

Topvex False Ceiling - Counterflow

Easy. Quick. Compact.





If Topvex False Ceiling units are the answer, what is the question?

HVAC Consultant: Is there a compact AHU that's easy to fit or retrofit into my customer's building? There's no fan room and the space does not allow for floorstanding AHUs.

HVAC Installer: I need an AHU that offers easy transportation and installation, with control via an app, yet still meets the performance specs?

Building owner: I want an AHU with low energy consumption and minimal maintenance?

End user: Is there an AHU that requires no floor-space and will give me comfort and performance with low running cost?

Answer: The compact Topvex False Ceiling range. It's all you need!



EASY. Simple selection and installation. Easy to connect configure and control via our latest Access control system – now with wireless communication!

QUICK. Wide range of standardised units available for fast delivery. Can be installed and started up quickly.

COMPACT. Easy to fit or retrofit into the building. Minimum space required. Smooth delivery. Sustainability in all aspects of packaging, delivery and logistics.

It's all you need!

topvex

SELECT

Select your Topvex
directly on our website



INSTALL

Smart, ergonomic delivery
makes installation easy



We've taken Topvex to a whole new level

Up to the ceiling in fact! Since in most buildings floorspace is at a premium, our innovative Topvex false ceiling units (Topvex FC) are a cost-effective, space-saving choice for a comfortable indoor climate. **Easy to select** on our website, Topvex are suitable for premises from 300 to 1,500 square meters and are available in a wide range of sizes.

Topvex FC units are equipped with counterflow heat exchangers. They offer good energy efficiency and low running costs, and have all the power you need. Their compact, flat design allows **easy installation** in ceiling voids and transporting them through doors and corridors poses no problems.

Best of all, the Topvex FC range features **Systemair's Access control system with wireless communication**. Connect, configure and control the Topvex units via an app on your computer, smartphone or tablet. It doesn't get much better than that!

CONTROL

New! Access controls with wireless communication





Looking for value for money?

You've found it!

Topvex FC



We continuously gather feedback from consultants and installers in the HVAC sector in order to develop solutions that will make our customers' daily work easier. Our new Topvex FC range is a good example. They take you to the next level of quality and offer real value for money!

WHAT'S SO DIFFERENT ABOUT TOPVEX FC?

Access control system with wireless communication

Installed in the ceiling void, the AHU can be connected, configured and controlled via an app on your computer, smartphone or tablet. It is not necessary to physically reach the AHU to interact with it. This also makes installation and start-up easier.

One-stop-shop

Topvex FC units come in a wide range, from small to big capacities, so you'll easily find the right unit(s) for your project. What's more, they are part of an even wider range of Topvex products, including floorstanding models. So if you're procuring air handling units for a larger project, Systemair is your one-stop-shop!

#topvex

TOPVEX FC UNITS SOLVE THE SPACE PROBLEM

- Compact, flat design allows easy installation in ceiling voids
- Ideal for small to mid-sized premises, including apartment blocks, offices, schools, shops, and light industrial premises



