



 United Technologies

FREEZER COMBINATIONS

Vantis

Function and beauty
in perfect harmony



Unique freezing concept

Very appealing display

Low energy consumption

Maximum attention, perfectly staged

Always a space saver



Plenty of display space, small footprint

The Vantis freezer really brings flexibility – both in the layout of the sales area and in the product range. Vantis combines the advantages of a chest freezer with those of a freezer cabinet. Bagged and bulk goods are preferably presented in the chest area, while stacked merchandise is displayed at customer eye level and illuminated with first class quality lighting.

The freezer is designed to provide an optimum view of the merchandise – even at the very back of the chest area.

The single-coil system makes the Vantis unique. The combination operates with only one evaporator – meaning a gain in valuable space in the cabinet section.

Features at a glance

- Horizontal and vertical product presentation
- Single-coil system: Having only one evaporator cuts costs and saves useful capacity
- Sophisticated lighting concept
- Very appealing display

Ideal combination

Vantis: Horizontal and vertical product presentation in one cabinet.

Vantis AF.e*cube: System-wise energy savings

Perfect energy saving with an optimised view of merchandise

Vantis AF.e*cube – the freezer combination – is equipped with energy saving non-heated triple glazed doors in the cabinet section and glass lids on the chest.

No fogging of the doors after opening

The polymer coating on the internal pane reliably prevents any fogging after opening. The coating absorbs the humidity in the ambient air and prevents fogging.



Specially-treated panes enable the middle door to remain fog-free, in comparison with non-treated doors on the left and right, all photographed shortly after opening in the trial lab.

No heating of the pane

Thanks to the non-heated triple glazed doors in the cabinet section, the usual heating of the external pane can be dispensed with. Heat-reflecting coatings on the centre and internal panes as well as a special gas filling between the panes ensure that they are free from condensation and dry on the customer side at all times. This lowers the energy and refrigeration load.

Energy savings with glass lids

Glass lids on the chest bring an extra energy saving and improved temperature stability. This effectively keeps uncontrolled air flows away from the merchandise. The use of electronic fans adds to the energy savings. Alternatively, the Vantis AF.e*cube can be equipped with vertical LED lighting in the cabinet and horizontal LED lighting in the chest.

Benefits at a glance

- Significant reduction in energy costs*
- Reduced refrigeration load*
- Greater temperature reliability
- Fewer defrost cycles, hence improved food protection
- Clear visibility of goods at all times



Low energy consumption,
greater temperature reliability



Standard equipment

- Non-Energy doors with ergonomic handles
- Energy-saving EC fans
- Glass lids on the chest

Accessories (optional)

- LED cabinet (vertical) and chest (horizontal) lighting
- Dew-point controlled frame heating (UA 400)

Saving potential

- Refrigeration load required approx. 30%
- Total electric energy consumption approx. 28%

