

Ceiling unit
TectoRefrigo

VIESSMANN

Intelligent refrigeration technology for efficient cooling



Heating systems
Industrial systems
Refrigeration systems ◀



Quality and energy efficiency are in the details

Take advantage of full refrigeration capacity and reduce costs with Viessmann ceiling units for refrigeration and deep-freezing.

As a leading manufacturer of innovative refrigeration solutions, Viessmann's new TectoRefrigo refrigeration unit series provides the refrigeration technology of tomorrow. The unit series combines efficiency, ecological energy efficiency and intelligent features in its new design. Our in-house production allows Viessmann to offer an ideal coldroom system.

TectoRefrigo comes in six output levels for medium temperatures with cooling capacities ranging from 700 W to 4,200 W, and is also available in six output levels for lower temperatures with cooling capacities ranging from 800 W to 4,100 W.

Even larger rooms are reliably and efficiently cooled at ambient temperatures of up to +42°C.

The optimal interplay of various technical innovations and the use of modern compressors make ceiling units from the new TectoRefrigo series extremely efficient. Low operating and life cycle costs are guaranteed over the entire service life.

Thanks to the sophisticated design of the cooling circuit and the housing, all relevant components can be accessed quickly and easily if necessary.

TectoRefrigo ceiling units meet level one of the EU F-gas regulation.



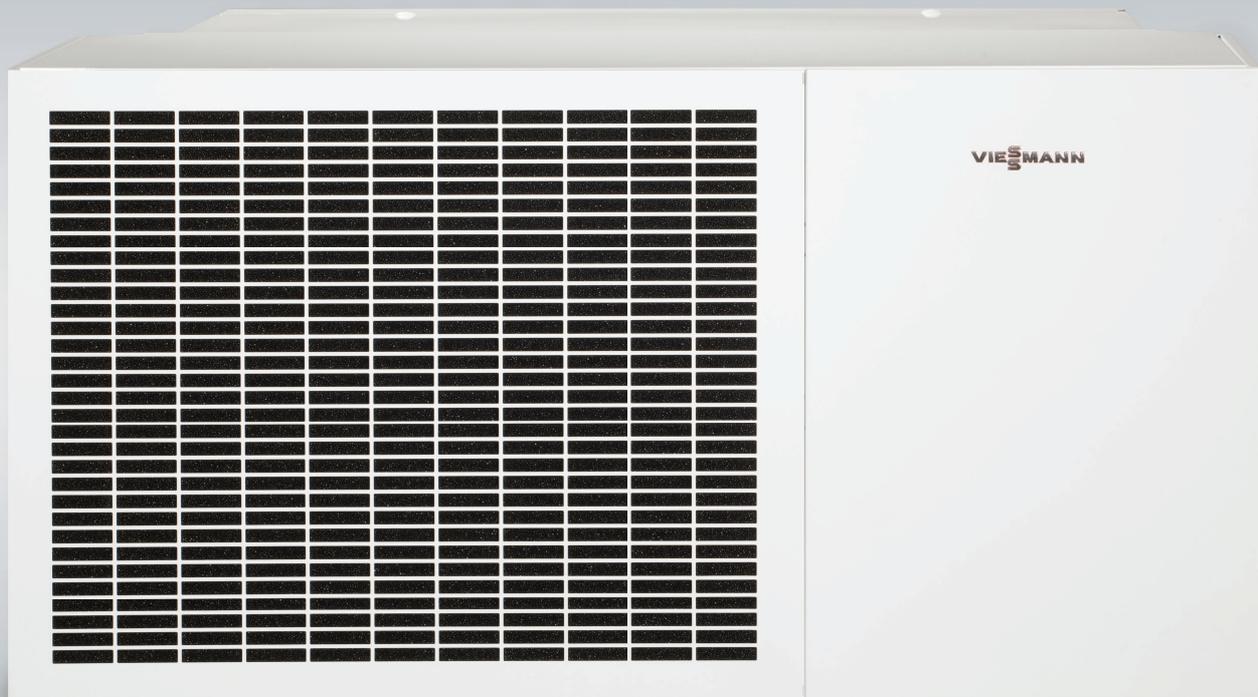
Take advantage of these benefits

- Unit design facilitates easy assembly and installation
- Low total cost of ownership thanks to enhanced system efficiency
- High-quality, robust unit design