Topvex FC



Topvex FC - features, benefits

#topvex

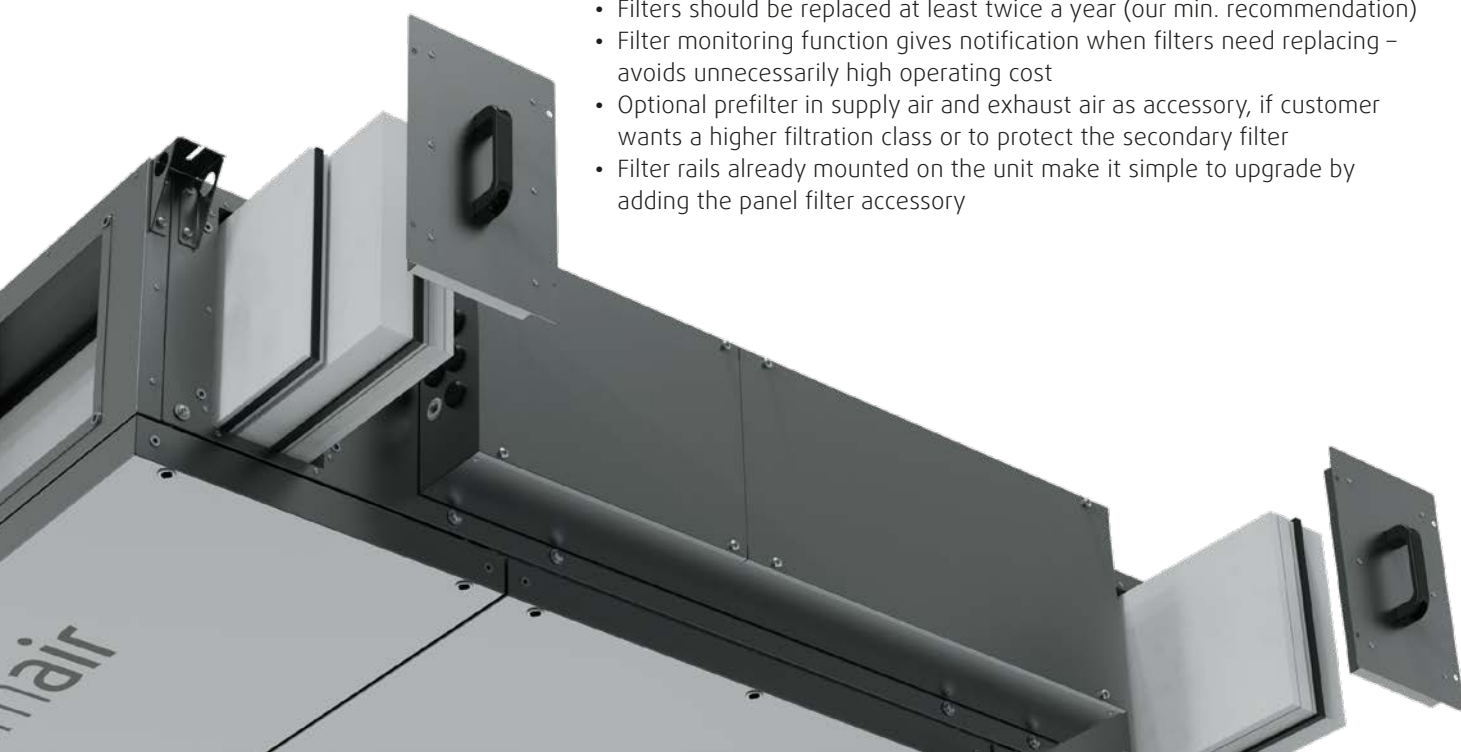
Designed for easy connection

- Externally mounted connection box, housing all cables and electrical devices, allows quick, easy connection
- No need to open the unit in standard situation
- Connection box has two lids, one for connection of power supply and accessories, one for internal components (such as diff. pressure sensors, etc.)
- Internal Modbus communication as default
- Side mounted Quick Connector (RJ-45) for external HMI or ethernet cable for connection to BMS system



Filters – easy access for simple maintenance

- Access for filter maintenance from bottom and side of the Topvex FC unit
- Filters should be replaced at least twice a year (our min. recommendation)
- Filter monitoring function gives notification when filters need replacing – avoids unnecessarily high operating cost
- Optional prefilter in supply air and exhaust air as accessory, if customer wants a higher filtration class or to protect the secondary filter
- Filter rails already mounted on the unit make it simple to upgrade by adding the panel filter accessory



Topvex FC



#topvex



Smooth easy temperature control

- Heaters with stepless control
- No heater inside thus faster, simpler maintenance, if needed. No need to access the unit
- 2 smaller sizes 230 V for single phase connection
- 2 bigger sizes 400 V for three phase connection