Two types of hinged doors for the cabinet section



Non-Energy door

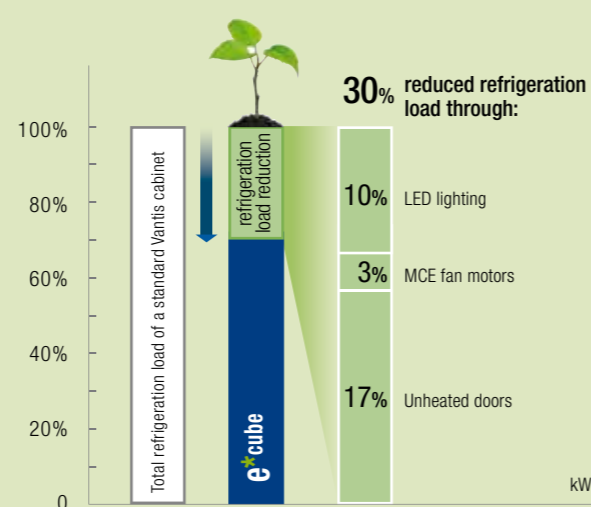
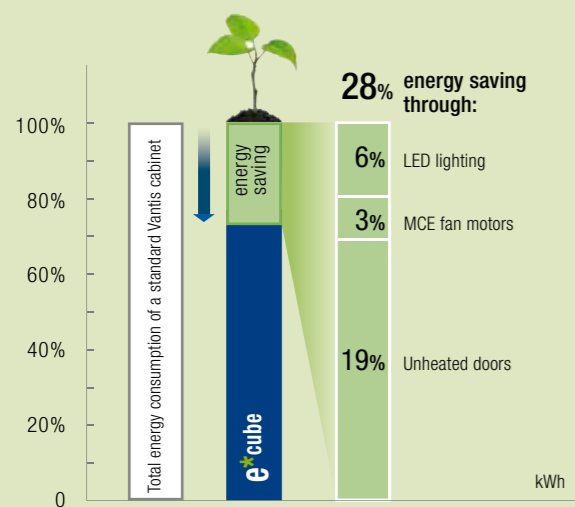
Triple glazed isolated hinged doors with a narrow alu-plastic frame.



All-glass Non-Energy door

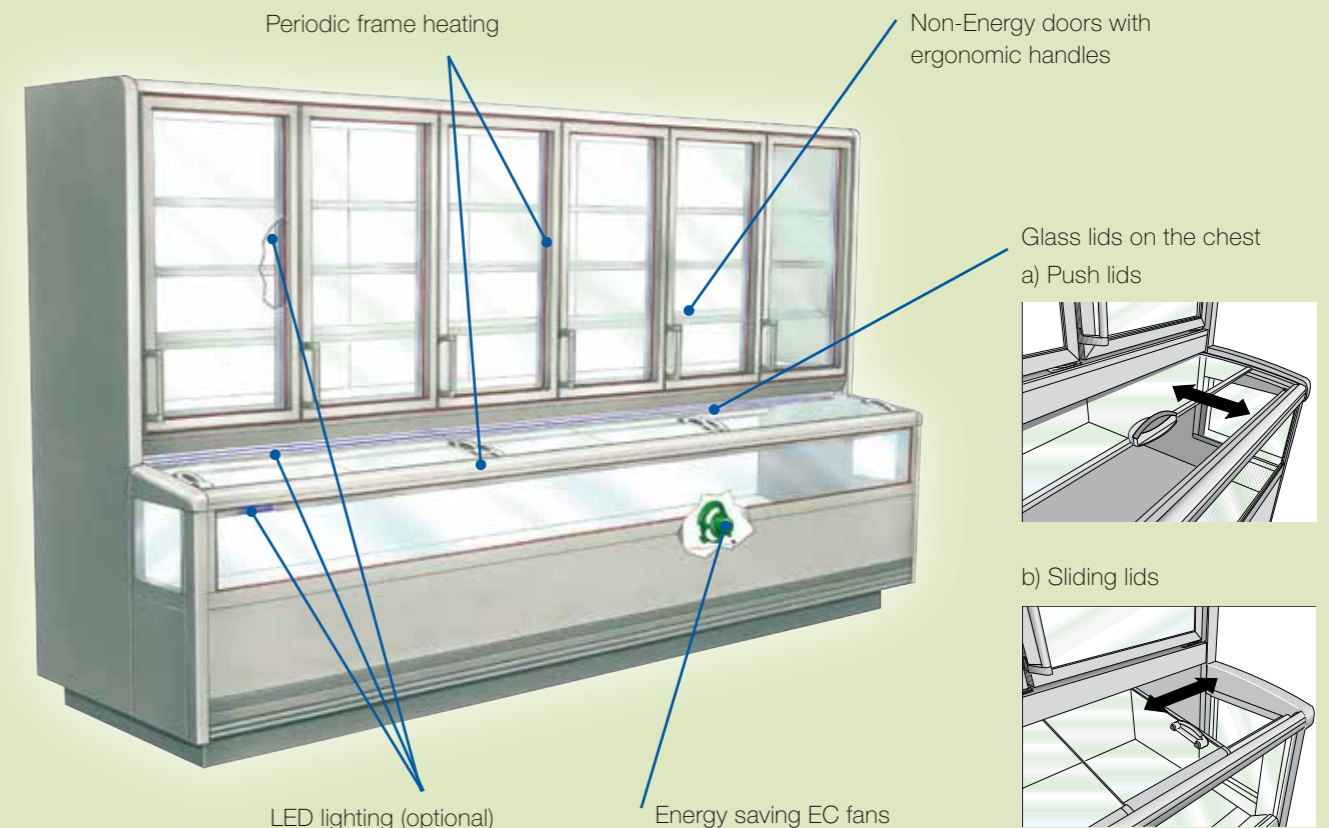
Triple glazed isolated hinged doors with a narrow alu-plastic apron.

