



CAREL



For food storage and display

The future of control solutions
for commercial refrigeration

iJF for food storage and display

iJF has been designed to be fitted on the best OEM units, offering a new platform with CAREL's historic know-how on electronic controllers. Design and aesthetic integration, highest performance and sturdiness, combined with a complete IoT offering, make iJF the best choice for the professional refrigeration sector.

New display, new technology

- Capacitive touch able to withstand the harshest conditions;
- Backlit buttons for maximum accessibility;
- Slim and elegant for perfect aesthetic integration.

iJF is the new CAREL control platform for food storage and display applications. It has been developed based on CAREL's extensive know-how in the refrigeration market, offering important technological evolutions to face the challenges of today and tomorrow.

Numerous options are available dedicated to energy efficiency and optimum food preservation, so as to reduce the environmental impact of the end applications.

Excellent usability and easy interaction thanks to built-in NFC and Bluetooth wireless technologies.



iJF is the ideal solution for display applications, such as pastry display cases. The modern design and colour customisation of the front panel ensure high levels of aesthetic integration with the overall unit.

Features such as humidity control or dimming of lights help maximise product presentation.



User experience

Improved user interface thanks to the use of specific apps for different types of users.



Energy efficiency

The ideal solution for reducing energy consumption, through management of variable-capacity compressors (VCC) and modulating loads.



Quick programming

Maximum flexibility on the production line using NFC technology and dedicated software tools.



High performance for the latest challenges in the refrigeration market

iJF is the ideal solution for achieving the goals of energy efficiency and optimum food preservation. It can directly drive VCC variable-speed compressors (serial or frequency), as well

as modulating loads such as fans. It ensures better food preservation and presentation thanks to accurate control logic and the humidity management option. With growing demand for connected solutions, iJF features an RS485 serial port to simplify connections on site much as possible.



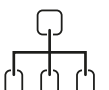
Quick and easy adoption of VCC solutions



Control of modulating loads



Accurate humidity control



Direct BMS connection



The iJF range, used for professional refrigerators and freezers, as well as chef bases and undercounters, satisfies the needs for both food preservation and blast freezing. In addition, iJF stands out for its elegant aesthetic integration possibilities.

Particular attention has also been paid to protection against liquids or dirt, typical of food environments.



Connectivity

Wireless connectivity, using NFC and Bluetooth technologies, revolutionises the way that users interact with the cabinets, simplifying the user experience.

The CAREL offering includes two mobile apps for the specific needs of different users: from service personnel to end users.







APPLICA
For service





CONTROLLA
For end users



Available versions

Characteristics	small		large	
Model	<div>Panel</div> <div></div>	<div>Split</div> <div></div>	<div>Panel</div> <div></div>	<div>Split</div> <div></div>
	all-in-one	stand-alone operation or combined with small HMI	all-in-one	stand-alone operation or combined with small or large HMI
Power supply	100-240 Vac			
Display	Up to 6 customisable buttons	-	Up to 8 customisable buttons	-
Analogue inputs	up to 2 temperature probes		up to 3 temperature probes	
Digital inputs	1 multifunction temperature probe; 1 voltage-free contact			
Digital outputs	Up to 4 relays		Up to 6 relays	
Connectivity	NFC, Bluetooth, RS485			
Extra features (mutually exclusive)	VCC serial			
	Control of modulating loads			
	Humidity management			

Optional user interface for SPLIT versions

Characteristics	small	large
Model	HMI 	HMI 
	display only	
Power supply	12 Vdc (supplied by the controller)	
Analogue inputs	-	1 temperature probe
Digital inputs	1 multifunction probe	1 multifunction probe; 1 voltage-free contact
Digital outputs	-	
Connectivity	NFC and Bluetooth	

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