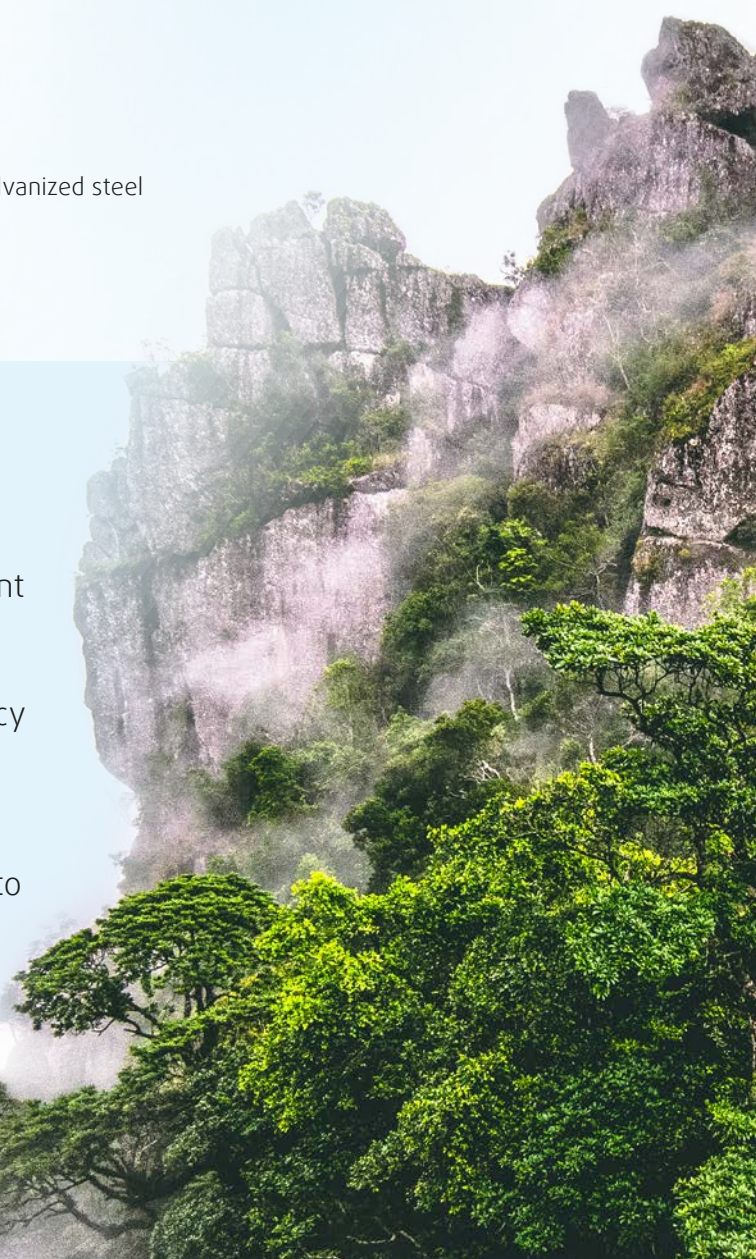
New casing offers sustainability

- Casing in Magnesium Zinc/MgZn 310 (recycled steel)
- Outstanding corrosion resistance: three times better than galvanized steel
- Alloy's self-healing effect ensures excellent edge protection
- Environmentally friendly



GOOD ENERGY EFFICIENCY, IMPRESSIVELY LOW NOISE LEVEL

- Designed for very low SFP and convenient pressure in the duct systems
- Low energy use of the fan gives good performance in terms of energy efficiency
- Low running costs
- Casing thickness 50 mm, keeps noise level low
- Avoids disturbing inhabitants or visitors to the building



Flexibility through accessories

While the Topvex False Ceiling unit is the core product, flexibility is ensured by a long list of accessories which take the Topvex FC range to the next level.

Find these on our webpage or in our selection tool, the Systemair Configurator.

#topvex

NEW ACCESSORIES

1 Duct transition

Your duct connection never was easier. Our FC units have a default square connection, however, you can add the proper adaptor.

2 Condensate pump (electrical)

Condensate water pump. The slim units were the main concept for this product, that's why forget the classic water lock and connect the perfect accessory to remove water from the unit in case of condensation.

1



2



1



STANDARD TOPVEX ACCESSORY PORTFOLIO

1 Duct cooler

2 ZTV 2-way valve

3 RVAZ4 24A Actuator

4 Air damper

The entire Topvex accessory portfolio is available for the False Ceiling range adding flexibility to the ventilation solution.