Saving potential of Vantis AF.e*cube



Source: Carrier Lead Design Center

*Performance data compared to standard Vantis cabinet and dependent on range of operational setting, environmental factors and model types.



Highlights for improved merchandising

Merchandising technology at it's best

The illumination scheme shows all merchandise in the very best light. The use of special high-performance tubes and reflectors provides an effective solution for handling heat issues linked to lighting. Refrigeration and control of cabinet and chest sections are interconnected. Thus, one single evaporator system suffices for the entire freezer combination.*

This reduction in the number of components helps not only to improve operational reliability, but also to cut assembly and service times. And that keeps the cabinet completely fit for the presentation.

* Excluding crown-end units with cabinet section.

Fittings and accessories for flexible layout



Elegant external lighting

The optional external lighting shows the range of products to an even better advantage.



Ergonomic door pulls

Customers will easily and effortlessly open the cabinet doors using the well-designed and highly visible handles.



Rugged base bumpers

Tough base bumpers protect the attractive appearance of the Vantis even in the punishing routine of daily business.



Illuminated handrail

The lighting integrated in the handrail sheds an even better light on the merchandise.



Vantis installation

Optimum utilisation of space for a wide product assortment



Various glass heights

To match the store design, the chest section is available with glass height 280 mm or 380 mm.



Further accessories (examples)

- CO₂ evaporator
- Electronic expansion valves
- D2D defrost system
- UA 400 refrigeration controller
- Price rails

Best for business - Vantis in action



Scene

Two Vantis crown-end cabinets aligned.



Lighting scheme

The Vantis offers outstanding merchandise lighting quality.



Attractiveness

Customers stay longer at Vantis freezer sets because of their generous presentation area.

Market impressions



Impact

The high quality of the lighting boosts the impact of the display.



Mood

Presenting products in the Vantis helps to improve customers' shopping mindset.



Impression

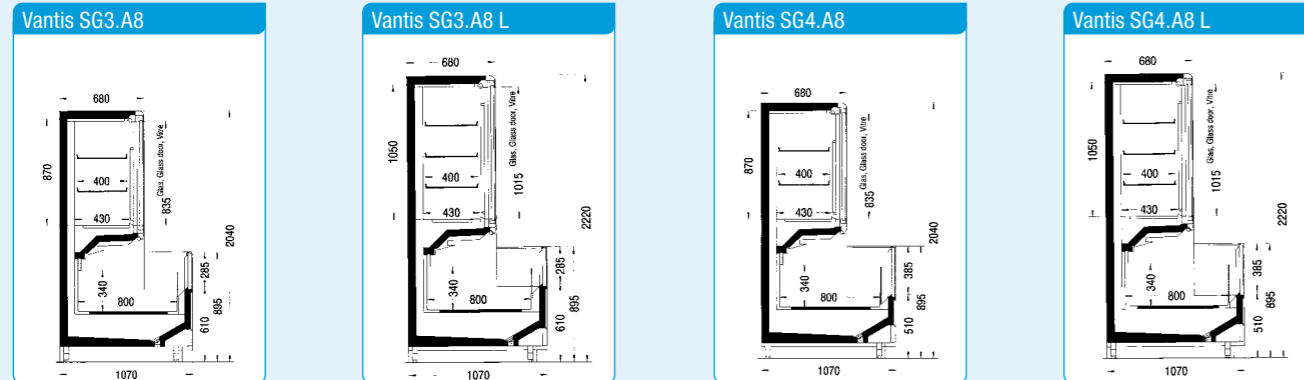
The combination of cabinets and chests gives even long freezer segments an attractive appearance.

