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INTRODUCTION





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The new Slim range is designed to promote installation on vehicles with small interiors.

Its vertical development allows for large internal space similar to a domestic refrigerator.

Thanks to the Power Saving mode, you can optimise consumption during outdoor use, thus saving energy and preserving the battery.

Moreover, the Silent Night function allows for greater acoustic comfort while maintaining high refrigeration performance.



INTRODUCTION

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MODELS



SLIM 70

- 70 L
- 822x420x469 mm
- DC 12/24V
- Power 38 W



SLIM 90

- 90 L
- 976x420x504 mm
- DC 12/24V
- Power 38 W



SLIM 140

- -140 L
- 1454x420x540 mm
- DC 12/24V
- Power 70 W



PRODUCT FEATURES

70-140 liter total capacity

Large 17 liter freezer

"Smart tray" funcion

Static condensing unit

Food lock shelf and separator

Efficient Secop compressor, Green R290 gas with GWP 3

Transparent slide-out box for fruits and vegetables



LED control panel, electronic thermostat

Thick insulation to achieve low power consumption

LED internal light

Door handle with ventilation lock function included

Adjustable shelfs

Glass shelf

Two adjustable bins (4 positions possible)











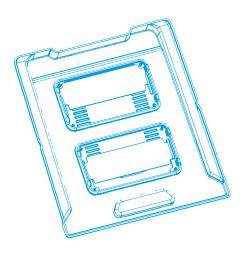


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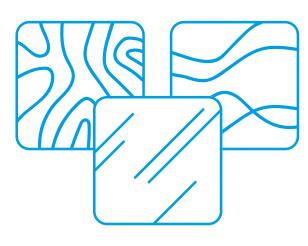
BEST IN CLASS



XL SIZE (up to 140 liters)



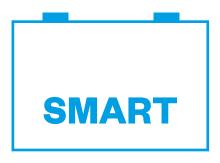
SMART TRAY SYSTEM



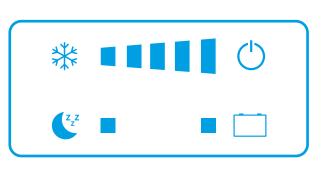
CUSTOMIZABLE DOOR PANEL



GREEN REFRIGERANT GAS



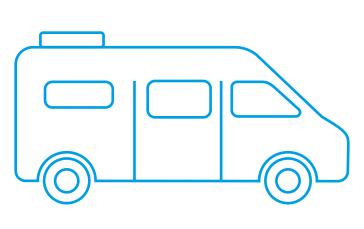
POWER SAVING FUNCTION



INTUITIVE CONTROL PANEL



HIGH EFFICIENCY (450 Wh/24h)



IDEAL FOR VAN USE

CUSTOMIZATION







Door panel is easily exchanged

The panel of the fridge door can be easily customized, by replacing it with a panel with the design matching the vehicle interior.