Example: Touch control with magnetic holder

Technical specifications



Standard refrigeration	CMC1 0700	CMC1 0900	CMC1 1300	CMC1 1900	CMC1 3300	CMC1 4200
Size	1		2		3	
Coldroom temperature adjustment range	-5°C to +20°C					
Installation site	Indoor installation					
Cooling capacity at standard point*	700 W	900 W	1300 W	1900 W	3300 W	4200 W
Refrigerant	R134a					
Amount of refrigerant	1.1 kg	1.4 kg	2.3 kg	2.4 kg	4.2 kg	4.2 kg
Permissible ambient temperature	+10°C to +42°C					
Sound pressure level**	45 dB	45 dB	49 dB	56 dB	54 dB	58 dB
Mains connection	1/N/PE 230 V/50 Hz			3/N/PE 400V/50 Hz		
Evaporator fan air throw in coldroom	5 m		10 m		15 m	
Dimensions L x W x H (without fan box)	900 x 945 x 445 mm		1070 x 1035 x 550 mm		1530 x 1450 x 645 mm	
Ceiling cut-out dimensions	405 x 570 mm		450 x 740 mm		690 x 1200 mm	

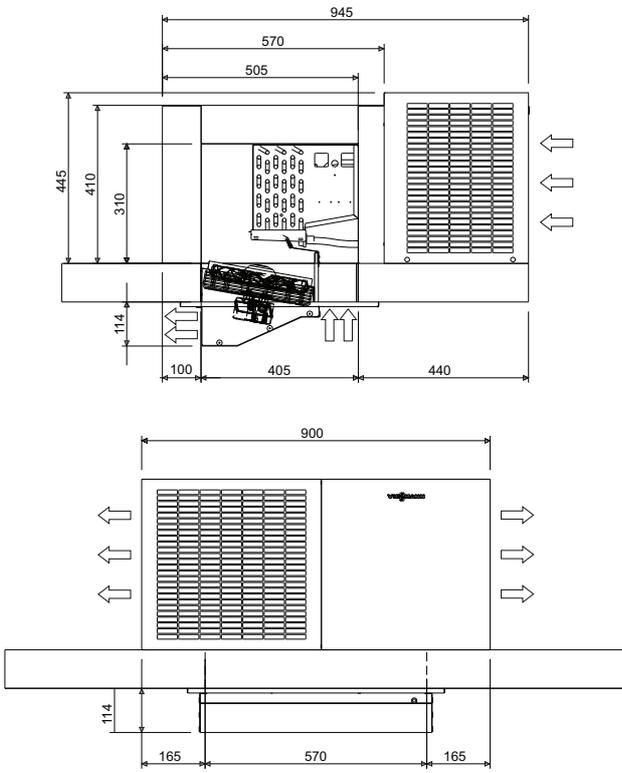
Deep freezing	CMF1 0800	CMF1 1100	CMF1 1300	CMF1 1700	CMF1 2900	CMF1 4100
Size	1		2		3	
Coldroom temperature adjustment range	-25°C to -5°C					
Installation site	Indoor installation					
Cooling capacity at standard point*	800 W	1100 W	1300 W	1700 W	2900 W	4100 W
Refrigerant	R407A					
Amount of refrigerant	1.1 kg	1.1 kg	2.6 kg	2.6 kg	4,8 kg	5.1 kg
Permissible ambient temperature	+10°C to +42°C					
Sound pressure level**	63 dB	65 dB	53 dB	56 dB	61 dB	60 dB
Mains connection	1/N/PE 230 V/50 Hz			3/N/PE 400V/50 Hz		
Evaporator fan air throw in coldroom	5 m		10 m		15 m	
Dimensions L x W x H (without fan box)	900 x 945 x 445 mm		1070 x 1035 x 550 mm		1530 x 1450 x 645 mm	
Ceiling cut-out dimensions	405 x 570 mm		450 x 740 mm		690 x 1200 mm	