Technical data

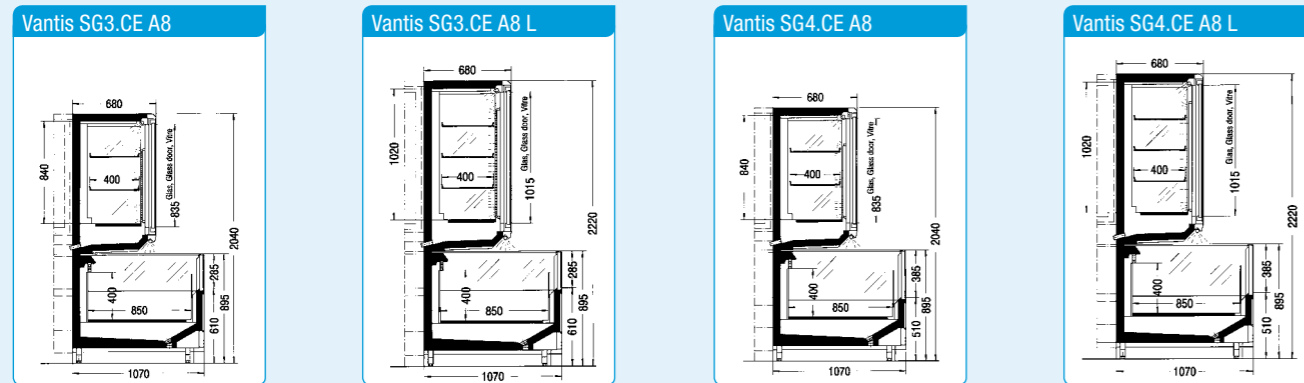
Vantis

Type code **Vantis SG4 . A8 L**
 Name of product
 SG = Standard glass
 4 = Facing glass approx. 40 cm
 Change code / status = A
 Temperature range = 8 (-18/-22°C, -22/-24°C)
 Detailed information: L = height 2,200 mm

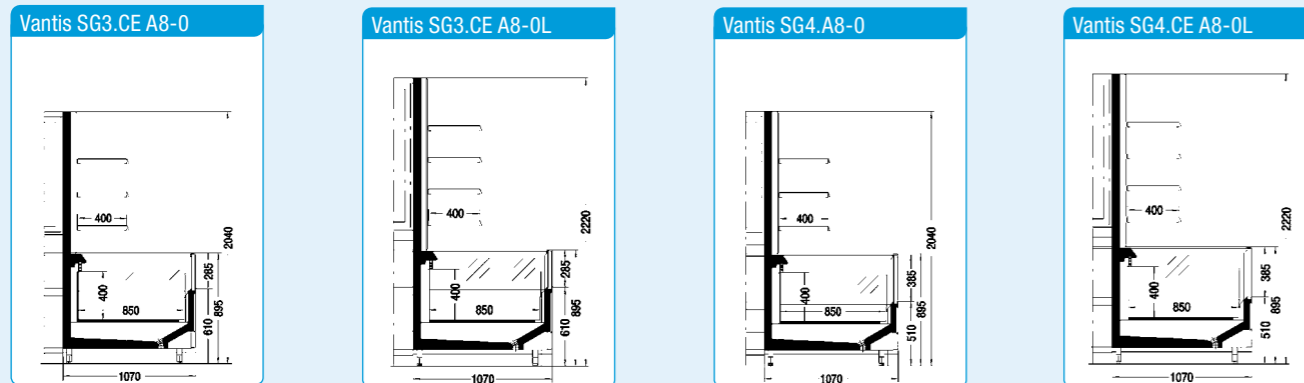
Vantis straight case: Height 2,040 mm or 2,220 mm, facing glass height approx. 300 mm (SG3) or 400 mm (SG4)