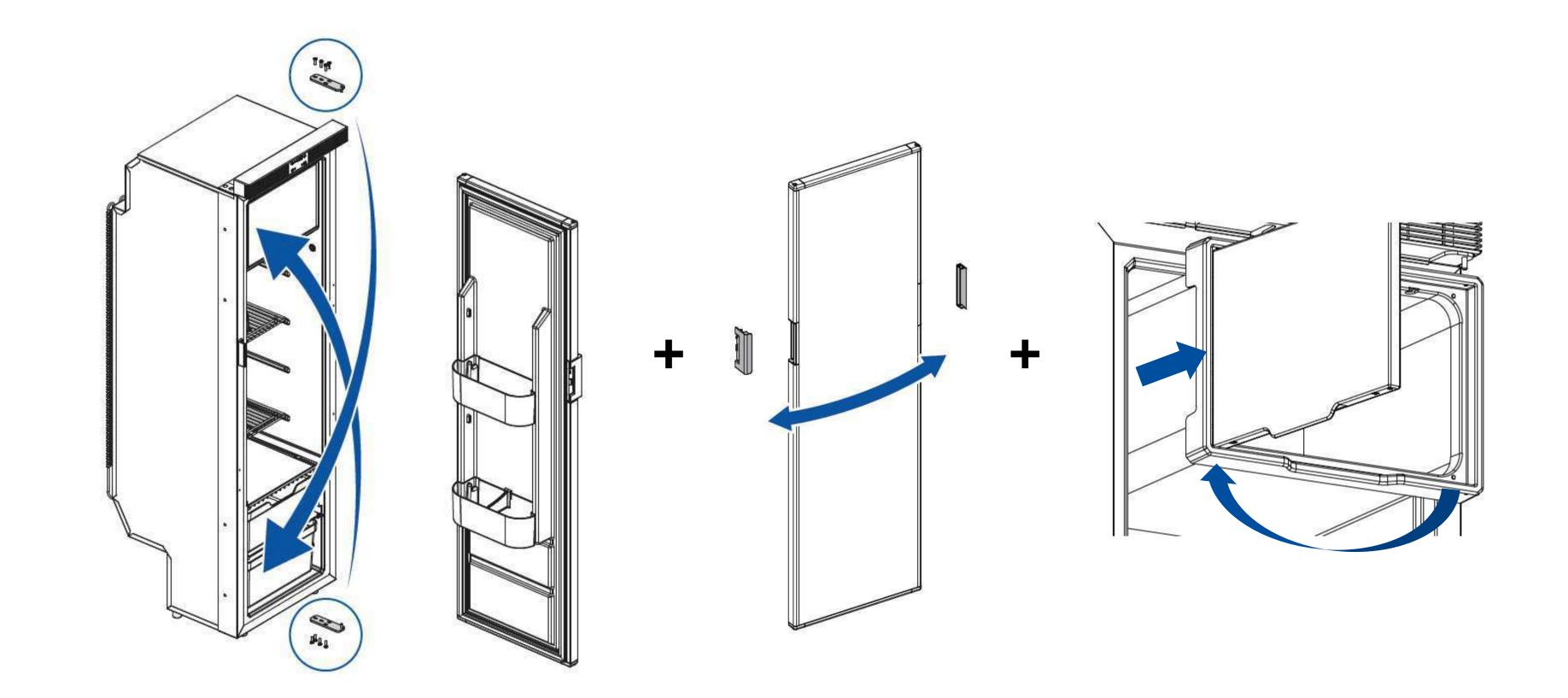
Panel can be inserted by removing the bottom door bracket.





Door hinge is easily exchanged

The door hinge can be easily exchanged from right to left with standard tools. This requires also to change the door handle and the freezer door.



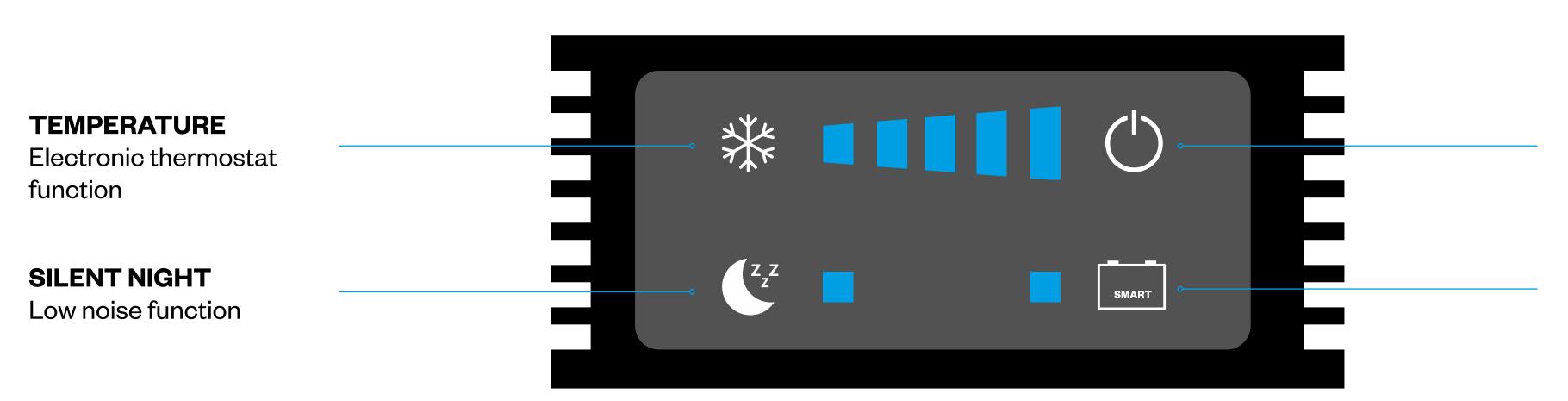
OPERATION







CONTROL PANEL CORE FUNCTIONS



ON-OFF

Panel lighted at any touch of any button- After 10s, return to "sleep mode" where only on/off button is lighted if fridge is on. Activation of on/off requires a continuous push of button for more than 3s

SMART

Power saving function

The control panel with LED backlight offers a clean, modern appearance and allows an easy operation with intuitive touch buttons and status LEDs.