* Standard points: Coldroom- L0°C/L32°C, deep-freezing rooms L 20°C/32°C, Values tolerance according to DIN EN 12900: 2013

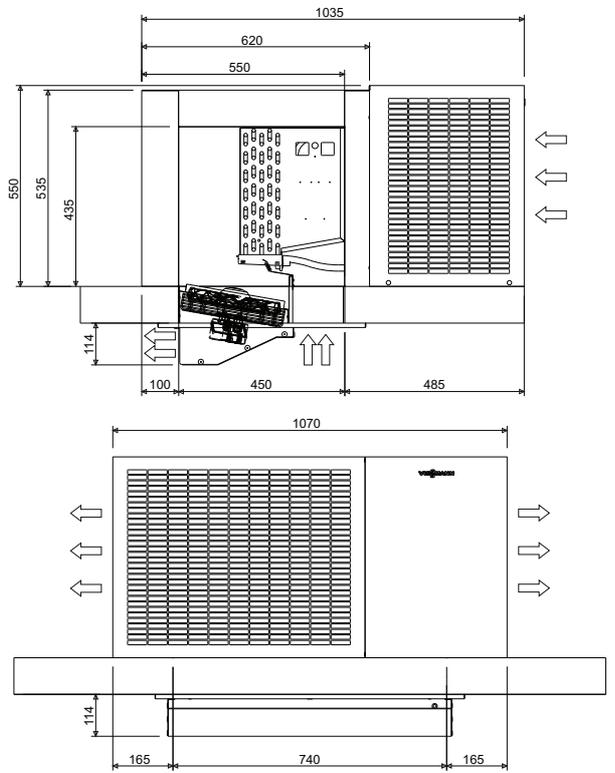
** A-rated sound pressure level, measured from a distance of 1 m. Depending on the spatial conditions and installation site, different sound pressure levels can be achieved.

Subject to modifications.

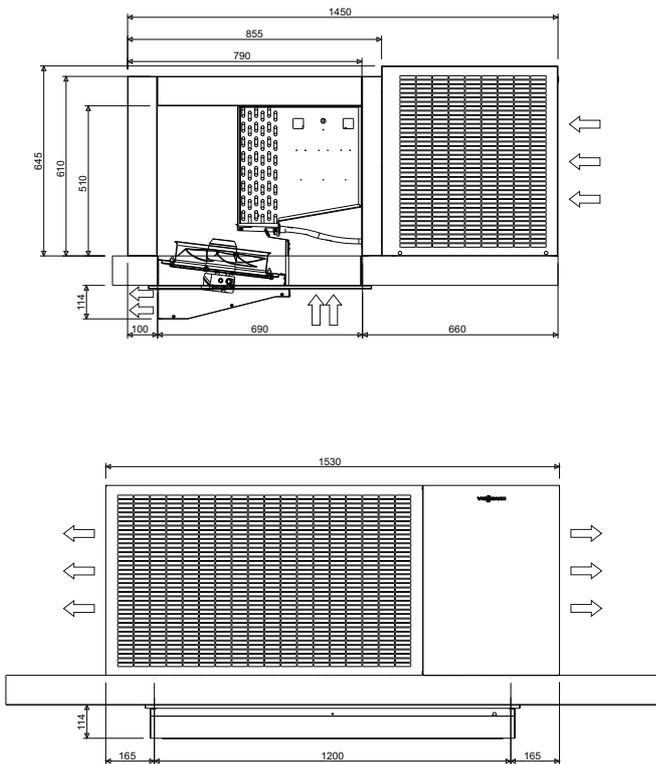
TectoRefrigo- Size 1 °C Coldroom -5 bis +20 / Deep-freezing room -25 to -5