Vantis crown ends (CE): Case height 2,040 or 2,220 mm, facing glass height approx. 300 mm or 400 mm



Vantis crown ends with dry upright section: Height 2,040 or 2,220 mm, facing glass height approx. 300 mm or 400 mm



Vantis	Modules* [mm]		
	188	250	375
Length	1,980	2,600	3,850
Temperature range	8 (-18/-20°C, -22/-24°C)		
Display area	[m2]		
Standard height	3.80	5.10	7.60
L - Height	4.55	6.10	9.10
Useful capacity	[l]		
Standard height	1,205	1,560	2,410
L - Height	1,360	1,815	2,720

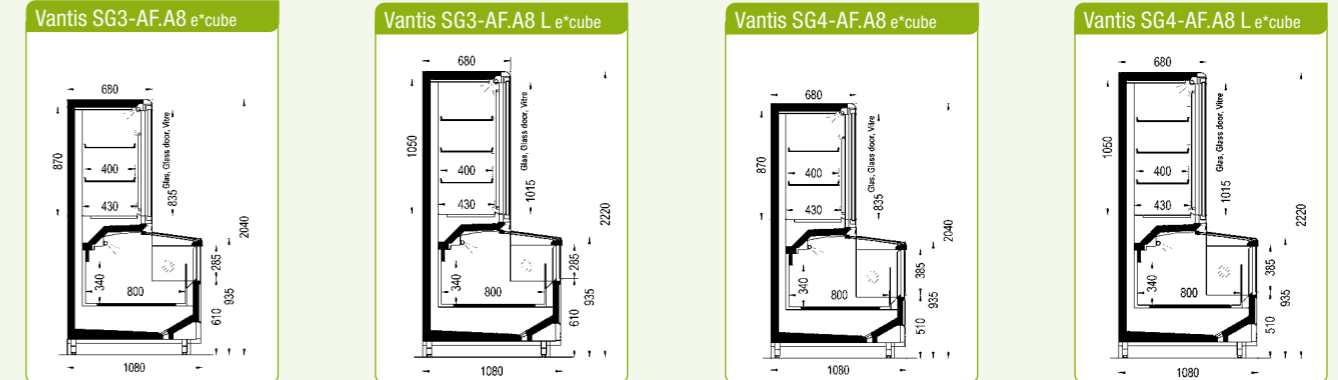
* Lengths incl. endwalls (50 mm)

