



**COOL
CENTER**

CoolCollect® Indoor Amiral

Cooler and Freezer locker modules

A safe and flexible solution for delivering
food ordered online



CoolCollect® Amiral locker modules

CoolCollect® Amiral cooling and freezing locker modules create a stylish pick-up automat for grocery online shopping.

For cooler module there are 9 / 12 / 15 lockers available (1 or 2 boxes per locker) and for freezer module 10 / 14 lockers.

As the basis of Amiral product development is to reach maximum number of cooling and freezing lockers with one machinery.

The modules can be positioned freely - modules can be installed in a straight line, at an angle, on separate walls or the rear walls opposite to each other.

Each Amiral plug-in module operates with its own cooling cassette machinery (refrigerant R290).

Amiral automat has a remote temperature monitoring and registration system which makes operation and maintenance easier. Regular maintenance program provided by the manufacturer is also available.



Manufacturer reserves the right for changes.

Starting points for the design

Flexibility

- Separate cooler and freezer modules make it possible to create a single-temperature zone automat, if needed
- Ratio between cooling and freezing lockers is flexible
- Element structure enables more efficient manufacturing process
- Cast element structure offers possibility for customization. The maximum dimensions of element 1250*2500, thickness 60 mm)
- Depending on haulage route, modules are delivered as complete modules or alternatively the cassettes can be installed only on installation site.

Functionality

- Effective fan assisted cooling ensures stable temperatures in all lockers
- Energy efficiency
- Minimizing the number of cooling cassettes - maximum number of lockers are chilled with one cooling cassette.
- Maximizing the use of space with high modules and enabling various installation configurations
- Effective hot gas defrosting in freezer modules
- Lockers with self-closing doors and mechanism to keep door unclosed during filling
- Doors equipped with stepless door spring adjustment (or springs are removable).

Serviceability

- Cooling cassette is changeable without tools
- Condenser is easy to clean
- Tear and wear parts such as door gaskets and doors are easy to change
- Movable with pump carts sideways and widthwise
- Robust, adjustable legs underneath, adjustment range 90-120mm

Modern design

- Stylish industrial design
- Integrated locker handles
- Clearly visible indicator light in lockers
- Matte paint with a structural surface in exterior, interior parts bright white color.

CoolCollect® Amiral pick-up automat

Customer can create a unique Amiral -pick up automat by combining needed amount of plug-in locker modules. User software is configured based on each customer's automat. Software supplier's hardware and user touch screen are installed in UI-module.

Main features

- Separate plug-in cooler, freezer, and user interface modules
- User interface module with touch screen
- Cooler locker dimensions are designed to meet the standard measures of retail collecting boxes, but also suit for bags
- Exterior frame color structural painted dark grey, inner surfaces always white with smooth surface painting
- Electronic temperature adjustment
- Optimum temperatures pre-set at the factory
- Remote temperature control and registration
- Possibility to connect to external alarm system (potential-free NO information)
- Self-closing doors
- All doors with hold-open mechanism
- LED-lights in doors
- One cooling cassette per module located on top.
- Plug-in structure
- Natural refrigerant R290



Accessories

- Color of locker doors. N.B. minimum order quantities for customized colors
- Smooth semi-gloss external frame color
- Locker number identification
- Customized graphics (taping) or decorative materials (e.g. wood)
- Customized touch screen with customer specific colors or logo
- Additional user languages
- Opening function for pick-up point entrance door
- Manufacturer's scheduled maintenance program
- Manufacturer's temperature monitoring report
- 2 neutral lockers in user interface module



Customer-driven needs taken into account

Depending on the size of customer orders to be delivered, the need for locker size can vary remarkably.

- Cooler module is with 9, 12 or 15 lockers
- The size of cooling locker is designed for one or two boxes / bags.
- Freezer module is with 10 or 14 lockers
- User interface module can be equipped with two neutral lockers as an option



Big cooler locker is equipped with wire shelf. Shelf can be removed when necessary, allowing bigger products to be loaded.

All locker doors have a hold-open mechanism, which makes it easier for staff to fill and for customers to pick up.