2



3



4

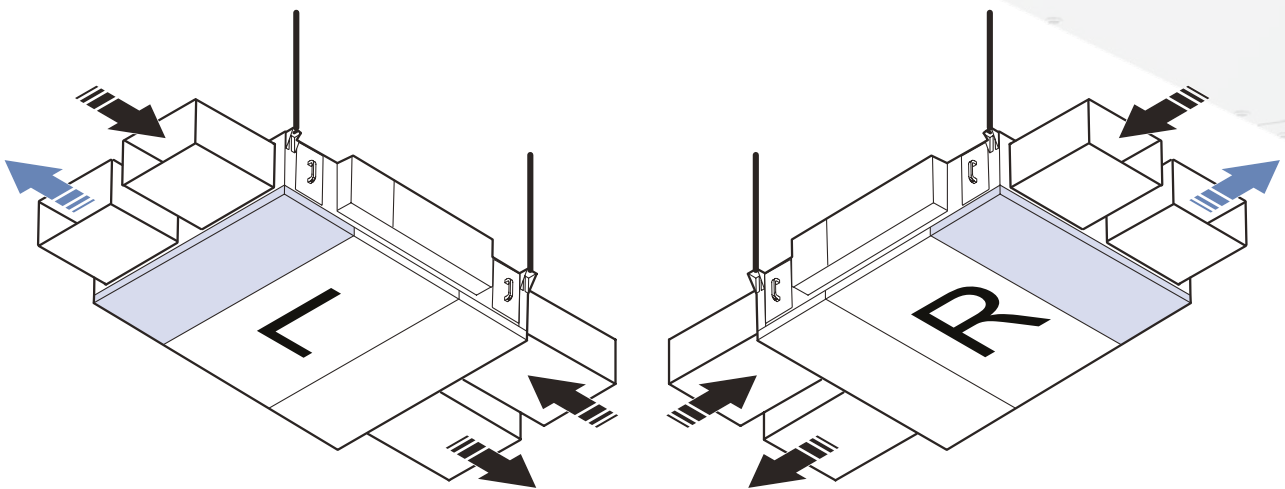
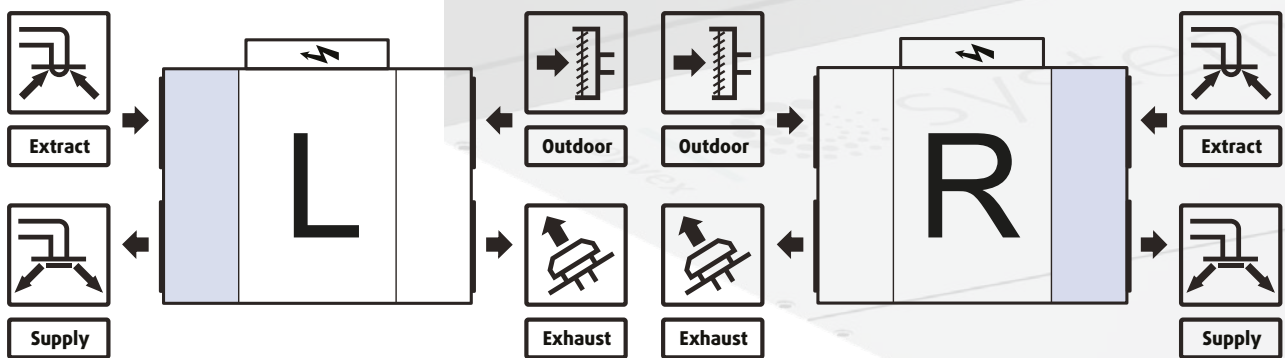


• TOPVEX ACCESSORIES •

TWO VARIANTS

Here, there, anywhere!

Allowing different positions or situations within the ceiling and ceiling restrictions.



Energy consumption or comfort – the user's choice!

Our Topvex FC units enable bypass defrosting when outside temperatures become more challenging.

Fans with low energy consumption, high heat recovery over 80% efficiency, dry, and no compromise on filtration.

Access

Topvex FC - Access Control system

Now with wireless communication!

While the Access Control System is the common platform for all Topvex models, the upgraded version installed in Topvex False Ceiling units is the first with wireless communication! Just download our user-friendly Access App on any IOS or Android device. You can then connect, configure and control the Topvex FC via the intuitive menu structure using the icons on the control panel. Thanks to Access, you don't need to be an expert to get optimum performance from your Topvex FC.

#topvex



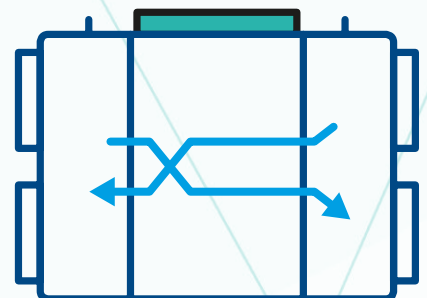
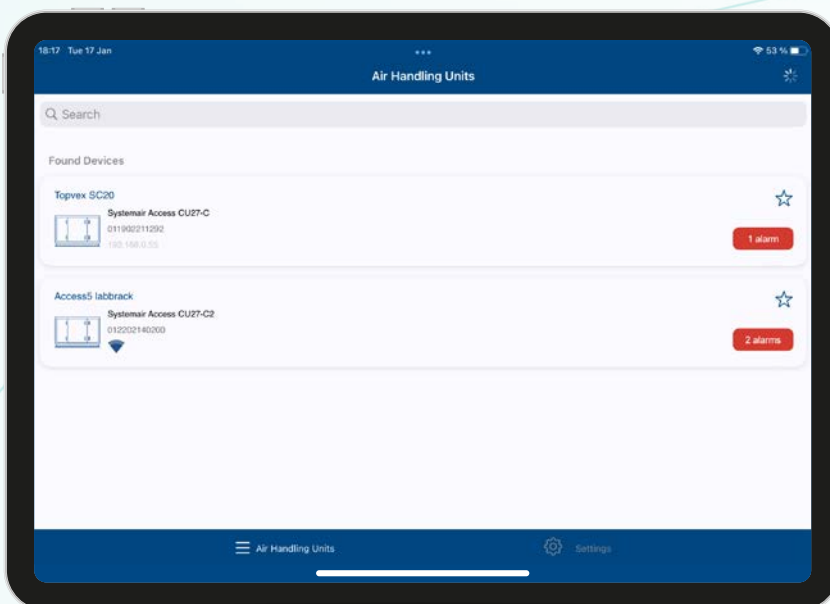
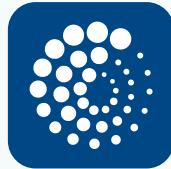
Download our user-friendly Access App