The electronic thermostat function ensures a stable temperature control inside the cabinet.

SLIM SERIES

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SILENT NIGHT FUNCTION



GOALS

- Prioritize silent running over cooling performance while preserving cold food/drinks at wake-up time.
- Enable RV users to fall asleep easily and to spend quiet nights
- Reduce power consumption in period where fridge is not frequently used

HOW IT WORKS

- Minimize the start-stop of compressor in critical periods
- Run the compressor at lower average RPMs, thus at lower average decibels
- Mid-period battery check to optimize performance/power consumption ratio
- Automatic return to previous functioning mode after 10 hours

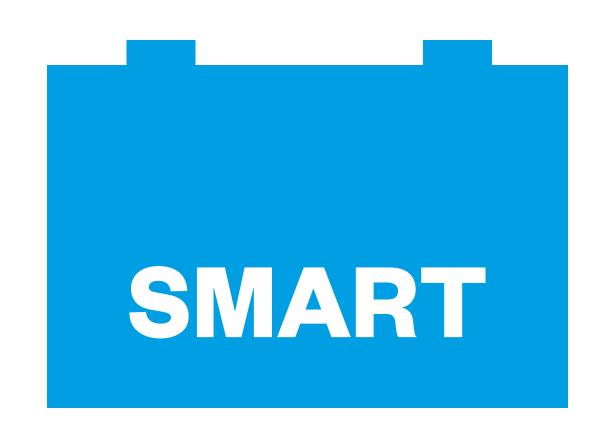
HOW TO USE IT

- Simply activate function by pushing the button before going to sleep
- Function shall be used only at room temperatures < 32°C

SLIM SERIES

OPERATION

SMART FUNCTION



GOALS

- Minimize amperage draw on batteries during off-grid periods
- Ability to run fridge on batteries for a longer period
- Possibility to use function as fast cooling feature (High power mode)
 if connected to the grid

HOW IT WORKS

- Accumulation of cold energy in the food/drinks when fridge is on-grid
 > High power mode
- Optimization of power consumption when fridge if off-grid, privileging energy saving over pure cooling performance. Savings between 12% and 20% possible in off-grid periods

HOW TO USE IT

- Simply activate function by pushing the button
- Function shall be used only at room temperatures > 20°C
- Smart function may be activated simultaneously with the Silent Night function



BATTERY PROTECTION

LEVELS	VALUES (V +/- 0.3) FOR			
	CUT-IN	CUT-OUT		
	10.9 21.3	9.6 22.7		
	11.3 23.4	10.0 22.0		
	11.7 24.2	10.4 22.8		
	12.0 25.0	10.8 23.6		
	12.4 24.7	11.1 24.3		

The battery protection level defines the minimum voltage under which power to the product is interrupted. This function helps to maximize the use of the fridge depending on the vehicle's battery conditions and setup.

To set the battery protection level, proceed as follows:

- with the product off, press and hold the "Silent Night" and "Smart" buttons for 3 seconds. This makes it possible to display/set the battery protection level.
- Each time the intensity button is pressed, another LED lights up until the maximum level is reached (5). Once at level 5, pressing it again starts over from level 1.
- To save the change, wait until the display stops flashing and turns off. Once restarted, the appliance will use the newly set values.