Important factors affecting the smooth flow of customers pick-up process are the location of the automat, easy use and brand visibility.

- Locker modules have wide, easy-to-tape uniform surfaces
- Locker doors are with integrated handles
- Door indicator lights are well visible
- E.g. wood imitating printing can be used for a more restrained look
- As a standard, structural matte paint is used for exterior frame. Alternatively semi-gloss paint with smooth surface can be used. Paint with a smooth surface is optimal in case the automat is over-taped.



In addition to the locker indicator light the user terminal clearly guides the customer to the correct locker. Standard languages available FI/EN/SE.



Safe food supply chain

Each automat is equipped with a cooling control unit.

- The cooling control unit ensures continuous remote connection of factory maintenance to the equipment. With the help of a remote connection, the manufacturer can monitor and control the operation of the automat.
- The cooling control unit alarms if the operation of the automat deviates from the set limit values. The alarms are automatically directed to the manufacturer's service, in addition to which the alarms can be connected to the customer's own alarm system.
- The cooling control unit has a readiness for temperature monitoring. It is recommended that the automat is connected to its own separate cooling control system.
- Possibility to be a part of the manufacturer's maintenance program, ensuring uninterrupted operation of the pick-up point



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Amiral-modules

Dimensions of standard modules

Coolers +4...+6°C

- Amiral C15
- Amiral C12
- Amiral C9

W 1470 H 2416 D 802 mm

15 lockers
12 lockers
9 lockers

Freezers -18...-20°C

- Amiral F14
- Amiral F10

W 980 H 2416 D 802 mm

14 lockers
10 lockers

User interface

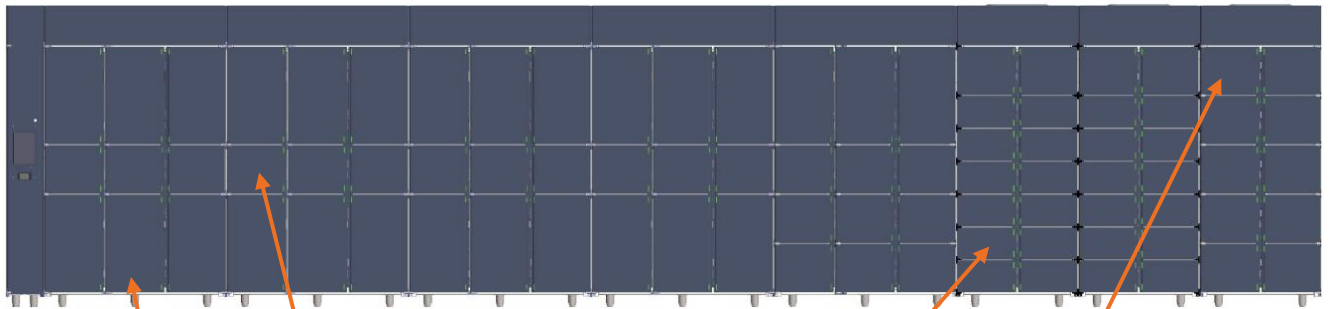
- Amiral UI

W 300 H 2416 D 802 mm



Dimensions of lockers

Modules contain different locker sizes. Lockers are optimal for boxes (size W350 D500 H260) or bags.



Big cooler locker with removable shelf has space for two boxes.

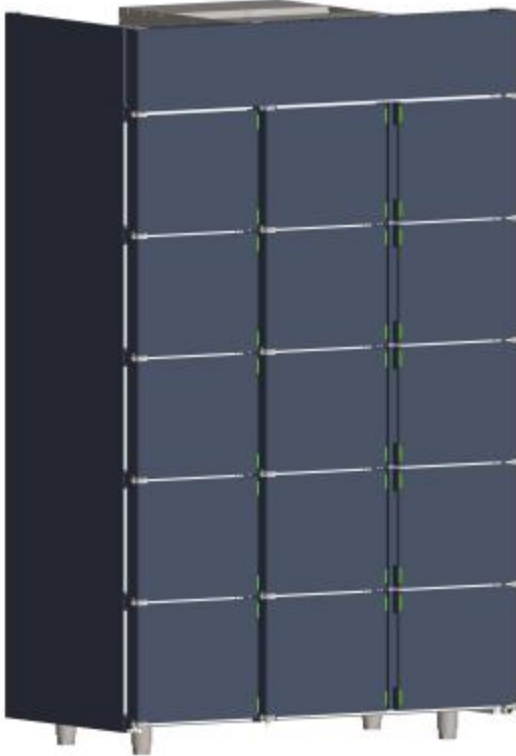
Small cooler locker has space for one box.