Designed for IOS and Android, the App automatically activates WiFi and BLE (Blue Tooth Low Energy) on any IOS or Android device.

Bluetooth technology is integrated for easy "identification and pairing" of the device and the AHU. WiFi, with its higher data capability, for data transfer provides the best of both technologies. Combining WiFi and BLE in the Access control unit provides a robust plug-and-play solution.

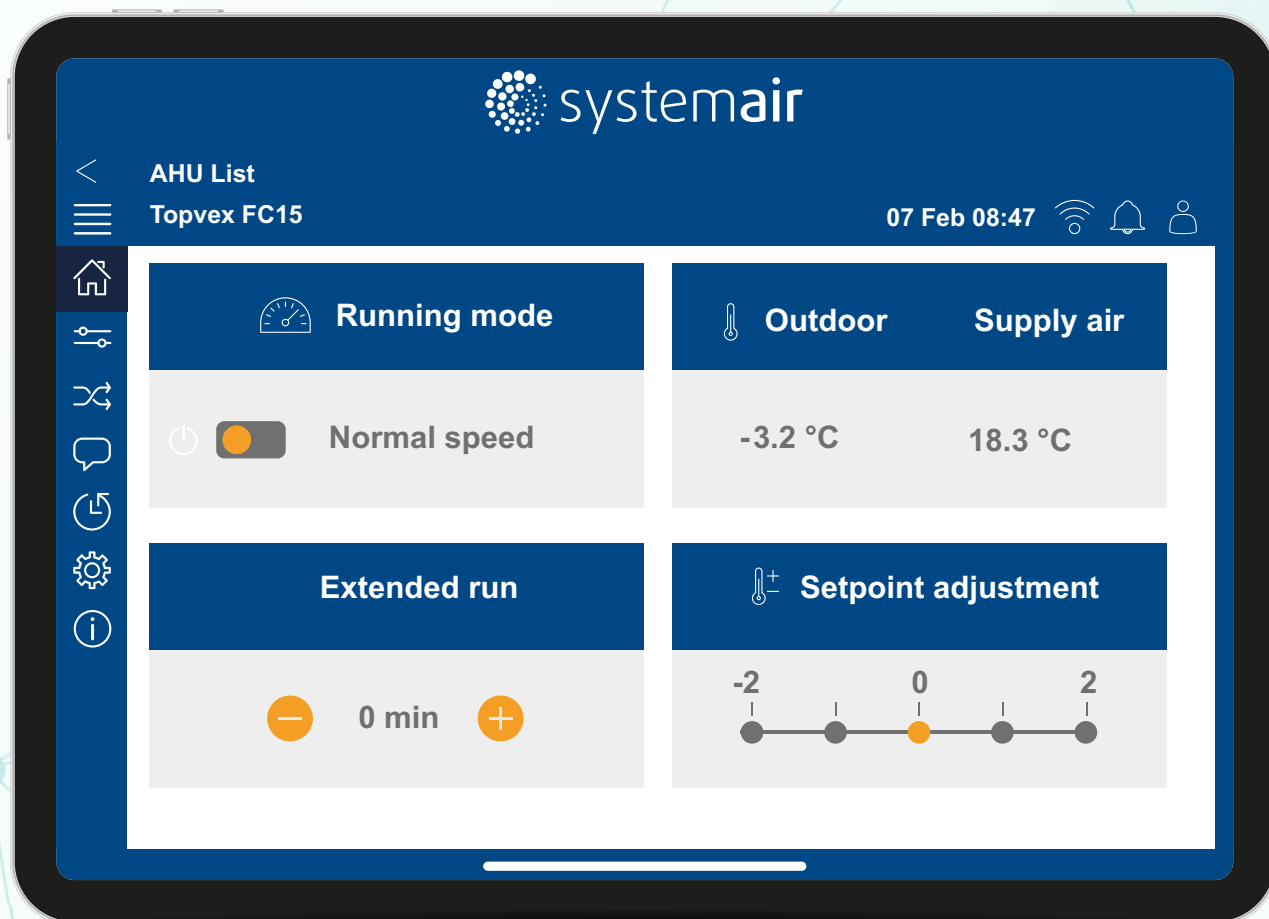


ACCESS CONNECT
by Systemair



UPGRADED ACCESS USER INTERFACE (UI)

The latest Access display offers improved user experience, visibility and contrast. Monitor and control your Topvex FC by navigating the intuitive, logical menu structure via icons on the display.



BACnet fully integrated

The primary protocol in the latest Access is BACnet B-BC. This provides rich functionality and a user friendly graphical presentation.

Time schedules

Intuitive graphical user interface with flexible scheduling possibilities makes it easy for the user to plan and schedule the operation of the air handling unit.

NaviPad handheld controller

If you prefer a physical HMI the Access NaviPad Control panel is available as an accessory for the Topvex False Ceiling product range. The Access NaviPad control panel is designed and built for industrial use and can control several air handling units.

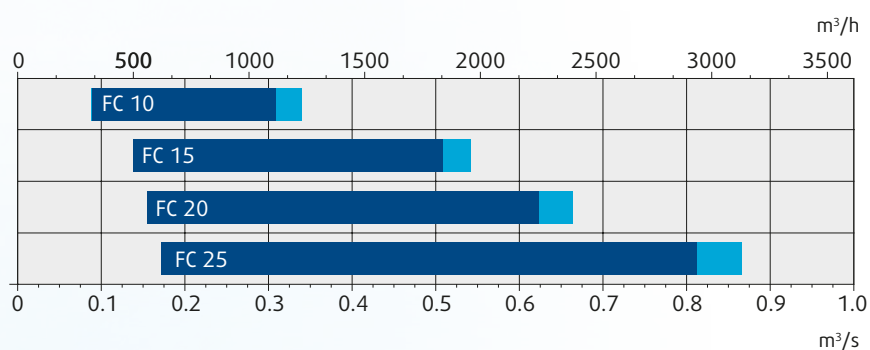
Overview