TectoRefrigo- Size 2 °C Coldroom -5 bis +20 / Deep-freezing room -25 to -5



TectoRefrigo- Size 3 °C Coldroom -5 bis +20 / Deep-freezing room -25 to -5



Advantages



Energy efficiency

- High energy efficiency – based on comparable manufacturer performance statistics, cools up to 60% more cooling space than the market norm
- Energy-efficient fan on the condenser (speed controlled)
- Efficient and energy-saving hot gas defrost function

Product safety

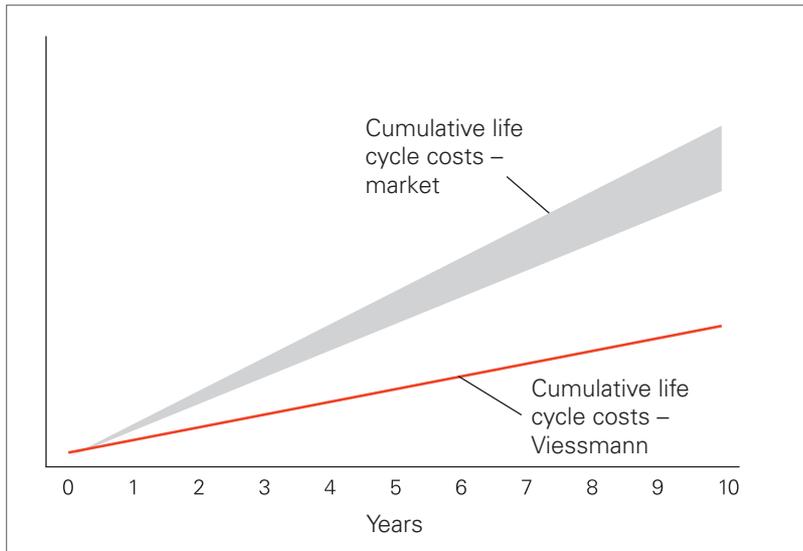
- Better and more consistent cold distribution throughout the refrigerator thanks to up to 50% higher air throws
- Cold room cut-out with 100 mm PUR casing around the evaporator to prevent thermal bridges
- Higher operational reliability even at high external temperatures
- Long-lasting SmartProtec antibacterial powder coating

User comfort

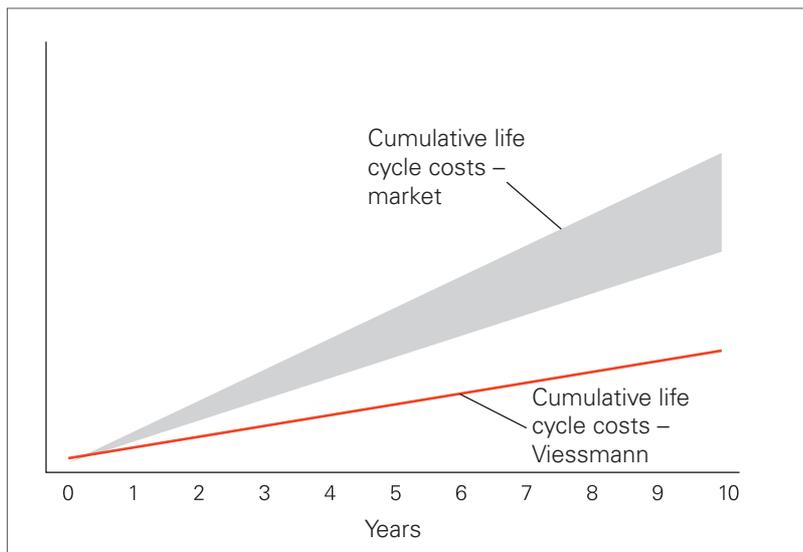
- User-friendly operation thanks to low noise levels
- Touch control with magnetic bracket
- Units comply with level one of the EU F-gas regulation

Extremely low life cycle costs thanks to high energy efficiency

Viessmann TectoRefrigo CMC1 4200 ceiling unit life cycle costs



Viessmann TectoRefrigo CMF1 2900 ceiling unit life cycle costs





Refrigeration systems
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