The volume of freezer lockers is optimized for the most common frozen foods. E.g. pizza boxes fit well in the locker.

Big freezer locker offers space for one box if necessary.

Technical features, Cooler

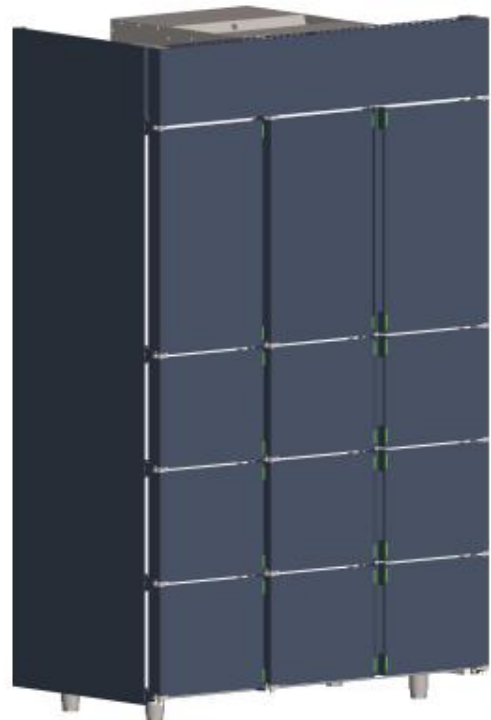
Amiral C15



Width (mm)	1470
Height (mm)	2416 (free space required for installation 2600)
Depth (mm)	802
No of lockers	15 pcs
Dimensions of locker doorway LxH (mm)	370 x 305
No of boxes	15 x 1 box
Temperature °C	+4...+6°C
Type of Cooling	fan assisted
Type of Defrost	automatic
Refrigerant	R290 (plug-in)
Lock	magnetic
Type of Controller	electronic
Voltage / Frequency	220-240V / 50 Hz
Energy Consumption	4 kWh / 24 h (estimate)
Fuse	16 A (plug-in)
Climate Class	3
Color	Exterior: grey RAL7015FT (structure paint) Interior: white RAL9003

Amiral C12

Width (mm)	1470
Height (mm)	2416 (free space required for installation 2600)
Depth (mm)	802
No of lockers	12 pcs big 3 pcs, small 9 pcs
Dimensions of locker doorway LxH (mm)	big 370 x 700 small 370 x 305
No of boxes	15 boxes, 3 x 2 boxes, 9 x 1 box
Temperature °C	+4...+6°C
Type of Cooling	fan assisted
Type of Defrost	automatic
Refrigerant	R290 (plug-in)
Lock	magnetic
Type of Controller	electronic
Voltage / Frequency	220-240V / 50 Hz
Energy Consumption	4 kWh / 24 h (estimate)
Fuse	16 A (plug-in)
Climate Class	3
Color	Exterior: grey RAL7015FT (structure paint) Interior: white RAL9003



Amiral C9

Width (mm)	1470
Height (mm)	2416 (free space required for installation 2600)
Depth (mm)	802
No of lockers	9 pcs big 6 pcs, small 3 pcs
Dimensions of locker doorway LxH (mm)	big 370 x 305 small 370 x 305
No of boxes	15 boxes, 6 x 2 boxes, 3 x 1 box
Temperature °C	+4...+6°C
Type of Cooling	fan assisted
Type of Defrost	automatic
Refrigerant	R290 (plug-in)
Lock	magnetic
Type of Controller	electronic
Voltage / Frequency	220-240V / 50 Hz
Energy Consumption	4 kWh / 24 h (estimate)
Fuse	16 A (plug-in)
Climate Class	3
Color	Exterior: grey RAL7015FT (structure paint) Interior: white RAL9003