Technical data

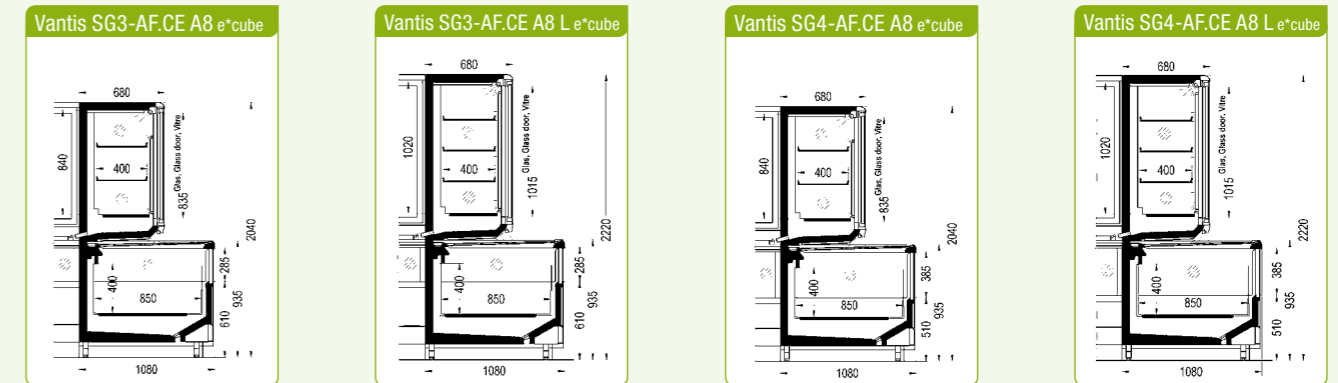
Vantis AF.e*cube

Type code **Vantis SG4-AF . A8 L e*cube**
 Name of product
 SG = Standard glass
 4 = Facing glass approx. 40 cm
 AF = Anti Fog
 Change code / status = A
 Temperature range = 8 (-18/-22°C, -22/-24°C)
 Detailed information: L = height 2,220 mm
 e*cube = energy saving design

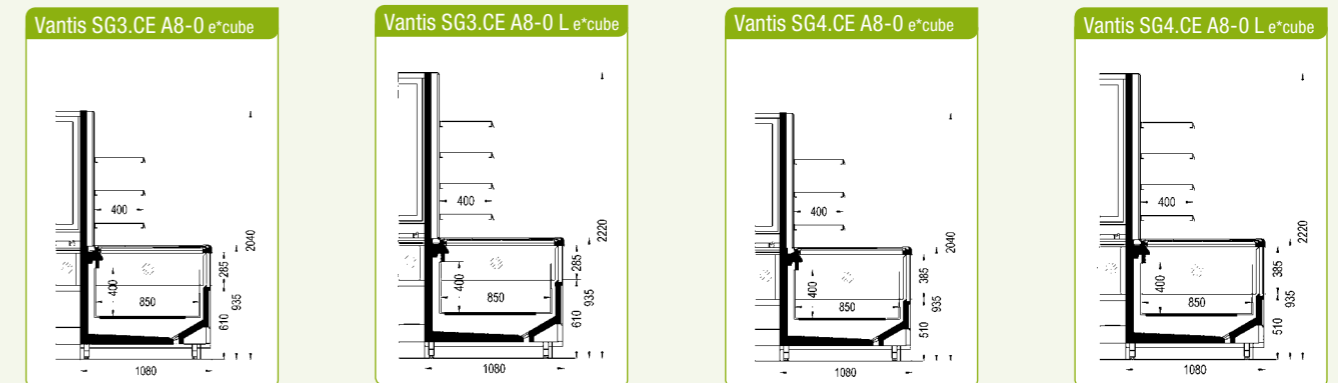
Vantis AF.e*cube straight case: Case height 2,040 mm or 2,220 mm, facing glass height approx. 300 mm or 400 mm



Vantis AF.e*cube crown ends (CE): Case height 2,040 mm or 2,220 mm, facing glass height approx. 300 or 400 mm



Vantis AF.e*cube CE (dry upright section): Height 2,040 mm or 2,220 mm, facing glass height approx. 300 or 400 mm



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Complete & Sustainable Refrigeration Solutions for Food Retailers

Project Planning

- Display cabinets to maximize merchandising opportunities
- Energy and environmental impact consulting and analysis
- Optimal refrigeration technology solutions for each store type
- Complete project design and documentation

Product Development & Manufacturing

- Next-generation display cabinets to help increase sales
- Advanced refrigeration technology and integrated systems
- Energy-efficient solutions for the system lifecycle
- Sustainable natural refrigerant technologies



Lifecycle Care

- Preventative maintenance program
- 24/7 call center and service assistance
- Remote monitoring to ensure optimized performance
- System modernization for improved efficiency

Installation

- Approach tailored to unique customer requirements
- Experienced teams with standard work processes
- A focus on quality throughout the process
- Limited on-site time for minimal business disruption



Carrier Commercial Refrigeration is a leading supplier of high-efficiency turnkey refrigeration systems and services in the food retail industry.

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