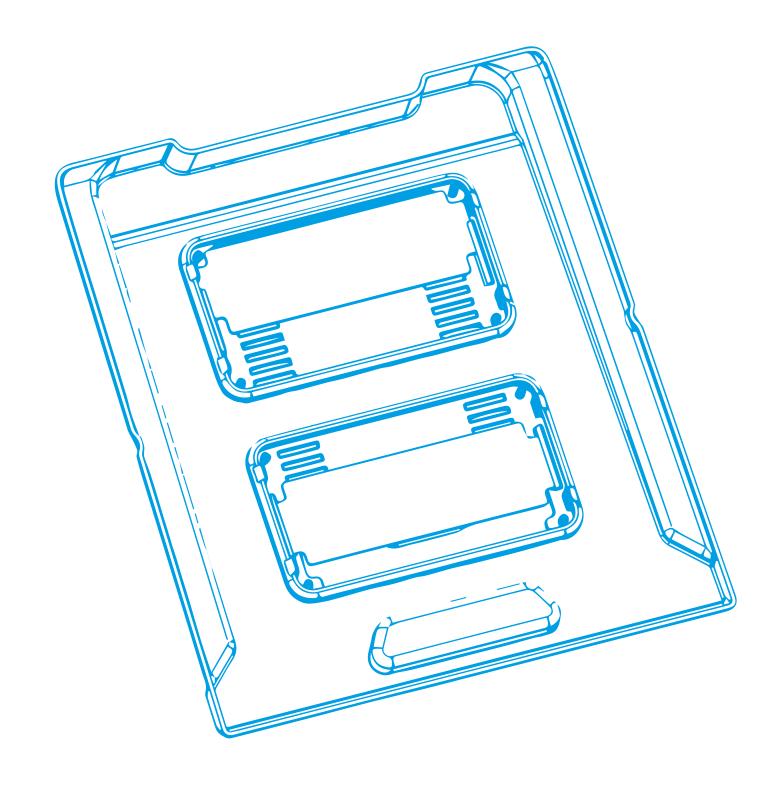
SMART DETAILS





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SMART TRAY DEVICE



GOALS

- Allow an individual balancing of the cold energy between freezer and fridge while keeping overall power consumption at low levels.
- Provide an additional way of tuning the performance of the fridge to match user needs and take into account external factors

HOW IT WORKS

• The drip tray has two closable openings integrated. These allow to adjust the amount of cold energy going from the evaporator inside the freezer into the fridge compartment.

HOW TO USE IT

- Closing the openings privileges the freezer and thus the freezer can reach 3 stars performance. Recommended only if cabin temperatures are < 32°C. Over 25°C it is recommended to have them at least partially open.
- Opening the openings will transfer more cold energy to the fridge area. Default option to keep cold temperatures in the bottom vegetables compartments. Recommended if cabin temperatures are high.

GREEN REFRIGERANT GAS



GOALS

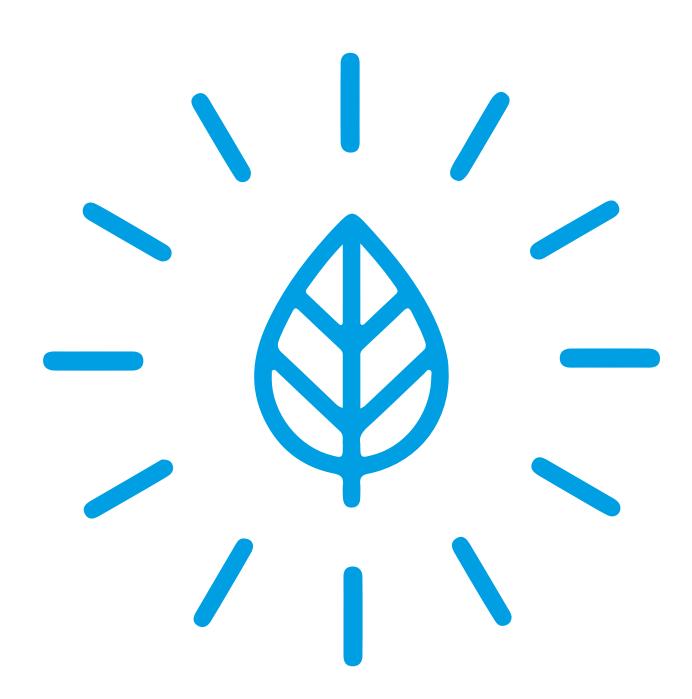
- Fridge shall have a high energy efficiency to consume little energy
- Fridge shall be environmentally friendly by using a refrigerant which has a low GWP (Global Warming Potential)

- The fridge uses R290 (known as propane) as refrigerant gas
- R290 has a very low GWP of 3. It is thus much "greener" than R134a which has a GWP of 1430
- R290 is flammable, but since only a very small amount is used in the fridge the product is not considered as dangerous
- Many refrigerators and also mobile A/C units use R290 nowadays