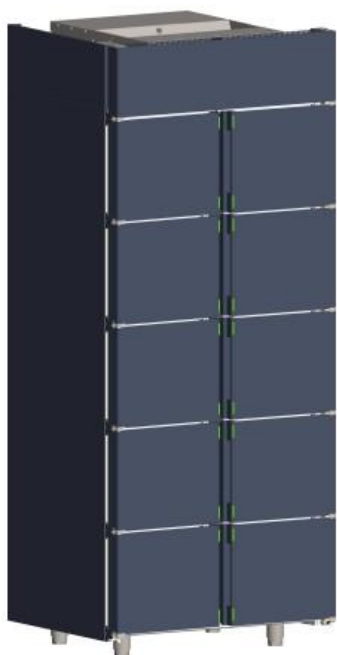
Technical features, Freezer

Amiral F14



Width (mm)	980
Height (mm)	2416 (required free space for installation 2600)
Depth (mm)	802
No of lockers	14 pcs big 2 pcs, small 12 pcs
Dimensions of locker doorway LxH (mm)	big 370 x 305 small 370 x 173
No of boxes	2
Temperature °C	-18...-20°C
Type of Cooling	fan assisted
Type of Defrost	automatic hot gas
Refrigerant	R290 (plug-in)
Lock	magnetic
Type of Controller	electronic
Voltage / Frequency	220-240V / 50 Hz
Energy Consumption	7 kWh / 24 h (estimate)
Fuse	16 A (plug-in)
Climate Class	3
Color	Exterior: grey RAL7015FT (structure paint) Interior: white RAL9003

Amiral F10



Width (mm)	980
Height (mm)	2416 (required free space for installation 2600)
Depth (mm)	802
No of lockers	10 pcs
Dimensions of locker doorway LxH (mm)	370 x 305
No of boxes	10
Temperature °C	-18...-15°C
Type of Cooling	fan assisted
Type of Defrost	automatic hot gas
Refrigerant	R290 (plug-in)
Lock	magnetic
Type of Controller	electronic
Voltage / Frequency	220-240V / 50 Hz
Energy Consumption	7 kWh / 24 h (estimate)
Fuse	16 A (plug-in)
Climate Class	3
Color	Exterior: grey RAL7015FT (structure paint) Interior: white RAL9003

Technical features, UI (User Interface)

Amiral UI (User Interface)

Width (mm)	300
Height (mm)	2416
Depth (mm)	802
	1 lockable cabinet, left-handed including automation equipment and configured programming
Display	10" multi touch screen, including 3 user languages (FI/SE/EN)
Barcode / QR-code reader	Yes
Temperature Control	yes, control unit XWEB500EVO 100adr. 230 Vac*)
Alarms	yes, readiness to connect to a separate temperature monitoring system
UPS	yes, readiness to connect to UPS
Opening of front door	yes, the function can easily be connected to its own port
Connection	220-240V / 50 Hz, RJ45 wired internet
Energy Consumption	1 kWh / 24 h (estimate)
Fuse	10 A
Climate Class	3
Color	Exterior: grey RAL7015FT (structure paint)
Option	2 neutral lockers under touch screen

