Vdc without quick couplings  
Optional equipment: 12/24Vdc - 100-240Vac 50/60Hz with quick couplings

Are you looking for a product with different technical characteristics? [HERE](#) you can find the area dedicated to Vitrifrigo refrigeration units or other specialized brands .

For more technical information, please refer to the attached data sheet.

The images and technical data are not binding and may be subject to revisions by the manufacturer.

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## Technical Sheet

Voltage (V)	12 / 24
Length (mm)	135
Width (mm)	360
Height (mm)	155
Product type	Unità refrigerante
Standard equipment	12/24Vdc without quick couplings
Optional equipment	12/24Vdc - 100-240Vac 50/60Hz with quick couplings