MULTIZONE CONTROL KIT

THE INTELLIGENT AIR DISTRIBUTION SYSTEM

MORE COMFORT, MORE SPACE, MORE FREEDOM

12V 24V 48V

PATENT PENDING

ONE AIR-CONDITIONING UNIT
Two independent climate zones

MAXIMUM RESULT
Minimum complexity

WHAT YOU ELIMINATE

- **MANUAL GRILLE ADJUSTMENT**
  No precision, no automation, no real control over comfort.
- **A SECOND COMPRESSOR OR NEW A/C UNIT**
  More weight, more space required and greater installation complexity.
- **ADDITIONAL REFRIGERANT**
  Higher environmental impact, more maintenance and increased risk of leaks.
- **EXTRA WEIGHT, SPACE AND COST**
  Invasive installation work and greater complexity on board.

WHAT YOU GET

- **INDEPENDENT TOUCHSCREEN CONTROL**
  Temperature, fan speed and operating mode are managed directly from the second cabin.
- **TWO INDEPENDENT CLIMATE ZONES**
  More onboard areas conditioned by a single existing A/C unit.
- **SMART OPTIMISATION OF THE EXISTING A/C SYSTEM**
  Unused capacity is converted into comfort and efficiency.
- **COMPACT, LIGHTWEIGHT AND EFFICIENT SOLUTION**
  Ideal for new builds and refits, with no structural modifications required.

MADE IN ITALY

BLUE-AIRCO

OPTIMISE
INSTEAD OF ADDING MORE

The **Multizone Control Kit** is an intelligent air distribution system that delivers warm or cool air to multiple onboard spaces without installing additional A/C units.

Through advanced airflow management, it optimises **comfort**, energy **efficiency**, **space** and **weight** on board.

TWO CONTROL AXES

Both governed by a single touch display inside cabin 2

DIRECTION
The shutter controls airflow direction

+

INTENSITY
The brushless fan modulates airflow volume

BENEFITS

INDEPENDENT COMFORT
One A/C unit. Multiple climate zones.
Autonomous temperature and airflow control in each cabin.

MAIN A/C EFFICIENCY
Better performance from the same unit.
More comfort, without additional equipment.

SMART AIRFLOW CONTROL
Direction + intensity, automatically managed.
Motorised shutter, brushless fan and touchscreen control.

ENERGY EFFICIENCY
Optimise existing capacity.
Redirect unused airflow and reduce energy consumption.

SPACE & WEIGHT SAVING
No second compressor. No extra A/C unit.
Compact, lightweight and easy to integrate.

SUSTAINABLE BY DESIGN
Less refrigerant, fewer materials, lower impact.
A smarter use of the onboard HVAC system.

MODEL SELECTION & TECHNICAL DATA
All Multizone Control Kits include a motorized shutter and touch-screen control panel.

APPROX. KIT WEIGHT
1.8 Kg
Inline fan version, including electrical box, touch display, display cable, shutter, in-lne fan and Ø100 shutter adapters.

12/24/48 VDC
Available to match virtually any onboard electrical system.

OPTIONAL CENTRIFUGAL FAN*
Available as an alternative to the in-line fan for longer duct runs or higher pressure losses. Not included in the standard Multizone Control Kit.

Model	Fan type	Supply Voltage	Max. Power Consumption	Max. Airflow	Duct Diameter
MCK12V200	BLDC InLine Fan	12 VDC	24 W	200 m³/h (117 CFM)	102 mm (4")
MCK24V200	BLDC InLine Fan	24 VDC	24 W	200 m³/h (117 CFM)	102 mm (4")
MCK48V200	BLDC InLine Fan	48 VDC	22 W	200 m³/h (117 CFM)	102 mm (4")
MCK12V500*	BLDC Centrifugal Fan	12 VDC	115 W	500 m³/h (294 CFM)	127 mm (5")
MCK24V500*	BLDC Centrifugal Fan	24 VDC	120 W	500 m³/h (294 CFM)	127 mm (5")
MCK48V500*	BLDC Centrifugal Fan	48 VDC	120 W	500 m³/h (294 CFM)	127 mm (5")

Airflow values are nominal and may vary depending on duct configuration and installation conditions.

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