#topvex

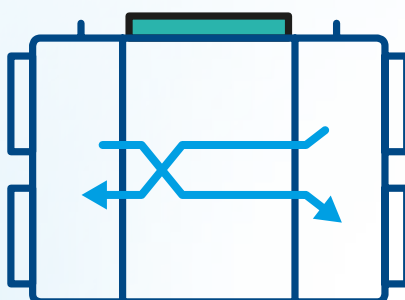
Technical data

Min./max. airflow



● Airflow at 150 Pa external pressure drop

● Airflow at 0 Pa external pressure drop



Topvex FC - Counterflow
False Ceiling series with counterflow heat exchanger for indoor installation.

Overall product measurements

Side connection	Duct size	Width [mm]	Height [mm]	Depth [mm]
FC 10	400x200	1700	360	1030
FC 15	500x250	1800	401	1400
FC 20	500x250	1900	484	1490
FC 25	600x350	2200	598	1450

Notes



Unique scannable code in each unit that gives users access to technical documentation and the spare parts list. This relates to operation and maintenance instructions, declaration documents, wiring diagram, etc. By scanning the scannable code, you can digitally download the documentation for the unit.

The image displays a 10x10 grid of colored squares. The grid is divided into four quadrants by a vertical line at column 5 and a horizontal line at row 5. The colors of the squares are as follows:

- Top-Left Quadrant (Columns 1-4, Rows 1-4):** All squares are white.
- Top-Right Quadrant (Columns 6-10, Rows 1-4):** All squares are light green.
- Bottom-Left Quadrant (Columns 1-4, Rows 6-10):** All squares are light blue.
- Bottom-Right Quadrant (Columns 6-10, Rows 6-10):** All squares are dark blue.

The grid is composed of 10 columns and 10 rows. The colors are distributed in a diagonal pattern across the grid.