SLIM SERIES

SMART DETAILS

LOW ELECTRICAL POWER CONSUMPTION





GOALS

- Fridge shall have a very low electrical energy consumption
- RV users want to use the fridge over a weekend in off-grid mode

- Thick insulation of fridge walls and door to minimize energy losses
- Use of a modern SECOP compressor with variable speed technology
- Use of R290 as high efficiency refrigerant gas
- Intelligent compressor regulation logic which reduces compressor speed whenever possible
- Effective cooling of the condenser to keep condensing temperatures low and efficiency high
- Well sized evaporator
- SMART function to accumulate cold energy in the food/drinks when fridge is on-grid > saves energy if off-grid
- "Smart tray" offers an additional way of tuning the performance of the fridge to match user needs
- Best climate class ever: T (Tropical: Operation at room temperature from +16 °C to +43 °C)

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EASY FIX INSTALLATION

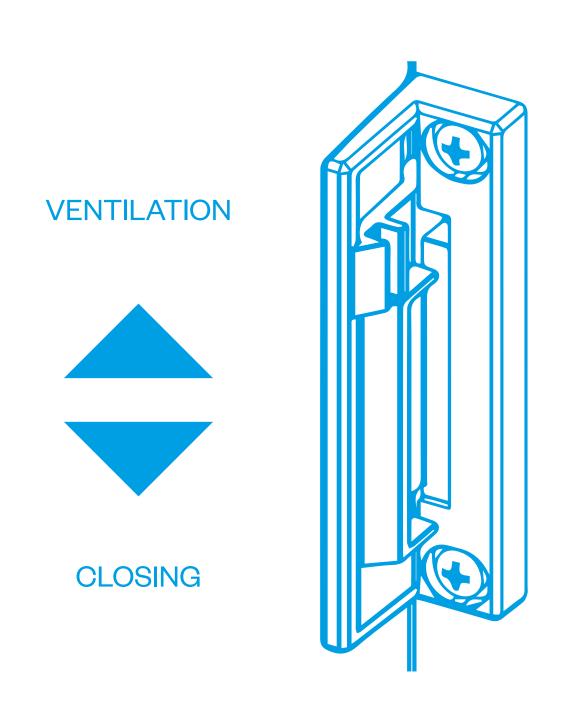


The easy-fix system allows a simpler and faster built in installation than the traditional system. The installation takes place by inserting fixing screws directly from inside the product to the walls of the cabinet through guide holes that prevent the refrigerator side insulation from breaking. The easy-fix system also eliminates the need to apply mounting brackets.

- The EASY FIX system features four special pre-drilled points inside the case for simple and effective installation
- White plugs cover the mounting holes nicely

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DOOR LOCKING SYSTEM FOR VENTILATION



GOALS

- Fridge shall have a door block system which allows to keep the door partially open when fridge is not used
- This prevents creation of mold and smell in the fridge

- The door locking mechanism which is mounted on the fridge (not the door) includes a door locking system which allows two positionsa) closing = normal position when fridge is in useb) ventilation position which keeps door partially open
- If door opening direction is inverted the door lock mechanism will operate in the same logic but upside down

TECHNICAL AND LOGISTIC

DATA







GENERAL TECHNICAL CHARACTERISTICS

Name	Gross Volume	External dim. (HxWxD) mm	Weight	Installed power	Olimate Olass	Consumption 12-24V	Voltage	Certifications	Compressor	Internal light
SLIM 70	70 L	822x420x469	20 Kg 2,5 Kg pack	38 W	т	0,290 kWh/24h	DC 12/24V	CE EMC E-Mark	SECOP BDN50K	•
SLIM 90	90 L	976x420x504	22,5 Kg 3 Kg pack	38 W	Т	0,340 kWh/24h	DC 12/24V	CE EMC E-Mark	SECOP BDN50K	•
SLIM 140	140 L	1454x420x540	38 Kg 3,5 Kg pack	70 W	т	0,450 kWh/24h	DC 12/24V	CE EMC E-Mark	SECOP BD80CN	•

All refrigerators are rated according to the maximum and minimum ambient temperatures they can function in. The climatic classes assigned to refrigerators and freezers serve to ensure their perfect functioning in the environment in which they are located.







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