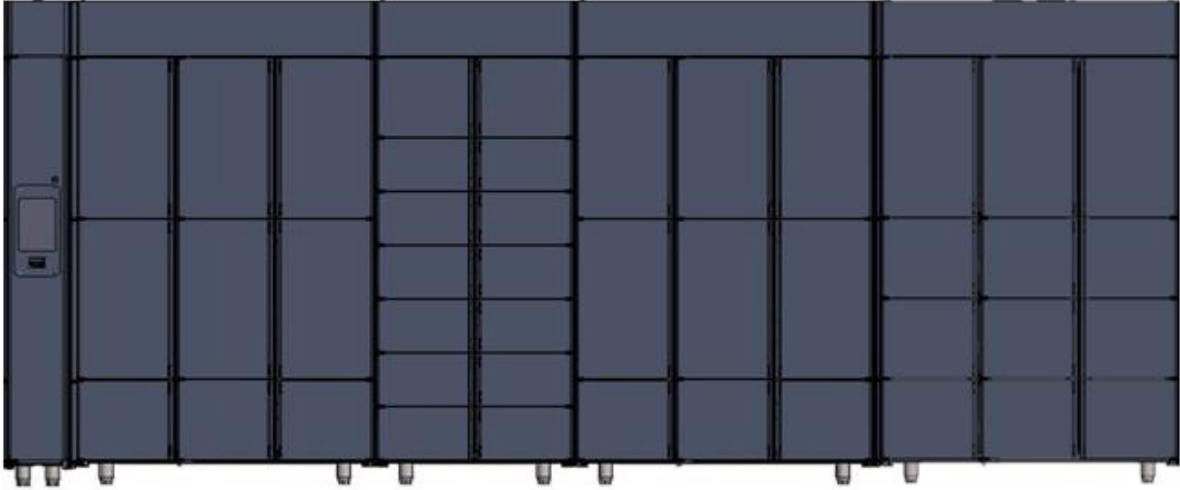


**) The control/monitoring unit collects data for temperature monitoring*



**Combine different modules for creating your individual automat.
Additional modules can be added afterwards, if more capacity needed.**

The recommendation is approximately 50 - 60 doors per user terminal to prevent congestion at the user terminal.

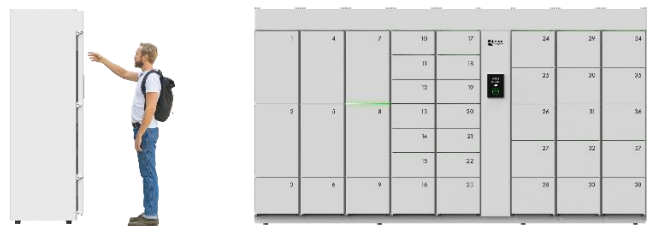


*In the picture above is from left to right are Amiral modules: UI, C9, F14, C9, C12.
Total capacity of this automat is 45 boxes and 14 freezer lockers.
Automat is optimal in size, when usual customer order contains 3-4 boxes + frozen foods.*

Make the most of the available installation space



...lockers can also locate separately of each other



The modules can be installed against the wall or free standing on the middle floor. The combination can be positioned in a straight line, at an angle, at a distance from each other or back-to-back.

If automat is located in closed area, the door lock opening code can be easily synchronized with customer's collecting code. This allows the customer to enter the closed pickup area with the same pickup code as picking up the products.

Manufacturer reserves the right for changes.

Pick-up point can be customized with taping

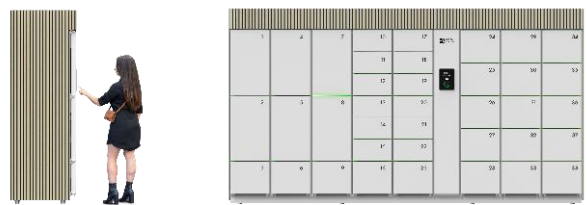


The surfaces of the modules are a uniform surface to be taped, which makes it easy to build an impressive brand look on them and makes taping work easier.

