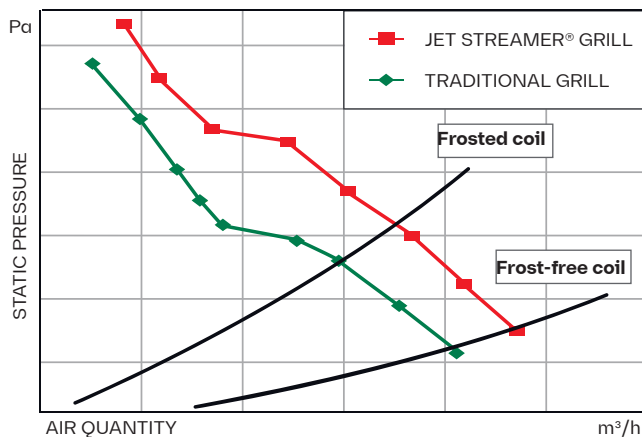


# Vantage FHC

## High Performance Cubic Commercial Air coolers



### General information and application

Compact commercial unit coolers designed for optimal conservation of fresh and frozen goods in commercial refrigeration and for efficient brine-based cooling in data center grey spaces.

**Refrigerants** HFC, CO<sub>2</sub>, Brine

**Capacities (SC2 with R404)** 1.45 up to 27.5 kW

**Air quantity** 900 up to 10,400 m<sup>3</sup>/h

### Top Advantages

- **Reliable performance** - Eurovent certified, independently tested.
- **Extremely low internal volume** - reducing refrigerant charge.
- Reliable, quiet, and energy efficient.
- Easy-access, easy-clean – fully accessible casing.

### Standard configuration

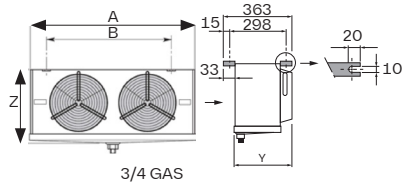
- Modular commercial air cooler in draw-through design.
- Copper tubes with **TURBOFIN** aluminium fins. Multiple fin spacing options (4.5 up to 12 mm).
- AC/EC fan motors with 275, 315 and 350 mm diameter, 1 to 4 fans per unit. Single speed EC fans for F27 models, dual speed or 0-10 V control input for F31 and F35 models.
- Corrosion resistant galvanized steel casing, epoxy-coated RAL 9003.
- **Jestreamer**: directional grill ensures uniform airflow through the coil, increasing air quantity even with frosted coils



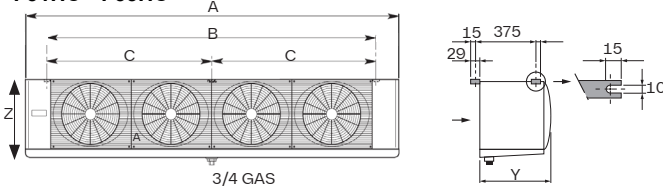
Scan for more  
information

## Dimensions

### F27HC



### F31HC - F35HC



## Options

- Electric defrost in coil (E)
- Electric defrost in driptray (DTH)
- Electric defrost in coil + driptray (E+DTH)

Model	Fin spacing	N	E	DTH	E+DTH
F27	all	standard	✓	✓	✓
F31	4.5, 6	standard	✓	✓	✓
F31	7	standard	n.a.	n.a.	✓
F35	all	standard	n.a.	n.a.	✓

- Coil corrosion protection: Alupaint (AP)
- EC fan motors: single speed for F27, dual speed for F31 and F35 models
- EC fan motor with 0-10 V control input (0-10) - for F35
- EC fan motor with 0-10 V control input + potentiometer (0-10P) - for F35 models
- Fan shroud heater (FSH)
- Driptray insulation (IDT)
- Shut-up sock with adapter ring - for F31 and F35 models
- Insulated suction hood - for F31 and F35 models

## Selection

Selection and pricing is to be performed with our online air heat exchanger selection software Plair. Selection output includes all relevant technical data and dimensional drawings.

## Certifications

The LUVE quality system is in accordance with ISO 9001. All products are manufactured according to PED regulations. LUVE participates in the ECP program for HE.

Check ongoing validity of certificate:  
[www.eurovent-certification.com](http://www.eurovent-certification.com)



Brine refrigerant is not covered by Eurovent certification

Model	No. fans	Dimensions (mm)				
		A	B	C	Z	Y
F27	1	678	412	-	415	330
F27	2	1,048	782	-	415	330
F27	3	1,418	1,152	-	415	330
F27	4	1,788	1,522	-	415	330
F31	1	760	492	-	415	450
F31	2	1,210	942	-	415	450
F31	3	1,660	1,392	-	415	450
F31	4	2,110	1,842	-	415	450
F35	1	865	597	-	487	460
F35	2	1,420	1,152	-	487	460
F35	3	1,975	1,707	-	487	460
F35	4	2,530	2,262	1,131	487	460

## Working pressure

Refrigerant	Max working pressure (bar)
HFC*	24
CO <sub>2</sub>	60**
Brine	10

Fluid group 2 according to EN 378; \*\* 85 bar in special execution

Each heat exchanger is leak tested with dry air and finally supplied with a dry air pre-charge. Fitted with schröder valve on the suction connection for testing purposes (for FHCE, FHCX and FHCW with welded connections).

## Code description

F35HC	*	215	E	4	*	*
1	2	3	4	5	6	7

- 1 Vantage FHC cubic commercial unit coolers (F27=Ø 275, F31=Ø 315, F35=Ø 350 mm)
- 2 Refrigerant system (blank=HFC, W=brine, in case of CO<sub>2</sub> see pos. 6)
- 3 Model type
- 4 Defrost system (N=air defrost, E=electric defrost in coil, DTH=electric defrost in driptray, E+DTH=electric defrost in coil+driptray)
- 5 Fin spacing (4=4.5, 6=6.0, 7=7.0 mm)
- 6 Application (CO<sub>2</sub> DX=direct expansion for CO<sub>2</sub>)
- 7 Circuit code - only for brine units