...or with different exterior colors



...or with different decorative materials

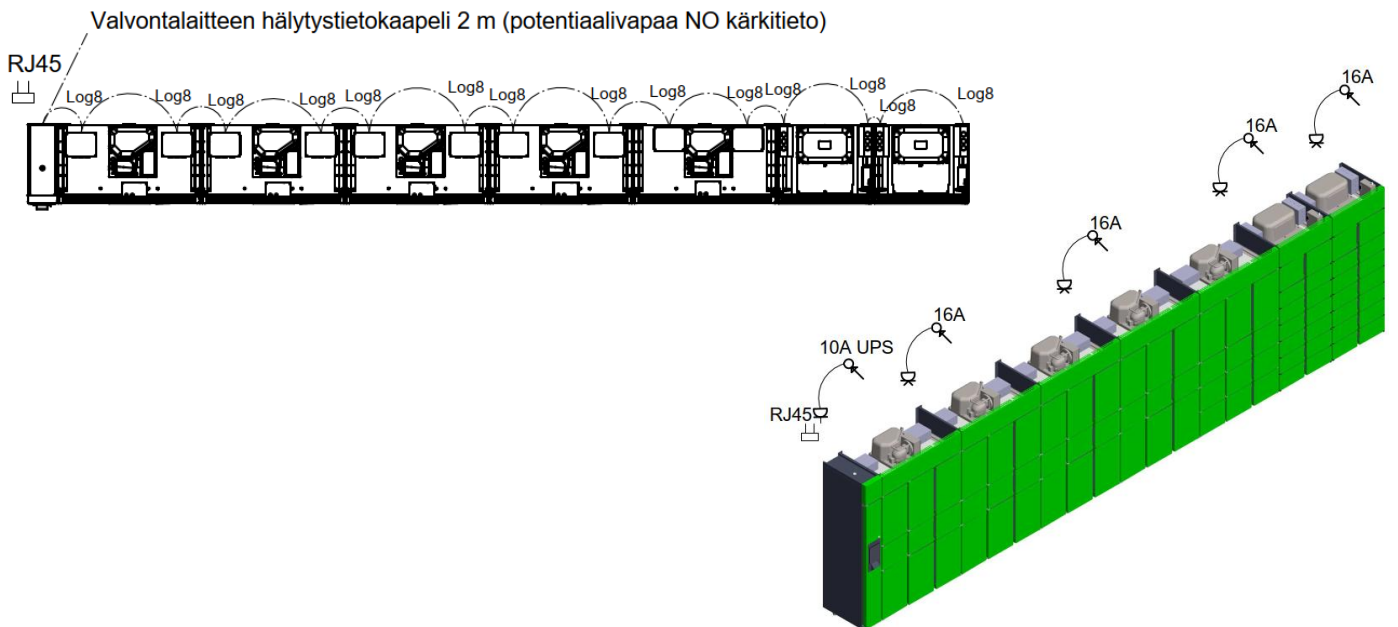
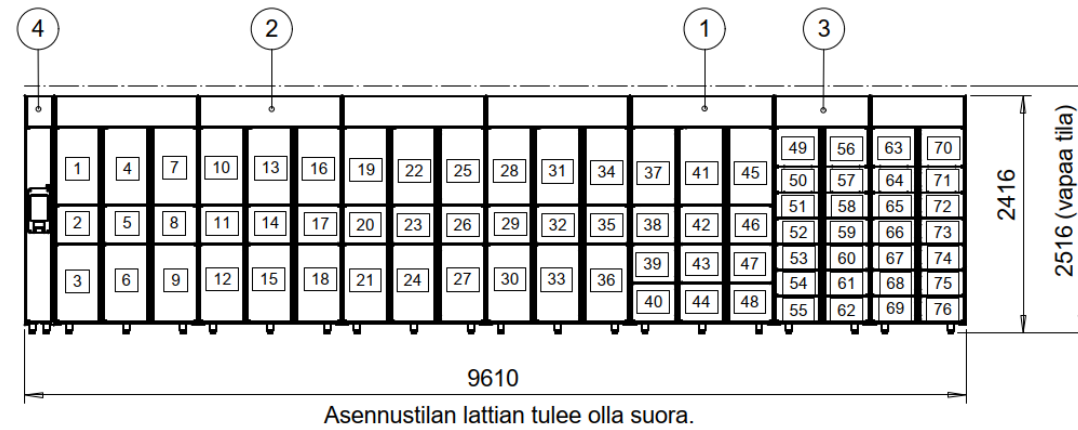


Manufacturer reserves the right for changes.

Manufacturer provides individual installation drawing to each location

With the manufacturer's site-specific installation drawing and instructions, it is easy to prepare the installation site.

Example:



Design and manufacturing in Finland



Manufacturer reserves the right for changes.

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